



Symmetrical



Asymmetrical



Circular

Energy saving floodlight



For metal halide lamps or high pressure sodium for 70W RX7s socket.

In addition to the conventional warm or cold metal halide lamps, these floodlights are suitable to the innovative lamps with ceramic discharge tube. These luminous sources have excellent lighting characteristics as regards to constancy, colours and luminous efficiency during the entire life of the lamp.

Die cast aluminium body coated with polyester powders in black colour, titanium and silver on request. Reflector made of highly pure aluminium sheet, polished and oxidized.

The front glass is non-breaking type, sealed to the cover. All the gaskets are in non degenerative silicon rubber.

Bracket made of galvanized painted steel with index for vertical orientation.

The control gear plate, made out of galvanized steel sheet.

All the electrical components are produced according to the Italian Quality Standards for power 230V - 50Hz.

All ballasts are complete with thermal protector. The projector is manufactured according to En 60598/1 rules.

MACH 2 Symmetrical



Optical system

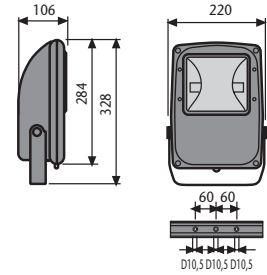
The version with two different reflectors:
Peened reflector for mediumwide beam.
Specular reflector for mediumnarrow beam.

wind exposed surface = 0,056 m²

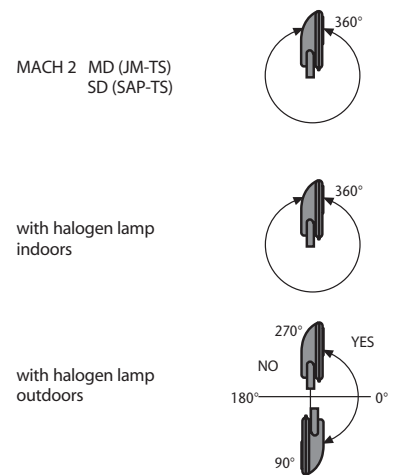
Lamps

	MD (JM-TS) 70W RX7s
	SD (SAP-TS) 70W RX7s
	HD max 200W R7s

Dimensions (mm)



Working position



Available colours



CL I

CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
50923	CRL MAX peened - Black	MD (JM-TS) 70W 3.000 K	4,10	1	140	0,0115
50924	CRL MAX peened - Silver	MD (JM-TS) 70W 3.000 K	4,10	1	140	0,0115
50925	CRL MAX peened - Titanium	MD (JM-TS) 70W 3.000 K	4,10	1	140	0,0115
52506	CRL MAX peened - White	MD (JM-TS) 70W 3.000 K	4,10	1	140	0,0115
50933	CRL MAX specular - Black	MD (JM-TS) 70W 3.000 K	4,10	1	140	0,0115
50934	CRL MAX specular - Silver	MD (JM-TS) 70W 3.000 K	4,10	1	140	0,0115
50935	CRL MAX specular - Titanium	MD (JM-TS) 70W 3.000 K	4,10	1	140	0,0115
52500	CRL MAX peened - Black	MD (JM-TS) 70W 4.200 K	4,10	1	140	0,0115
52501	CRL MAX peened - Silver	MD (JM-TS) 70W 4.200 K	4,10	1	140	0,0115
52502	CRL MAX peened - Titanium	MD (JM-TS) 70W 4.200 K	4,10	1	140	0,0115
52507	CRL MAX peened - White	MD (JM-TS) 70W 4.200 K	4,10	1	140	0,0115
52521	CR Body peened - Black	MD (JM-TS) - SD (SAP-TS) 70W	4,03	1	140	0,0115
52522	CR Body peened - Silver	MD (JM-TS) - SD (SAP-TS) 70W	4,03	1	140	0,0115
52523	CR Body peened - Titanium	MD (JM-TS) - SD (SAP-TS) 70W	4,03	1	140	0,0115
CE 52580	Body peened - Black	Halogen 200W	2,85	1	140	0,0115
CE 52581	Body peened - Silver	Halogen 200W	2,85	1	140	0,0115
CE 52582	Body peened - Titanium	Halogen 200W	2,85	1	140	0,0115
CE 52583	Body peened - White	Halogen 200W	2,85	1	140	0,0115

MACH 2 Asymmetrical



Optical system

The asymmetrical optics improve considerably the projector's performance and in the same way reduce the glare.

The asymmetrical version with two different reflectors:
Peened reflector for mediumwide beam.
Specular reflector for mediumnarrow beam.

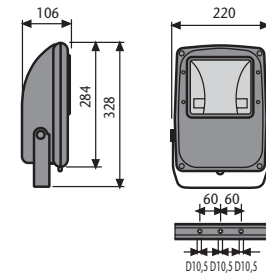
wind exposed surface = 0,056 m²



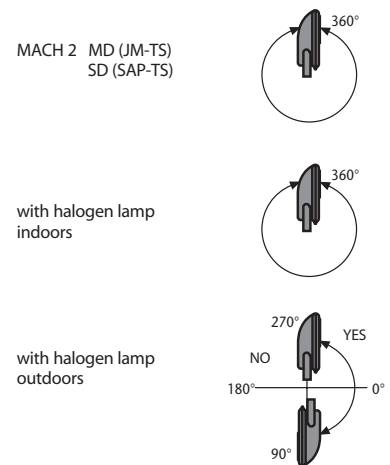
Lamps

	MD (JM-TS) 70W RX7s
	SD (SAP-TS) 70W RX7s
	HD max 200W R7s

Dimensions (mm)



Working position



Available colours



CL I

CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
50953	CRL ZAR peened - Black	MD (JM-TS) 70W 3.000 K	4,10	1	140	0,0115
50954	CRL ZAR peened - Silver	MD (JM-TS) 70W 3.000 K	4,10	1	140	0,0115
50955	CRL ZAR peened - Titanium	MD (JM-TS) 70W 3.000 K	4,10	1	140	0,0115
52508	CRL ZAR peened - White	MD (JM-TS) 70W 3.000 K	4,10	1	140	0,0115
50981	CRL ZAR specular - Black	MD (JM-TS) 70W 3.000 K	4,10	1	140	0,0115
50982	CRL ZAR specular - Silver	MD (JM-TS) 70W 3.000 K	4,10	1	140	0,0115
50983	CRL ZAR specular - Titanium	MD (JM-TS) 70W 3.000 K	4,10	1	140	0,0115
52503	CRL ZAR peened - Black	MD (JM-TS) 70W 4.200 K	4,10	1	140	0,0115
52504	CRL ZAR peened - Silver	MD (JM-TS) 70W 4.200 K	4,10	1	140	0,0115
52505	CRL ZAR peened - Titanium	MD (JM-TS) 70W 4.200 K	4,10	1	140	0,0115
52509	CRL ZAR peened - White	MD (JM-TS) 70W 4.200 K	4,10	1	140	0,0115
52524	CR Body peened - Black	MD (JM-TS) - SD (SAP-TS) 70W	4,03	1	140	0,0115
52525	CR Body peened - Silver	MD (JM-TS) - SD (SAP-TS) 70W	4,03	1	140	0,0115
52526	CR Body peened - Titanium	MD (JM-TS) - SD (SAP-TS) 70W	4,03	1	140	0,0115
52584	Body peened - Black	Halogen 200W	2,85	1	140	0,0115
52585	Body peened - Silver	Halogen 200W	2,85	1	140	0,0115
52586	Body peened - Titanium	Halogen 200W	2,85	1	140	0,0115
52587	Body peened - White	Halogen 200W	2,85	1	140	0,0115

MACH 2 Circular



Optical system

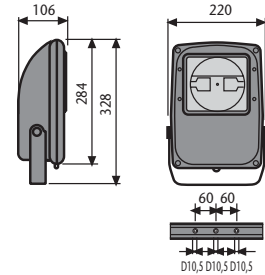
Circular high intensity reflector with baffle to avoid the direct glare.

wind exposed surface = 0,056 m²

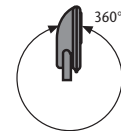


Lamps	
	MD (JM-TS) 70W RX7s
	SD (SAP-TS) 70W RX7s
	MT (JM) G12 70W / 35W

Dimensions (mm)



Working position



Available colours



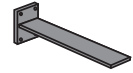
CL I

CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
50973	LEO high intensity refl. - Black - RX7s	MD (JM-TS) 70W 3.000 K	4,10	1	140	0,0115
50974	LEO high intensity refl. - Silver - RX7s	MD (JM-TS) 70W 3.000 K	4,10	1	140	0,0115
50975	LEO high intensity refl. - Titanium - RX7s	MD (JM-TS) 70W 3.000 K	4,10	1	140	0,0115
50976	LEO high intensity refl. - Black - G12	MT (JM) 70W 3.000 K	4,10	1	140	0,0115
50977	LEO high intensity refl. - Silver - G12	MT (JM) 70W 3.000 K	4,10	1	140	0,0115
50978	LEO high intensity refl. - Titanium - G12	MT (JM) 70W 3.000 K	4,10	1	140	0,0115
50970	LEO high intensity refl. - White - G12	MT (JM) 70W 3.000 K	4,10	1	140	0,0115
50985	LEO high intensity refl. - Black - G12	MT (JM) 35W	3,90	1	140	0,0115

MACH 2

ACCESSORIES AND SPARE PARTS

CODE	DESCRIPTION	GROSS WEIGHT (kg)	PACKING (pcs.)	COLOUR	CBMS
WALL SUPPORTS					
60260	Complete of floodlight fixing bracket			Black	-
60261	Complete of floodlight fixing bracket			Silver	-
60262	Complete of floodlight fixing bracket			Titanium	-
60263	Complete of floodlight fixing bracket			White	-
POLE SUPPORTS					
60280	For 1 floodlight Ø pole 60 mm.			Silver	-
60281	For 2 floodlight Ø pole 60 mm.			Silver	-
60282	For 3 floodlight Ø pole 60 mm.			Silver	-
60101	Bracket 600 mm.	2,70	1	Silver	-
60099	Bracket 600 mm.	2,70	1	Black	-
60108	Bracket 1.000 mm.	3,93	1	Black	-
60250	Grille	0,130	1	Black	-
60251	Louvre	0,250	1	Black	0,0010
60252	Circular louvre	0,380	1	-	0,0009
08107	Glass	0,250	-	-	-
04407	Lamp SD (SAP-TS) 70W	-	-	-	-



60099 - 60101 - 60108
Bracket
Ideal for lighting shop-windows.
Zinc plated and steel coated in
black colour.



60250
Steel protection grille.
Zinc plated and steel coated in
black colour.



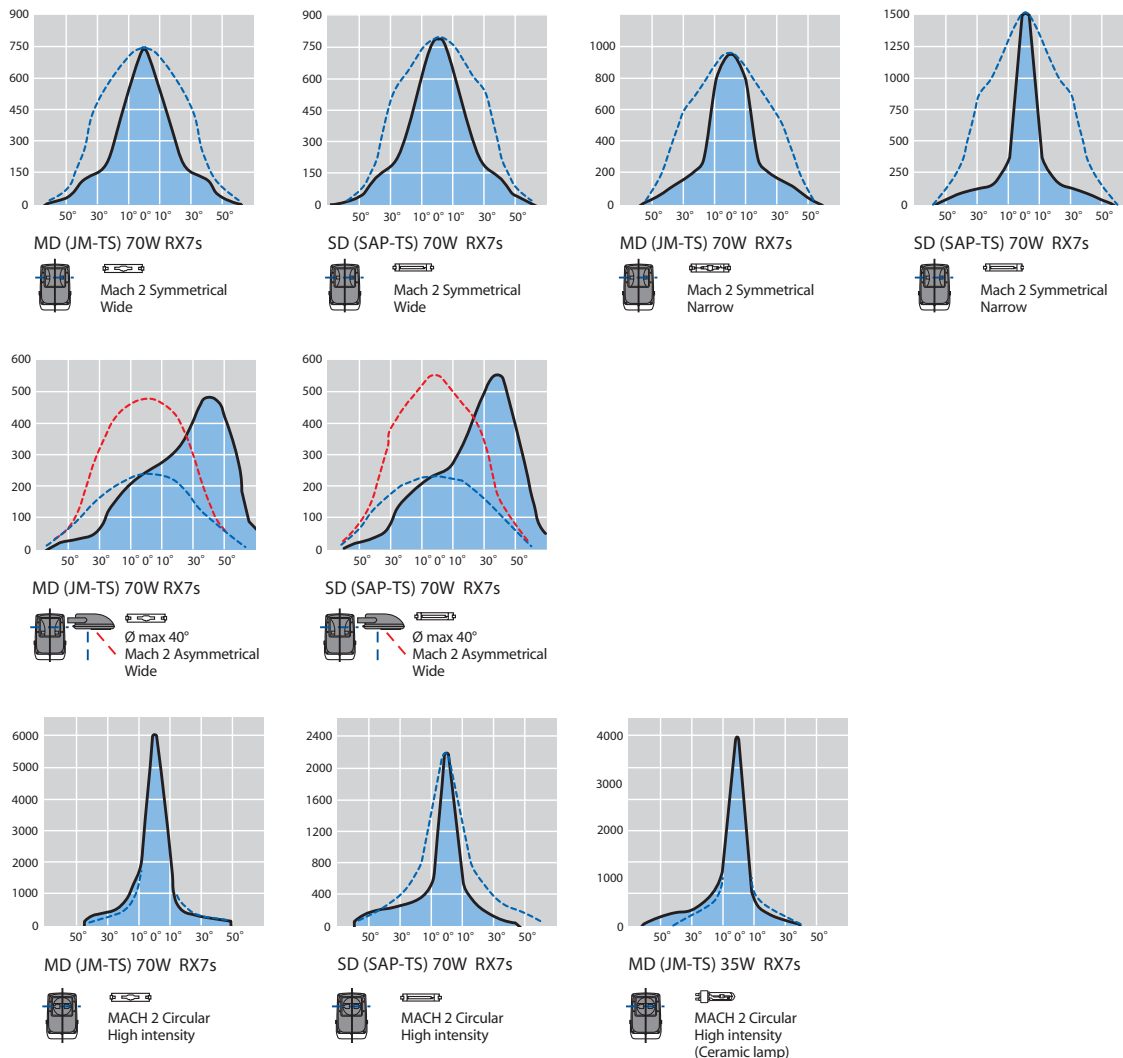
60251
Steel protection louvre.
Zinc plated and steel coated in
black colour.



60252
Circular steel louvre.
Zinc plated and steel coated in
black colour.



Photometric data



Energy saving floodlight



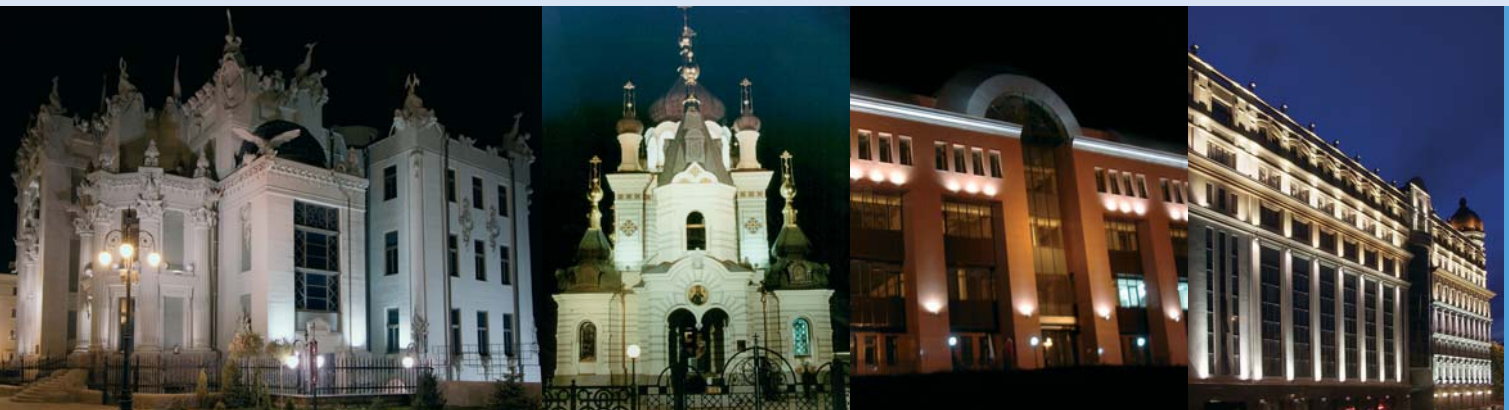
Symmetrical



Asymmetrical



Circular



For metal halide lamps or high pressure sodium for 150W RX7s socket.

In addition to the conventional warm or cold metal halide lamps, these floodlights are suitable to the innovative lamps with ceramic discharge tube. These luminous sources have excellent lighting characteristics as regards to constancy, colours and luminous efficiency during the entire life of the lamp.

Die cast aluminium body coated with polyester powders in black colour, titanium and silver on request. Reflector made of highly pure aluminium sheet, polished and oxidized.

The front glass is non-breaking type, sealed to the cover. All the gaskets are in non degenerative silicon rubber.

Bracket made of galvanized painted steel with index for vertical orientation.

The control gear plate, made out of galvanized steel sheet.

All the electrical components are produced according to the Italian Quality Standards for power 230V - 50Hz. All ballasts are complete with thermal protector.

The projector is manufactured according to EN 60598/1 rules.

MACH 3 Symmetrical



Optical system

The version with two different reflectors:

Peened reflector for medium

- wide beam.

Specular reflector for medium

- narrow beam.

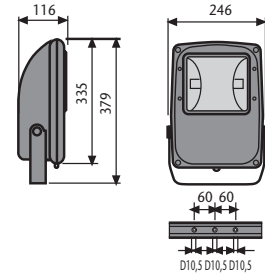
wind exposed surface = 0,075 m²



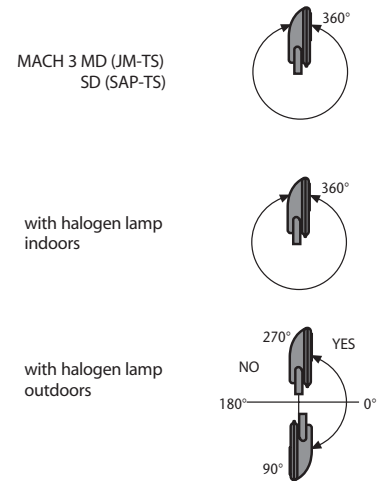
Lamps

	MD (JM-TS) 70-150W RX7s
	SD (SAP-TS) 70-150W RX7s
	HD max 300W R7s

Dimensions (mm)



Working position



Available colours



CL I

CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
50903	NIK peened - Black	MD (JM-TS) 150W 3.000 K	5,60	1	104	0,0158
50904	NIK peened - Silver	MD (JM-TS) 150W 3.000 K	5,60	1	104	0,0158
50905	NIK peened - Titanium	MD (JM-TS) 150W 3.000 K	5,60	1	104	0,0158
52606	NIK peened - White	MD (JM-TS) 150W 3.000 K	5,60	1	104	0,0158
50906	NIK specular - Black	MD (JM-TS) 150W 3.000 K	5,60	1	104	0,0158
50907	NIK specular - Silver	MD (JM-TS) 150W 3.000 K	5,60	1	104	0,0158
50908	NIK specular - Titanium	MD (JM-TS) 150W 3.000 K	5,60	1	104	0,0158
52600	NIK peened - Black	MD (JM-TS) 150W 4.200 K	5,60	1	104	0,0158
52601	NIK peened - Silver	MD (JM-TS) 150W 4.200 K	5,60	1	104	0,0158
52602	NIK peened - Titanium	MD (JM-TS) 150W 4.200 K	5,60	1	104	0,0158
52607	NIK peened - White	MD (JM-TS) 150W 4.200 K	5,60	1	104	0,0158
52623	Body peened - Black	MD (JM-TS) - SD (SAP-TS) 150W	5,60	1	104	0,0158
52624	Body peened - Silver	MD (JM-TS) - SD (SAP-TS) 150W	5,60	1	104	0,0158
52625	Body peened - Titanium	MD (JM-TS) - SD (SAP-TS) 150W	5,60	1	104	0,0158
CE 52680	Body peened - Black	Halogen 300W	3,53	1	104	0,0158
CE 52681	Body peened - Silver	Halogen 300W	3,53	1	104	0,0158
CE 52682	Body peened - Titanium	Halogen 300W	3,53	1	104	0,0158
CE 52683	Body peened - White	Halogen 300W	3,53	1	104	0,0158

CL II

CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
52800	Body peened - Black	MD (JM-TS) - SD (SAP-TS) 70W	5,30	1		0,0158

MACH 3 Asymmetrical



Optical system

The asymmetrical optics improve considerably the projector's performance and in the same way reduce the glare. The asymmetrical version with two different reflectors:

Peened reflector for mediumwide beam.

Specular reflector for mediumnarrow beam.

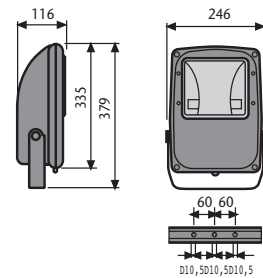
wind exposed surface = 0,075 m²



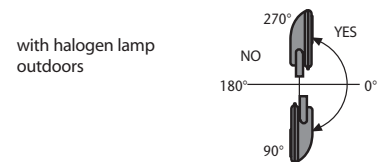
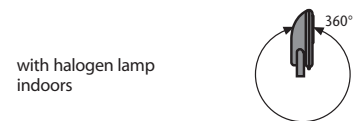
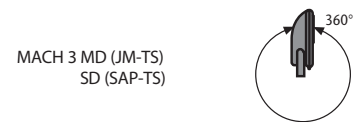
Lamps

	MD (JM-TS) 70-150W RX7s
	SD (SAP-TS) 70-150W RX7s
	HD max 300W R7s

Dimensions (mm)



Working position



Available colours



CL I

CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
50943	LEM peened - Black	MD (JM-TS) 150W 3.000 K	5,60	1	104	0,0158
50944	LEM peened - Silver	MD (JM-TS) 150W 3.000 K	5,60	1	104	0,0158
50945	LEM peened - Titanium	MD (JM-TS) 150W 3.000 K	5,60	1	104	0,0158
52608	LEM peened - White	MD (JM-TS) 150W 3.000 K	5,60	1	104	0,0158
50946	LEM specular - Black	MD (JM-TS) 150W 3.000 K	5,60	1	104	0,0158
50947	LEM specular - Silver	MD (JM-TS) 150W 3.000 K	5,60	1	104	0,0158
50948	LEM specular - Titanium	MD (JM-TS) 150W 3.000 K	5,60	1	104	0,0158
52603	LEM peened - Black	MD (JM-TS) 150W 4.200 K	5,60	1	104	0,0158
52604	LEM peened - Silver	MD (JM-TS) 150W 4.200 K	5,60	1	104	0,0158
52605	LEM peened - Titanium	MD (JM-TS) 150W 4.200 K	5,60	1	104	0,0158
52609	LEM peened - White	MD (JM-TS) 150W 4.200 K	5,60	1	104	0,0158
52620	Body peened - Black	MD (JM-TS) - SD (SAP-TS) 150W	5,60	1	104	0,0158
52621	Body peened - Silver	MD (JM-TS) - SD (SAP-TS) 150W	5,60	1	104	0,0158
52622	Body peened - Titanium	MD (JM-TS) - SD (SAP-TS) 150W	5,60	1	104	0,0158
€ 52684	Body peened - Black	Halogen 300W	3,53	1	104	0,0158
€ 52685	Body peened - Silver	Halogen 300W	3,53	1	104	0,0158
€ 52686	Body peened - Titanium	Halogen 300W	3,53	1	104	0,0158
€ 52687	Body peened - White	Halogen 300W	3,53	1	104	0,0158

CL II

CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
52802	Body peened - Black	MD (JM-TS) - SD (SAP-TS) 70W	5,30	1		0,0158

MACH 3 Circular



Optical system

Circular high intensity reflector with baffle to avoid the direct glare.

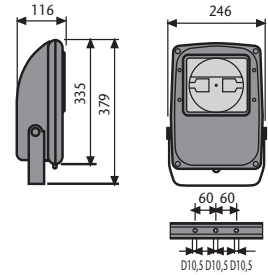
wind exposed surface = 0,075 m²



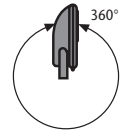
Lamps

	MD (JM-TS) 70-150W RX7s
	SD (SAP-TS) 70-150W RX7s
	MT (JM) 70-150W - G12

Dimensions (mm)



Working position



Available colours



CL I

CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
50963	BOB high intensity reflector - Black - RX7s	MD (JM-TS) 150W 3.000 K	5,60	1	104	0,0158
50964	BOB high intensity reflector - Silver - RX7s	MD (JM-TS) 150W 3.000 K	5,60	1	104	0,0158
50965	BOB high intensity reflector - Titanium - RX7s	MD (JM-TS) 150W 3.000 K	5,60	1	104	0,0158
50966	BOB high intensity reflector - Black - G12	MT (JM) 150W 3.000 K	5,60	1	104	0,0158
50967	BOB high intensity reflector - Silver - G12	MT (JM) 150W 3.000 K	5,60	1	104	0,0158
50968	BOB high intensity reflector - Titanium - G12	MT (JM) 150W 3.000 K	5,60	1	104	0,0158
50969	BOB high intensity reflector - White - G12	MT (JM) 150W 3.000 K	5,60	1	104	0,0158

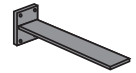
CL II

CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
52804	Body high intensity reflector - Black - RX7s	MD (JM-TS) - SD (SAP-TS) 70W	5,30	1		0,0158
52805	Body high intensity reflector - Black - G12	MT (JM) 70W	5,30	1		0,0158

MACH 3

ACCESSORIES AND SPARE PARTS

CODE	DESCRIPTION	GROSS WEIGHT (kg)	PACKING (pcs.)	COLOUR	CBMS
WALL SUPPORTS					
60270	Complete of floodlight fixing bracket			Black	-
60271	Complete of floodlight fixing bracket			Silver	-
60272	Complete of floodlight fixing bracket			Titanium	-
60273	Complete of floodlight fixing bracket			White	-
POLE SUPPORTS					
60280	For 1 floodlight Ø pole 60 mm.			Silver	-
60281	For 2 floodlight Ø pole 60 mm.			Silver	-
60282	For 3 floodlight Ø pole 60 mm.			Silver	-
60101	Bracket 600 mm.	2,70	1	Silver	-
60099	Bracket 600 mm.	2,70	1	Black	-
60108	Bracket 1.000 mm.	3,93	1	Black	-
60255	Grille	0,160	1	Black	-
60256	Louvre	0,280	1	Black	0,0013
60257	Circular louvre	0,380	1	-	0,0009
08129	Glass	0,340			
05663	Lamp SD (SAP-TS) 150W	-	-	-	-



60099 - 60101 - 60108
Bracket
Ideal for lighting shop-windows.
Zinc plated and steel coated in
black colour.



60255
Steel protection grille.
Zinc plated and steel coated in
black colour.



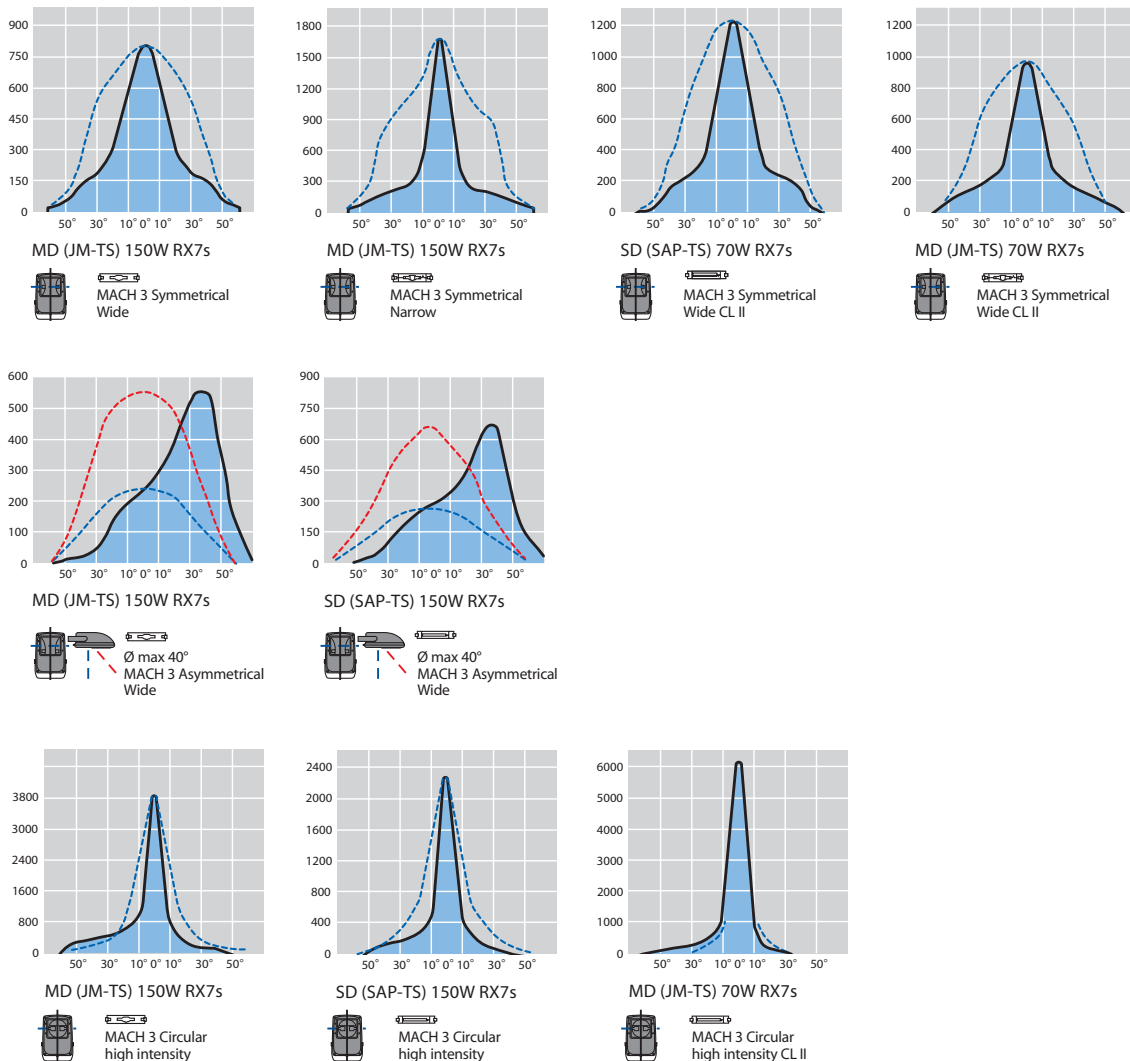
60256
Steel protection louvre.
Zinc plated and steel coated in
black colour.



60257
Circular steel louvre.
Zinc plated and steel coated in
black colour.



Photometric data



MACH 3 Flash RGB

F CE IP 66

Body in die-cast aluminium
Adjustable positioning
Graduated position indicator
IP 66 protection rating
Meets standard CE.

Luminous source

36 led luxeon
Power: 1W each
Declared lamp life: 100.000 hours.

Cooling

Natural convective cooling.

Step zoom

Manual adjustment of beam angle for spot, medium and flood position.
Several devices offer different zoom angles.

Adjustable beam device

The unit is designed to utilise a range of lenses and front filters to adjust the projection angles.
Special filters, alongside the standard range, are available on request.

Remote control

The following functions are remotely controllable:
switching on and off
electronic dimming for each colours (red, green, blue),
complete adjustment of light output from 0 to 100%.
electronic strobe variable from 0 to 100 Hz.
three internal colour changing crossfade programs
with user definable variable rate.
possibility of memorizing up to 4 scenes

Led mains supply

Constant current power supply

Mounting and fixing

In any position

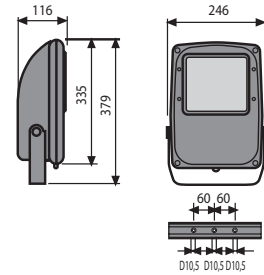
Mains supply

90-250 V 50-60 Hz autosensing
0,5 A - 230V
1,2 A - 115V

Available versions

Mach 3 Flash RGB silver colour

Dimensions (mm)



CLI

CODE	DESCRIPTION	GROSS WEIGHT (kg)	PACKING (pcs.)	CBMS
50915	FLASH RGB lux beam 2x70° Silver colour	4,90	1	0,0356
50918	Remote control FLASH RGB	0,20	1	0,003
50920	Visual field with lens 2x12°	0,45	1	0,003
50927	Visual field with lens 2x30°	0,45	1	0,003

MACH 3 Flash White

F CE IP 66

Body in die-cast aluminium
Adjustable positioning
Graduated position indicator
IP 66 protection rating
Meets standard CE.

Luminous source

36 led white light
Power: 1W each
Declared lamp life: 100.000 hours.

Cooling

Natural convective cooling.

Step zoom

Manual adjustment of beam angle for spot, medium and flood position.
Several devices offer different zoom angles.

Adjustable beam device

The unit is designed to utilise a range of lenses and

front filters to adjust the projection angles. Special filters, alongside the standard range, are available on request.

Flux Adjustable

Lighting flux adjustable with built-in manual power variator.

Led mains supply

Constant current power supply.

Mounting and fixing

In any position

Mains supply

90-250 V 50-60 Hz autosensing

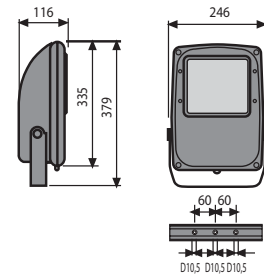
0,5 A - 230V

1,2 A - 115V

Available versions

Mach 3 Flash White silver colour

Dimensions (mm)



CLI

CODE	DESCRIPTION	GROSS WEIGHT (kg)	PACKING (pcs.)	CBMS
50910	WHITE lux beam 2x70° Silver colour	4,80	1	0,0356
50920	Visual field with lens 2x12°	0,45	1	0,003
50927	Visual field with lens 2x30°	0,45	1	0,003

MACH 5





Symmetrical

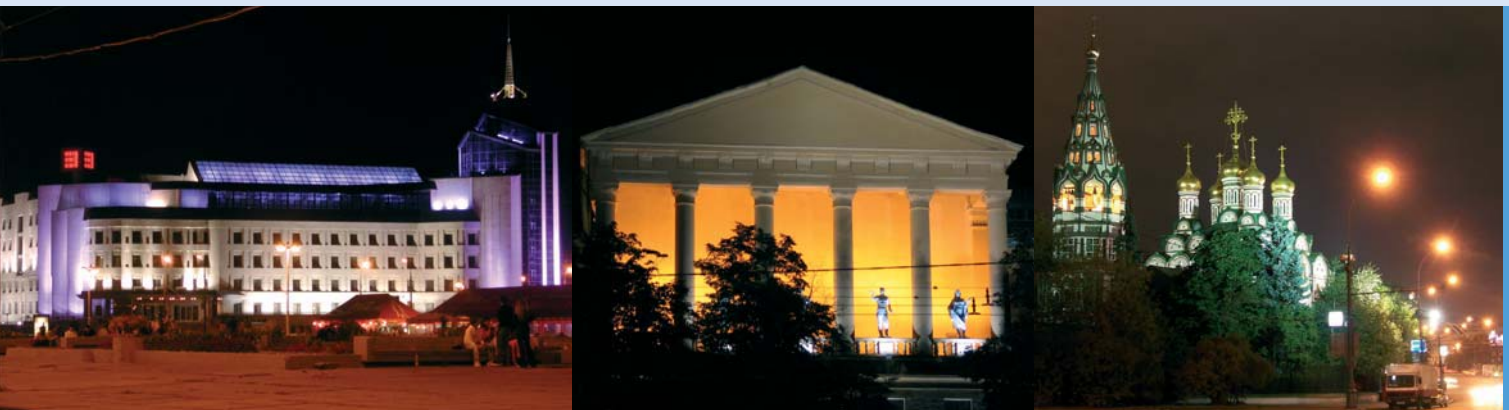


Asymmetrical



Circular

Style and High-Tech



The design of this elegant projector expresses the manufacturing philosophy of the whole MACH series:

Design, technique, photometric performances and usage flexibility.

The aesthetic values make it possible to use it in wide exposition areas, in elegant halls, for the lighting of important façades, in quality sport centres. In its street version, it represents new and charming street furniture.

Thanks to its wide range of reflectors and accessories, the MACH5 projector is an excellent tool for town lighting.

The double-valve technical design allows for high tightness while a double closing system with either stainless steel clip or screw offers a further possibility of attractive or functional choice, while a wide range of optics with symmetrical, asymmetrical and circular lighting distribution exalts the wide usage possibilities.

In asymmetrical optics a special high-reflecting aluminium is used offering an extraordinary efficiency.

CONSTRUCTION CHARACTERISTICS

Body and glass-holding cover in die cast aluminium varnished with polyester powders in silver colour, after phosphodegreasing, phosphochromatising and the application of a protection coating aimed at ensuring excellent resistance to corrosion. Cover hinged in the body bottom and held with stainless steel small rings.

Lamp-holder in porcelain 16A with anti-unscrewing device. Installation by means of a strong steel fork, galvanised and varnished with polyester powders in metallised grey colour.

Double goniometric scale for vertical mounting. Gaskets in anti-aging silicon rubber.

Tempered glass suitable for high temperature, thermal shocks and crashes (6 Joule), mechanically fixed to the glass-holding ring.

The power supply cable accesses the device through a PG 13.5 cable gland (anti-tear IP 68) Pressure compensation filter in teflon.

All electrical components are certified with ENEC mark (230V, 50 Hz). The projector has been manufactured according to EN 60598/1 standards.

MACH 5 Symmetrical CLI



Symmetrical projector suitable for use with E40 high pressure sodium vapours and metal halide lamps (150W – 400W) and FC2 high pressure sodium vapours and metal halide (250W– 400 W) for installation in outdoor and indoor environments and on inflammable surfaces.

Opening and access to optics and control gear with a single operation, with hexagon stainless steel screws. Extractable electrical tool holding plate in galvanised steel. The device can be directly installed on a 60 mm

diameter pole, with die casting accessory suitable for single and double mounting and wall mounting for single projector.

Optical system

The version with three different reflectors:

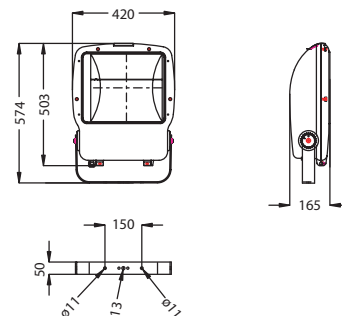
- Wide beam
- Medium-wide beam
- Narrow beam



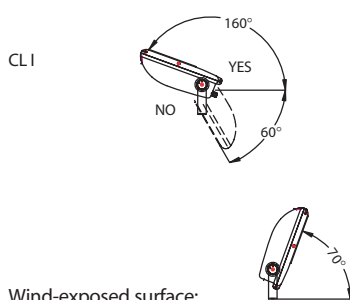
Lamps

	ST (SAP-T) E40 150-250-400W
	MT (JM-T) E40 150-250-400W
	MD (JM) FC2 250-400W
	SD (SAP) FC2 250-400W

Dimensions (mm)



Working position



Wind-exposed surface:
m² 0,17 with vertical
addressing 70°.

Available colours



SILVER

CLI

CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
30507*	Silver body wide beam E 40	150W	9,45	1	40	0,0494
30517*	Silver body medium-wide beam E 40	150W	9,45	1	40	0,0494
30527*	Silver body narrow beam E 40	150W	9,45	1	40	0,0494
30508*	Silver body wide beam E 40	250W	9,45	1	40	0,0494
30518*	Silver body medium-wide beam E 40	250W	9,45	1	40	0,0494
30528*	Silver body narrow beam E 40	250W	9,45	1	40	0,0494
30509*	Silver body wide beam E 40	400W	9,45	1	40	0,0494
30519*	Silver body medium-wide beam E 40	400W	9,45	1	40	0,0494
30529*	Silver body narrow beam E 40	400W	9,45	1	40	0,0494
30501	Silver body wide beam E 40	M-S (JM-SAP) 150W	12,05	1	40	0,0494
30502**	Silver body wide beam E 40	M-S (JM-SAP) 250W	13,35	1	40	0,0494
30503**	Silver body wide beam E 40	M-S (JM-SAP) 400W	14,55	1	40	0,0494
30504	COSMO silver wide beam	MT (JM) 250W Philips type	12,20	1	40	0,0494
30505	COSMO silver wide beam	MT (JM) 400W Philips type	13,25	1	40	0,0494
30511	Silver body medium-wide beam E 40	M-S (JM-SAP) 150W	12,05	1	40	0,0494
30512**	Silver body medium-wide beam E 40	M-S (JM-SAP) 250W	13,35	1	40	0,0494
30513**	Silver body medium-wide beam E 40	M-S (JM-SAP) 400W	14,55	1	40	0,0494
30514	Silver body medium-wide beam E 40	M (JM) 250W Philips type	12,20	1	40	0,0494
30515	Silver body medium-wide beam E 40	M (JM) 400W Philips type	13,25	1	40	0,0494
30521	Silver body narrow beam E 40	M-S (JM-SAP) 150W	12,05	1	40	0,0494
30522**	Silver body narrow beam E 40	M-S (JM-SAP) 250W	13,35	1	40	0,0494
30523**	Silver body narrow beam E 40	M-S (JM-SAP) 400W	14,55	1	40	0,0494
30524	Silver body narrow beam E 40	M (JM) 250W Philips type	12,20	1	40	0,0494
30525	Silver body narrow beam E 40	M (JM) 400W Philips type	13,25	1	40	0,0494
30531	Silver body wide beam	MD (JM-FC2) 250W	13,35	1	40	0,0494
30532	Silver body wide beam	SD (SAP-FC2) 250W	13,35	1	40	0,0494
30533	Silver body wide beam	MD (JM-FC2) 400W	14,55	1	40	0,0494
30534	Silver body wide beam	SD (SAP-FC2) 400W	14,55	1	40	0,0494

* For extra European countries only.

** Suitable for MH lamps Osram type, see lamps technical specifications.

MACH 5 Symmetrical CL II



Symmetrical projector suitable for use with E40 high pressure sodium vapours and metal halide lamps (150W – 400W) and FC2 high pressure sodium vapours and metal halide (250W – 400 W) for installation in outdoor and indoor environments and on inflammable surfaces.

Opening and access to optics and control gear with a single operation, by using the high mechanical resistance stainless steel front spring.

Insulating class II with disconnecting switch for supply line break when the cover is open.

Wiring board with electrical unit with improved power factor ($\cos \phi > 0,90$) in special self-extinguishing thermoplastic material V0.

The board can be easily removed to make maintenance operations easier. It can be cutaway from the supply line through non-reversible connectors with quick coupling.

The device can be directly installed on a 60 mm diameter pole, with die casting accessory suitable for single and double mounting and wall mounting for single projector.

Optical system

The version with three different reflectors:

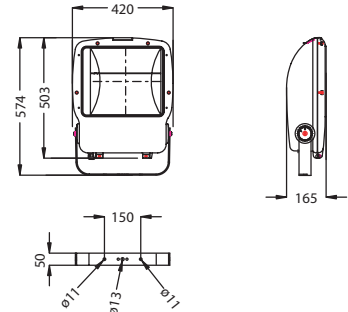
- Wide beam
- Medium-wide beam
- Narrow beam



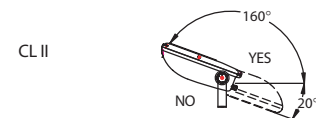
Lamps

	ST (SAP-T) E40 150-250-400W
	MT (JM-T) E40 150-250-400W
	MD (JM) FC2 250-400W
	SD (SAP) FC2 250-400W

Dimensions (mm)



Working position



Wind-exposed surface:
m² 0,17 with vertical addressing 70°.

Available colours



SILVER

CL II

CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
30701	Silver body wide beam E 40	M-S (JM-SAP) 150W	12,05	1	40	0,0494
30702**	Silver body wide beam E 40	M-S (JM-SAP) 250W	13,35	1	40	0,0494
30703**	Silver body wide beam E 40	M-S (JM-SAP) 400W	14,55	1	40	0,0494
30704	Silver body wide beam E 40	MT (JM) 250W Philips type	12,20	1	40	0,0494
30705	Silver body wide beam E 40	MT (JM) 400W Philips type	13,25	1	40	0,0494
30711	Silver body medium-wide beam E 40	M-S (JM-SAP) 150W	12,05	1	40	0,0494
30712**	Silver body medium-wide beam E 40	M-S (JM-SAP) 250W	13,35	1	40	0,0494
30713**	Silver body medium-wide beam E 40	M-S (JM-SAP) 400W	14,55	1	40	0,0494
30714	Silver body medium-wide beam E 40	M (JM) 250W Philips type	12,20	1	40	0,0494
30715	Silver body medium-wide beam E 40	M (JM) 400W Philips type	13,25	1	40	0,0494
30721	Silver body narrow beam E 40	M-S (JM-SAP) 150W	12,05	1	40	0,0494
30722**	Silver body narrow beam E 40	M-S (JM-SAP) 250W	13,35	1	40	0,0494
30723**	Silver body narrow beam E 40	M-S (JM-SAP) 400W	14,55	1	40	0,0494
30724	Silver body narrow beam E 40	M (JM) 250W Philips type	12,20	1	40	0,0494
30725	Silver body narrow beam E 40	M (JM) 400W Philips type	13,25	1	40	0,0494
30731	Silver body wide beam	MD (JM-FC2) 250W	13,35	1	40	0,0494
30732	Silver body wide beam	SD (SAP-FC2) 250W	13,35	1	40	0,0494
30733	Silver body wide beam	MD (JM-FC2) 400W	14,55	1	40	0,0494
30734	Silver body wide beam	SD (SAP-FC2) 400W	14,55	1	40	0,0494

** Suitable for MH lamps Osram type, see lamps technical specifications.

MACH 5 Asymmetrical CL I



Asymmetrical projector suitable for use with E40 high pressure sodium vapours and metal halide lamps (150W – 400W) and FC2 high pressure sodium vapours and metal halide (250W – 400 W) for installation in outdoor and indoor environments and on inflammable surfaces.

Opening and access to optics and control gear with a single operation, with hexagon stainless steel screws. Extractable electrical tool holding plate in galvanised steel.

The device can be directly installed on a 60 mm diameter pole, with die casting accessory suitable for single and double mounting and wall mounting for single projector.

Optical system

The optics meets the requirements of the Italian standard UNI 10819 and of Italian local standards in use as far as upwards luminous flux dispersion restriction is concerned. The projector is supplied with two different optics systems:

Asymmetrical peened optics reflector for medium wide beam

Asymmetrical specular optics reflector in highly pure aluminium (99.99%) for high reflectance and performance.

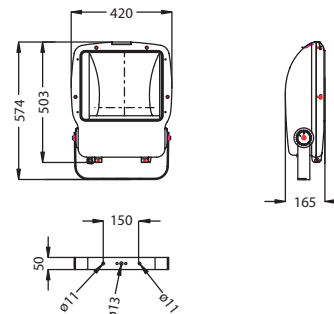
Tilt : 15% ULOR_{inst} < 0,3 %

Use the special shield to obtain ULOR_{inst} = 0

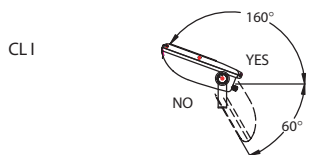
Lamps

	ST (SAP-T) E40 150-250-400W
	MT (JM-T) E40 150-250-400W
	MD (JM) FC2 250-400W
	SD (SAP) FC2 250-400W

Dimensions (mm)



Working position



Wind-exposed surface:
m² 0,13 with vertical
addressing 30°.



Available colours



SILVER



CL I

CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
30607*	Silver body wide beam E 40	150W	9,45	1	40	0,0494
30627*	Silver body narrow beam E 40	150W	9,45	1	40	0,0494
30608*	Silver body wide beam E 40	250W	9,45	1	40	0,0494
30628*	Silver body narrow beam E 40	250W	9,45	1	40	0,0494
30609*	Silver body wide beam E 40	400W	9,45	1	40	0,0494
30629*	Silver body narrow beam E 40	400W	9,45	1	40	0,0494
30601	Silver body wide beam E 40	M-S (JM-SAP) 150W	12,05	1	40	0,0494
30602**	Silver body wide beam E 40	M-S (JM-SAP) 250W	13,35	1	40	0,0494
30603**	Silver body wide beam E 40	M-S (JM-SAP) 400W	14,55	1	40	0,0494
30604	ASTRO silver wide beam	MT (JM) 250W Philips type	12,20	1	40	0,0494
30605	ASTRO silver wide beam	MT (JM) 400W Philips type	13,25	1	40	0,0494
30621	Silver body narrow beam E 40	M-S (JM-SAP) 150W	12,05	1	40	0,0494
30622**	Silver body narrow beam E 40	M-S (JM-SAP) 250W	13,35	1	40	0,0494
30623**	Silver body narrow beam E 40	M-S (JM-SAP) 400W	14,55	1	40	0,0494
30624	Silver body narrow beam E 40	M (JM) 250W Philips type	12,20	1	40	0,0494
30625	Silver body narrow beam E 40	M (JM) 400W Philips type	13,25	1	40	0,0494
30631	Silver body wide beam	MD (JM-FC2) 250W	13,35	1	40	0,0494
30632	Silver body wide beam	SD (SAP-FC2) 250W	13,35	1	40	0,0494
30633	Silver body wide beam	MD (JM-FC2) 400W	14,55	1	40	0,0494
30634	Silver body wide beam	SD (SAP-FC2) 400W	14,55	1	40	0,0494

* For extra European countries only.

** Suitable for MH lamps Osram type, see lamps technical specifications.

MACH 5 Asymmetrical CL II



Asymmetrical projector suitable for use with E40 high pressure sodium vapours and metal halide lamps (150W – 400W) and FC2 high pressure sodium vapours and metal halide (250W – 400 W) for installation in outdoor and indoor environments and on inflammable surfaces.

Opening and access to optics and control gear with a single operation, by using the high mechanical resistance stainless steel front spring.

Insulating class II with disconnecting switch for supply line break when the cover is open.

Wiring board with electrical unit with improved power factor ($\cos \varphi > 0.90$) in special self-extinguishing thermoplastic material V0.

The board can be easily removed to make maintenance operations easier. It can be cutaway from the supply line through non-reversible connectors with quick coupling.

The device can be directly installed on a 60 mm

diameter pole, with die casting accessory suitable for single and double mounting and wall mounting for single projector.

Optical system

The optics meets the requirements of the Italian standard UNI 10819 and of Italian local standards in use as far as upwards luminous flux dispersion restriction is concerned.

The projector is supplied with two different optics systems:

Asymmetrical peened optics reflector for medium wide beam

Asymmetrical specular optics reflector in highly pure aluminium (99.99%) for high reflectance and performance.

Tilt : 15% ULOR $_{inst} < 0,3 \%$

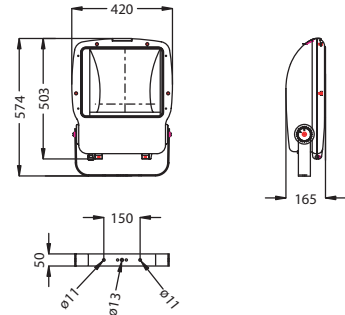
Use the special shield to obtain ULOR $_{inst} = 0$



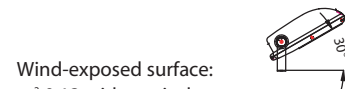
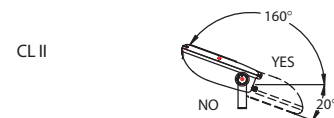
Lamps

	ST (SAP-T) E40 150-250-400W
	MT (JM-T) E40 150-250-400W
	MD (JM) FC2 250-400W
	SD (SAP) FC2 250-400W

Dimensions (mm)



Working position



Wind-exposed surface:
m² 0,13 with vertical
addressing 30°.

Available colours



SILVER

CL II

CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
30801	Silver body wide beam E 40	M-S (JM-SAP) 150W	12,05	1	40	0,0494
30802**	Silver body wide beam E 40	M-S (JM-SAP) 250W	13,35	1	40	0,0494
30803**	Silver body wide beam E 40	M-S (JM-SAP) 400W	14,55	1	40	0,0494
30804	Silver body wide beam E 40	MT (JM) 250 W Philips type	12,20	1	40	0,0494
30805	Silver body wide beam E 40	MT (JM) 400 W Philips type	13,25	1	40	0,0494
30821	Silver body narrow beam E 40	M-S (JM-SAP) 150W	12,05	1	40	0,0494
30822**	Silver body narrow beam E 40	M-S (JM-SAP) 250W	13,35	1	40	0,0494
30823**	Silver body narrow beam E 40	M-S (JM-SAP) 400W	14,55	1	40	0,0494
30824	Silver body narrow beam E 40	M (JM) 250W Philips type	12,20	1	40	0,0494
30825	Silver body narrow beam E 40	M (JM) 400W Philips type	13,25	1	40	0,0494
30831	Silver body wide beam	MD (JM-FC2) 250W	13,35	1	40	0,0494
30832	Silver body wide beam	SD (SAP-FC2) 250W	13,35	1	40	0,0494
30833	Silver body wide beam	MD (JM-FC2) 400W	14,55	1	40	0,0494
30834	Silver body wide beam	SD (SAP-FC2) 400W	14,55	1	40	0,0494

** Suitable for MH lamps Osram type, see lamps technical specifications.

MACH 5 Circular CL I



Circular projector suitable for use with E40 high pressure sodium vapours and metal halide lamps (150W – 400W) and FC2 high pressure sodium vapours and metal halide (250W – 400W) for installation in outdoor and indoor environments and on usually inflammable surfaces.

Opening and access to optics and control gear with a single operation, with hexagon stainless steel screws. Extractable electrical tool holding plate in galvanised

steel. The device can be directly installed on a 60 mm diameter pole, with die casting accessory suitable for single and double mounting and wall mounting for single projector.

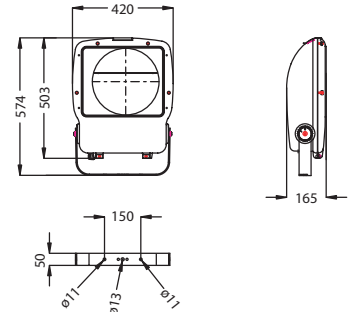
Optical system

Circular high intensity reflector with baffle to avoid the direct glare.

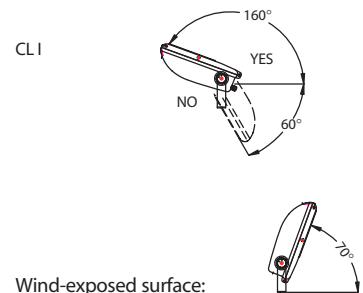
Lamps

	ST (SAP-T) E40 150-250-400W
	MT (JM-T) E40 150-250-400W
	MD (JM) FC2 250-400W
	SD (SAP) FC2 250-400W

Dimensions (mm)



Working position



Wind-exposed surface: m² 0,17 with vertical addressing 70°.

Available colours



SILVER



CL I

CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
30681*	Silver body high intensity reflector E 40	150W	9,45	1	40	0,0494
30682*	Silver body high intensity reflector E 40	250W	9,45	1	40	0,0494
30683*	Silver body high intensity reflector E 40	400W	9,45	1	40	0,0494
30661	Silver body high intensity reflector E 40	M-S (JM-SAP) 150W	12,05	1	40	0,0494
30662**	Silver body high intensity reflector E 40	M-S (JM-SAP) 250W	13,35	1	40	0,0494
30663**	Silver body high intensity reflector E 40	M-S (JM-SAP) 400W	14,55	1	40	0,0494
30664	Silver body high intensity reflector E 40	MT (JM) 250W Philips type	12,20	1	40	0,0494
30665	Silver body high intensity reflector E 40	MT (JM) 400W Philips type	13,25	1	40	0,0494
30671	Silver body high intensity reflector	MD (JM-FC2) 250W	13,35	1	40	0,0494
30672	Silver body high intensity reflector	SD (SAP-FC2) 250W	13,35	1	40	0,0494
30673	Silver body high intensity reflector	MD (JM-FC2) 400W	14,55	1	40	0,0494
30674	Silver body high intensity reflector	SD (SAP-FC2) 400W	14,55	1	40	0,0494

* For extra European countries only.

** Suitable for MH lamps Osram type, see lamps technical specifications.

MACH 5 Circular CL II



Circular projector suitable for use with E40 high pressure sodium vapours and metal halide lamps (150W – 400W) and FC2 high pressure sodium vapours and metal halide (250W – 400W) for installation in outdoor and indoor environments and on inflammable surfaces.

Opening and access to optics and control gear with a single operation, by using the high mechanical resistance stainless steel front spring.

Insulating class II with disconnecting switch for supply line break when the cover is open.

Wiring board with electrical unit with improved power factor ($\cos \phi > 0.90$) in special self-extinguishing thermoplastic material V0.

The board can be easily removed to make maintenance operations easier. It can be cutaway from the supply line through non-reversible connectors with quick coupling.

The device can be directly installed on a 60 mm diameter pole, with die casting accessory suitable for single and double mounting and wall mounting for single projector.

Optical system

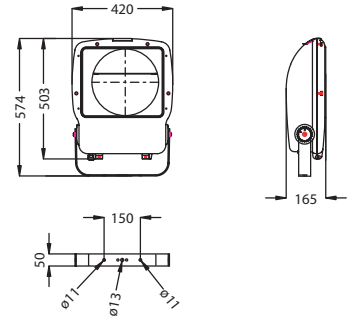
Circular high intensity reflector with baffle to avoid the direct glare.



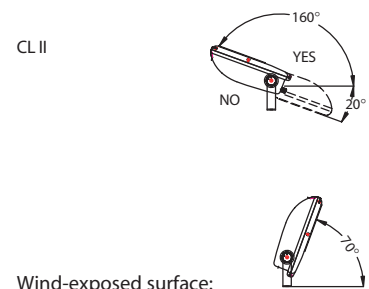
Lamps

	ST (SAP-T) E40 150-250-400W
	MT (JM-T) E40 150-250-400W
	MD (JM) FC2 250-400W
	SD (SAP) FC2 250-400W

Dimensions (mm)



Working position



Wind-exposed surface: m^2 0,17 with vertical addressing 70° .

Available colours



SILVER

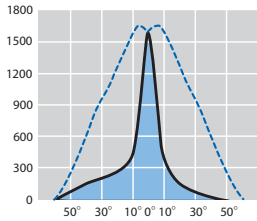
CL II

CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
30861	Silver body high intensity reflector E 40	M-S (JM-SAP) 150W	12,05	1	40	0,0494
30862**	Silver body high intensity reflector E 40	M-S (JM-SAP) 250W	13,35	1	40	0,0494
30863**	Silver body high intensity reflector E 40	M-S (JM-SAP) 400W	14,55	1	40	0,0494
30864	Silver body high intensity reflector E 40	MT (JM) 250W Philips type	12,20	1	40	0,0494
30865	Silver body high intensity reflector E 40	MT (JM) 400W Philips type	13,25	1	40	0,0494
30871	Silver body high intensity reflector	MD (JM-FC2) 250W	13,35	1	40	0,0494
30872	Silver body high intensity reflector	SD (SAP-FC2) 250W	13,35	1	40	0,0494
30873	Silver body high intensity reflector	MD (JM-FC2) 400W	14,55	1	40	0,0494
30874	Silver body high intensity reflector	SD (SAP-FC2) 400W	14,55	1	40	0,0494

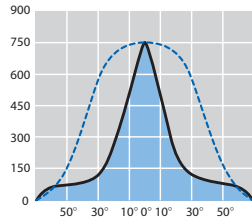
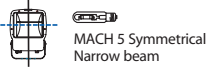
** Suitable for MH lamps Osram type, see lamps technical specifications.

MACH 5

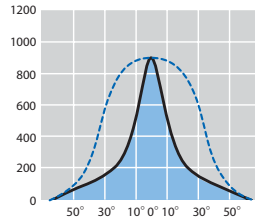
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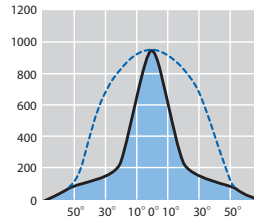
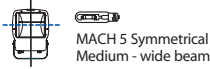
MT (JM-T) 400W E 40



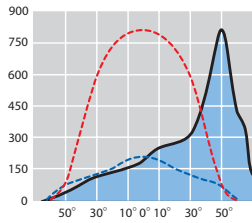
MT (JM-T) 400W E 40



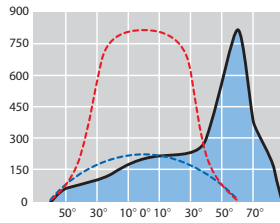
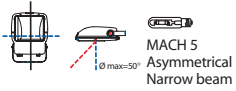
MT (JM-T) 400W E 40



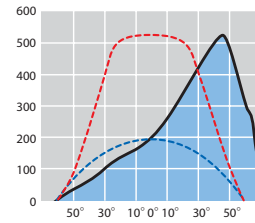
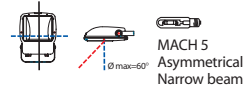
ST (SAP-T) 400W E 40



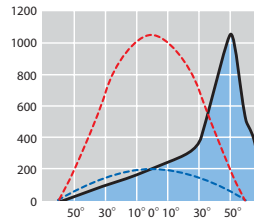
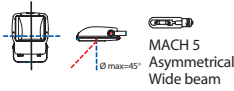
MT (JM-T) 400W E 40



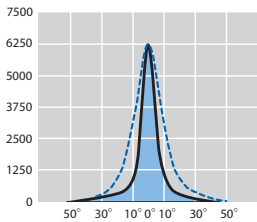
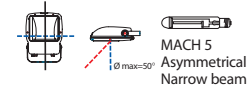
MT (JM-T) 400W E 40



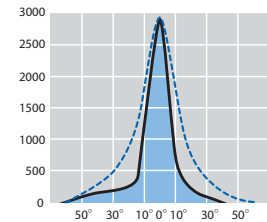
MT (JM-T) 400W E 40



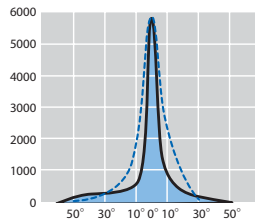
ST (SAP-T) 400W E 40



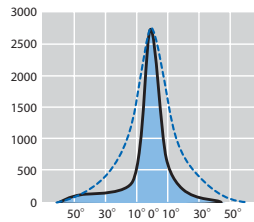
MD (JM-TS) 400W FC2



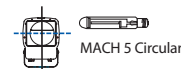
MT (JM-T) 400W E 40



MT (JM-T) 250W E 40



ST (SAP-T) 400W E 40



MACH 5

ACCESSORIES AND SPARE PARTS

CODE	DESCRIPTION	GROSS WEIGHT (kg)	PACKING (pcs.)	COLOUR	CBMS
60231	Protection grille	0,600	1	Silver	0,0024
60232	Protection louvre	1,070	1	Silver	0,0090
60233	Circular louvre	1,700	1	Silver	0,0109
60234	Anti-glare louvre	0,800	1	Silver	0,0133
60239	Extension arm length mm 850.	6,50	1	Silver	0,0415
60235	AKRON 1	0,500	1	Silver	0,0010
60237	AKRON 2	0,500	1	Silver	0,0010
60238	AKRON 3	1,65	1	Silver	0,0082
60242	AKRON 4 Ø 76 mm	14,00	1	Deep galvanized	0,0046
60246	AKRON 5 Ø 76 mm	10,00	1	Deep galvanized	0,0126
60240	AKRON 4 Ø 60 mm	13,50	1	Deep galvanized	0,0046
60244	AKRON 5 Ø 60 mm	9,50	1	Deep galvanized	0,0126



60231
Protection grille. Zinc plated and steel coated in glazed Silver colour



60232
Protection louvre. Zinc plated and steel coated in glazed Silver colour



60233
Circular louvre. Zinc plated and steel coated in glazed Silver colour



60234
Anti-glare louvre. Zinc plated and steel coated in glazed Silver colour



60239
Extension arm length mm 850. Zinc plated and steel coated in glazed Silver colour

The **Akron** installation modular system has been properly studied for the mach 5 floodlights and it is available in the following versions:



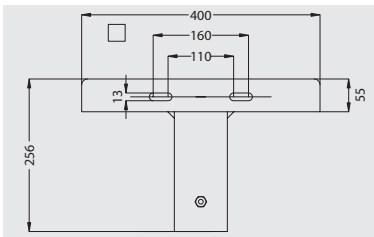
AKRON 1 **codice 60235**
Single top pole mounting support in die cast aluminium block Ø mm 60 painted in glazed silver colour.



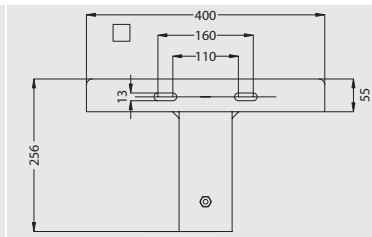
AKRON 2 **codice 60237**
Double top pole mounting support in die cast aluminium twin block Ø mm 60 painted in glazed silver colour.



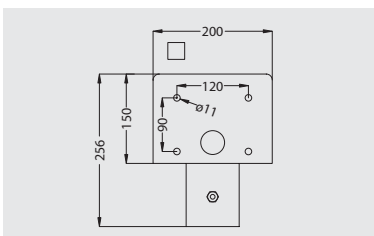
AKRON 3 **codice 60238**
Wall mounting single support for horizontal aiming in die cast aluminium block painted in glazed silver colour.



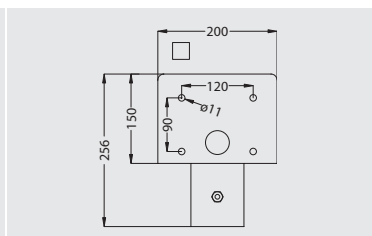
AKRON 4 **code 60242**
Hot deep galvanized sheet steel accessory for 4 floodlights 400W max fixing on 76 mm diam. pole



AKRON 4 **code 60240**
Hot deep galvanized sheet steel accessory for 4 floodlights 400W max fixing on 60 mm diam. pole



AKRON 5 **code 60246**
Hot deep galvanized sheet steel accessory for 2/4 extension arms code 60239 for 76 mm diam. pole



AKRON 5 **code 60244**
Hot deep galvanized sheet steel accessory for 2/4 extension arms code 60239 for 60 mm diam. pole





Symmetrical



Asymmetrical



Circular

Energy saving floodlight



Die cast alluminium body and frame coated with polyester powders in black colour complete with thermally isolated control gear housing.

On request white and only for E40 lampholder available also on titanium colour.

For Class II fixtures only in silver colour RAL 7035. Reflector made of highly pure aluminium sheet, polished and oxidized.

The front glass is non-breaking type, sealed to the cover. All the gaskets are in non degenerative silicon rubber.

Bracket made of galvanized painted steel with index for vertical orientation.

The removable control gear plate, made out for Class I of galvanized steel sheet, and for Class II

of injection of selfextinguish thermoplastic material, is complete with connectors which allow a quick disassembly during maintenance operations.

Electrical housing cover made of reinforced polypropylene.

Lampholder E 40 or FC 2, cable gland PG 13,5.

The double ended FC2 lamp allows an exact focal position ensuring high photometric performances and providing the maximum glare control glare.

All the electrical components are produced according to the Italian Quality Standards for power 230V – 50Hz and the projector is manufactured according to En 60598/1 rules.

MACH 1 Symmetrical



Optical system

The version with two different reflectors:
Peened reflector for mediumwide beam.
Specular reflector for mediumnarrow beam.

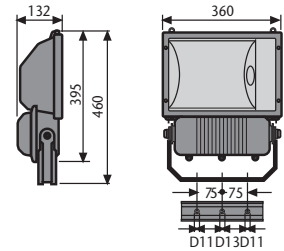
wind exposed surface = 0,130 m²



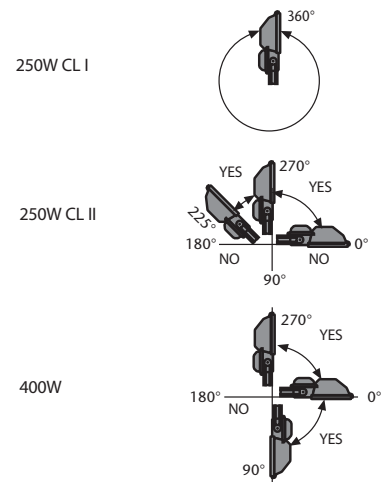
Lamps

	ST (SAP-T) E40 150-250W
	MT (JM-T) E40 150-250-400W
	MD (JM) FC2 250-400W
	SD (SAP) FC2 250-400W

Dimensions (mm)



Working position



Available colours



CL I

CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
50750	Black Body - E40 - peened	250W	5,15	1	60	0,02736
52000	White Body - E40 - peened	250W	5,15	1	60	0,02736
50751	Black Body - E40 - specular	250W	5,15	1	60	0,02736
52002	White Body - E40 - specular	250W	5,15	1	60	0,02736
50752	Black Body - E40 - peened	150W	5,15	1	60	0,02736
52004	White Body - E40 - peened	150W	5,15	1	60	0,02736
50753	Black Body - E40 - specular	150W	5,15	1	60	0,02736
52006	White Body - E40 - specular	150W	5,15	1	60	0,02736
50780	DRACO Black - peened	MT (JM) 250W Philips type	8,05	1	56	0,02736
52040	DRACO White - peened	MT (JM) 250W Philips type	8,05	1	56	0,02736
52041	DRACO Titanium - peened	MT (JM) 250W Philips type	8,05	1	56	0,02736
52161	DRACO Silver - peened	MT (JM) 250W Philips type	8,05	1	56	0,02736
52180	DRACO Black - peened	MT (JM) 250W Osram type	8,05	1	56	0,02736
52175	DRACO Black - peened	MT (JM) 400W Osram type	8,90	1	56	0,02736
52711	DRACO Black - peened	ST (SAP-T) 250W	8,65	1	56	0,02736
52162	DRACO Silver - peened	ST (SAP-T) 250W	8,65	1	56	0,02736
50758	NEKAR Black - peened	MD (JM-FC2) 250W	8,56	1	56	0,02736
50778	NEKAR Black - peened	MD (JM-FC2) 400W	10,00	1	56	0,02736
50760	NEKAR Black - peened	SD (SAP-FC2) 250W	8,56	1	56	0,02736
50786	NEKAR Black - peened	SD (SAP-FC2) 400W	10,00	1	56	0,02736
50515	KIT	MT-ST (JM-SAP) 250W	3,82	1	-	0,0057
50525	KIT	MT-ST (JM-SAP) 150W	2,98	1	-	0,0057

CL II

CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
50792	Silver Body E40 peened	M-S (JM-SAP) 250W	8,80	1	56	0,02736
50793	Silver Body E40 specular	M-S (JM-SAP) 250W	8,80	1	56	0,02736
50794	Silver Body E40 peened	M-S (JM-SAP) 150W	8,00	1	56	0,02736
50795	Silver Body E40 specular	M-S (JM-SAP) 150W	8,00	1	56	0,02736
50733	MERAK peened - Silver	MT (JM) 250W Philips type	8,05	1	56	0,02736
50730	MERAK specular - Silver	MT (JM) 250W Philips type	8,05	1	56	0,02736
50745	KUMA peened - Silver	MD (JM-FC2) 250W	8,56	1	56	0,02736
50743	KUMA peened - Silver	SD (SAP-FC2) 250W	8,56	1	56	0,02736

MACH 1 Asymmetrical



Optical system

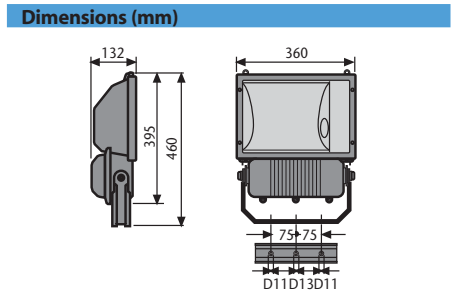
The asymmetrical optics improve considerably the projector's performance and in the same way reduce the glare. The asymmetrical version with two different reflectors:

- Peened reflector for medium - wide beam.
- Specular reflector for medium - narrow beam.

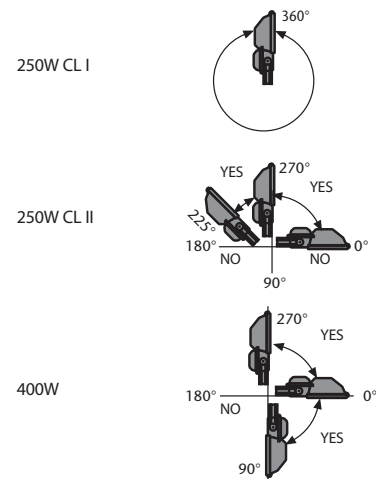
wind exposed surface = 0,130 m²



Lamps	
	ST (SAP-T) E40 150-250W
	MT (JM-T) E40 150-250-400W
	MD (JM) FC2 250-400W
	SD (SAP) FC2 250-400W



Working position



Available colours



CL I

CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
50754	Black Body - E40 - peened	250W	5,15	1	60	0,02736
52008	White Body - E40 - peened	250W	5,15	1	60	0,02736
50769	Black Body - E40 - specular	250W	5,15	1	60	0,02736
52010	White Body - E40 - specular	250W	5,15	1	60	0,02736
50755	Black Body - E40 - peened	150W	5,15	1	60	0,02736
52012	White Body - E40 - peened	150W	5,15	1	60	0,02736
50770	Black Body - E40 - specular	150W	5,15	1	60	0,02736
52014	White Body - E40 - specular	150W	5,15	1	60	0,02736
50785	CR ASTER Black - peened	MT (JM) 250W Philips type	8,05	1	56	0,02736
52044	CR ASTER White - peened	MT (JM) 250W Philips type	8,05	1	56	0,02736
52045	CR ASTER Titanium - peened	MT (JM) 250W Philips type	8,05	1	56	0,02736
52163	CR ASTER Silver - peened	MT (JM) 250W Philips type	8,05	1	56	0,02736
52190	CR ASTER Black - peened	MT (JM) 250W Osram type	8,05	1	56	0,02736
52185	CR ASTER Black - peened	MT (JM) 400W Osram type	8,90	1	56	0,02736
52712	CR ASTER Black - peened	ST (SAP-T) 250W	8,65	1	56	0,02736
52164	CR ASTER Silver - peened	ST (SAP-T) 250W	8,65	1	56	0,02736
50762	CR VEGA Black - peened	MD (JM-FC2) 250W	8,56	1	56	0,02736
50781	CR VEGA Black - peened	MD (JM-FC2) 400W	10,00	1	56	0,02736
50763	CR VEGA Black - peened	SD (SAP-FC2) 250W	8,56	1	56	0,02736
50788	CR VEGA Black - peened	SD (SAP-FC2) 400W	10,00	1	56	0,02736
50515	CR KIT	MT-ST (JM-SAP) 250W	3,82	1	-	0,0057
50525	CR KIT	MT-ST (JM-SAP) 150W	2,98	1	-	0,0057

CL II

CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
50796	CR Silver Body E40 peened	M-S (JM-SAP) 250W	8,80	1	56	0,02736
50798	CR Silver Body E40 specular	M-S (JM-SAP) 250W	8,80	1	56	0,02736
50797	CR Silver Body E40 peened	M-S (JM-SAP) 150W	8,00	1	56	0,02736
50799	CR Silver Body E40 specular	M-S (JM-SAP) 150W	8,00	1	56	0,02736
50732	CR ARIS peened - Silver	MT (JM) 250W Philips type	8,05	1	56	0,02736
50731	CR ARIS specular - Silver	MT (JM) 250W Philips type	8,05	1	56	0,02736
50741	CR ISTAR peened - Silver	MD (JM-FC2) 250W	8,56	1	56	0,02736
50739	CR ISTAR peened - Silver	SD (SAP-FC2) 250W	8,56	1	56	0,02736

MACH 1 Circular



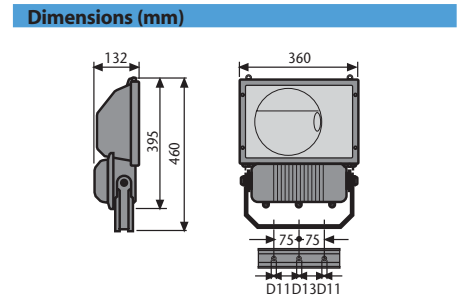
Optical system

Circular high intensity reflector with baffle to avoid the direct glare.

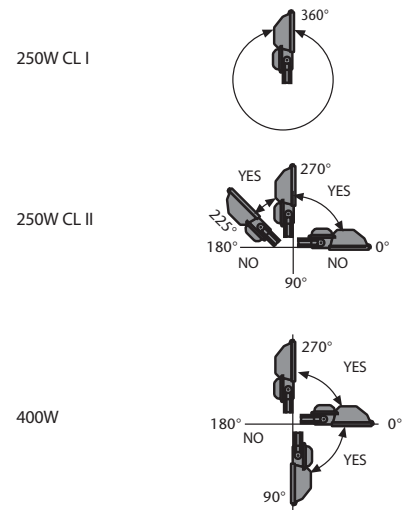
wind exposed surface = 0,130 m²



Lamps	
	ST (SAP-T) E40 150-250W
	MT (JM-T) E40 150-250W
	MD (JM) FC2 250-400W
	SD (SAP) FC2 250-400W



Working position



Available colours

BLACK	SILVER	TITANIUM	WHITE

CL I

CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
50771	Black Body - E40 high intensity reflector	150W	5,15	1	60	0,02736
50772	Black Body - E40 high intensity reflector	250W	5,15	1	60	0,02736
50775	MIZAR high intensity reflector - Black	MD (JM-FC2) 250W	8,81	1	56	0,02736
50776	MIZAR high intensity reflector - Black	SD (SAP-FC2) 250W	8,81	1	56	0,02736
50784	MIZAR high intensity reflector - Black	MD (JM-FC2) 400W	10,20	1	56	0,02736
50791	MIZAR high intensity reflector - Black	SD (SAP-FC2) 400W	10,20	1	56	0,02736
50515	KIT MT-ST (JM-SAP)	250W	3,82	1	-	0,0057
50525	KIT MT-ST (JM-SAP)	150W	2,98	1	-	0,0057
50593	KIT MT (JM)	250W Philips type	3,00	1	-	0,0057

CL II

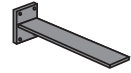
CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
50729	Silver Body - E40 high intensity reflector	M (JM) 250W Philips type	8,05	1	56	0,02736
50747	Silver Body - E40 high intensity reflector	M-S (JM-SAP) 250W	8,80	1	60	0,02736
50746	Silver Body - E40 high intensity reflector	M-S (JM-SAP) 150W	8,00	1	60	0,02736
50734	RIGEL - Silver high intensity reflector	SD (SAP-FC2) 250W	8,56	1	56	0,02736
50735	RIGEL - Silver high intensity reflector	MD (JM-FC2) 250W	8,56	1	56	0,02736

MACH 1

ACCESSORIES AND SPARE PARTS

CODE	DESCRIPTION	GROSS WEIGHT (kg)	PACKING (pcs.)	COLOUR	CBMS
60101	Bracket 600 mm.	2,70	1	Silver	-
60099	Bracket 600 mm.	2,70	1	Black	-
60065	Grille	0,40	1	Black	-
60066	Louvre	0,83	1	Black	0,0042
60067	Circular steel louvre for MACH 1 E 40	1,25	1	Black	0,0062
60068	Circular steel louvre for MACH 1 FC2	1,25	1	Black	0,0062
60242	AKRON 4 Ø 76 mm	14,00	1	Deep galvanized	0,0046
60240	AKRON 4 Ø 60 mm	13,50	1	Deep galvanized	0,0046
07720	Glass	1,00	-	-	-
60089	Top pole device	1,30	1	Black	-
50530*	CL I empty gear plate	0,40	1	-	0,0010

* For extra European countries only



60099 - 60101
Bracket Length 600 mm Ideal for lighting shop-windows. Zinc plated and steel coated in black colour.



60065
Steel protection grille. Zinc plated and steel coated in black colour.



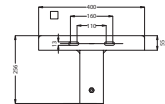
60066
Steel protection louvre. Zinc plated and steel coated in black colour.



60089
Top pole mounting device in die cast aluminium Ø 60. Zinc plated and steel coated in black colour.



60067 - 60068
Circular steel louvre. Zinc plated and steel coated in black colour.

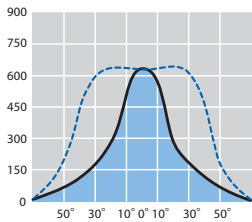


60242 AKRON 4
Hot deep galvanized sheet steel accessory for 4 floodlights 400W max fixing on 76 mm diam. pole

60240 AKRON 4
Hot deep galvanized sheet steel accessory for 4 floodlights 400W max fixing on 60 mm diam. pole



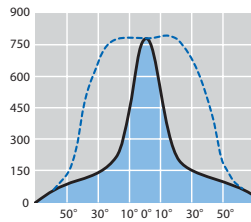
Photometric data



MT (JM-T) 250W E40



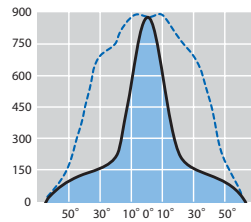
MACH 1 Symmetrical wide



ST (SAP-T) 250W E40



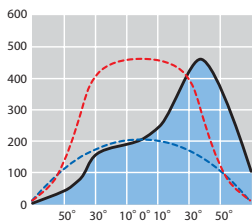
MACH 1 Symmetrical wide



SD (SAP-TS) 400W FC 2



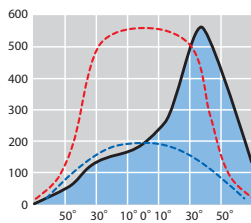
MACH 1 Symmetrical wide



MT 250W E40



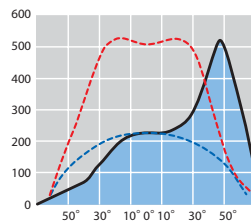
MACH 1 Asymmetrical wide
Ø max 40°



ST 250W E40



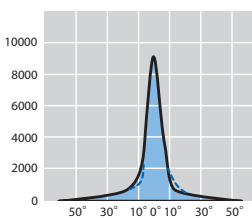
MACH 1 Asymmetrical wide
Ø max 38°



MD 400W FC2



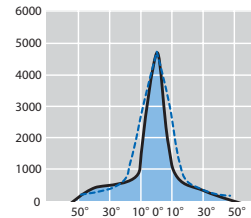
MACH 1 Asymmetrical wide
Ø max 45°



MT (JM-T) 150W E40



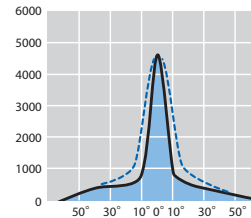
MACH 1 Circular High intensity



MT (JM-T) 250W E40



MACH 1 Circular High intensity



MD (JM-TS) 400W FC 2



MACH 1 Circular High intensity

Energy-saving floodlight



Symmetrical



Asymmetrical



41

Die cast alluminium body and frame coated with polyester powders in black and white colours on request, complete with thermally isolated control gear housing. For Class II fixture only silver colour RAL 7035. Reflector made of highly pure, peened alluminium sheet, polished and oxidized.

Variable optics.

Tempered front glass with silicon rubber gasket.

Bracket made of galvanized painted steel with index for vertical orientation.

The removable control gear plate, made out for

Class I of a galvanized steel sheet, and for Class II of injection of selfextinguish thermoplastic material, is complete with connectors which allow its quick disassembly during maintenance operations. Electrical housing cover made of reinforced polypropylene.

Lampholder E 40, cable gland PG 13,5.

All the electrical components are produced according to the Italian Quality Standards for power 230V - 50 Hz and the projector is manufactured according to EN 60598/1 rules.

Large areas lightings

JET 5 Symmetrical



Optical system

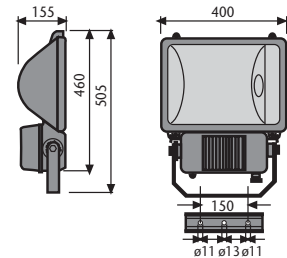
The versions with two different reflectors (peened and specular), guarantee medium
- wide and medium
- narrow beams.

wind exposed surface = 0,160 m²

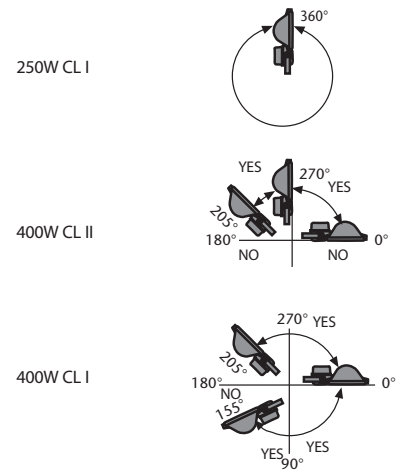


Lamps	
	QE (MBF) 250W E40
	SE (SAP-E) 150-250W E40
	ST (SAP-T) 150-250-400W E40
	MT (JM-T) 150-250-400W E40
	ME (JM-E) 150-250W E40

Dimensions (mm)



Working position



Available colours



CL I

CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
50500	Black Body E 40 peened	-	6,84	1	52	0,0347
50553	White Body E 40 peened	-	6,84	1	52	0,0347
50548	Black Body E 40 specular	-	6,84	1	52	0,0347
50509	KOMBI peened - Black	MT (JM) 400W Philips type	11,08	1	48	0,0347
52733	KOMBI peened - Silver	MT (JM) 400W Philips type	11,08	1	48	0,0347
52710	KOMBI peened - Black	ST (SAP-T) 400W	12,00	1	48	0,0347
52734	KOMBI peened - Silver	ST (SAP-T) 400W	12,00	1	48	0,0347
50510*	KIT	MT-ST (JM-SAP) 400W	5,23	1	-	0,0057
50515	KIT	ME-SE/MT-ST (JM-SAP) 250W	3,82	1	-	0,0057
50520	KIT	QE (MBF) 250W	2,90	1	-	0,0057
50525	KIT	ME-SE/MT-ST (JM-SAP) 150W	2,98	1	-	0,0057

* Suitable for MH lamps Osram type, see lamps technical specifications.

CL II

CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
50650*	Symmetrical Body peened - Silver	MT-ST (JM-SAP) 400W	11,91	1	48	0,0347
50652	KOMBI peened - Silver	MT (JM) 400W Philips type	11,08	1	48	0,0347
50715*	Symmetrical Body specular - Silver	MT-ST (JM-SAP) 400W	11,91	1	48	0,0347
50717	KOMBI specular - Silver	MT (JM) 400W Philips type	11,08	1	48	0,0347

* Suitable for MH lamps Osram type, see lamps technical specifications.

JET 5 Asymmetrical



Optical system

The asymmetrical optics improve considerably the projector's performances and in the same way reduce the glare.

The asymmetrical versions with two different reflectors, guarantee a medium-wide beam with peened reflector and medium-narrow beam with specular reflector.

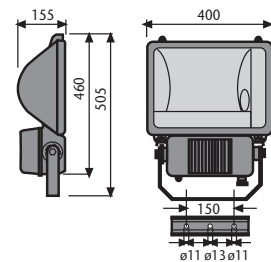
wind exposed surface = 0,160 m²



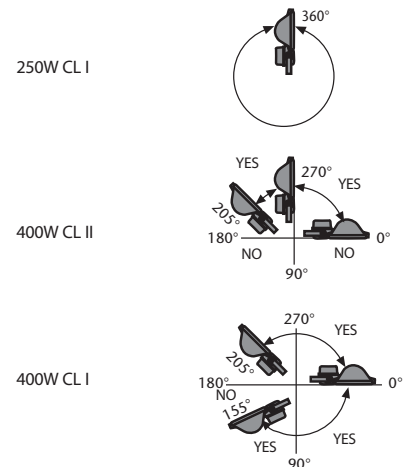
Lamps

	MT (JM-T) 150-250-400W E40
	ST (SAP-T) 150-250-400W E40

Dimensions (mm)



Working position



Available colours



CL I

CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
50568	Black Body E 40 peened	-	6,84	1	52	0,0347
50633	White Body E 40 peened	-	6,84	1	52	0,0347
50567	Black Body E 40 specular	-	6,84	1	52	0,0347
50632	White Body E 40 specular	-	6,84	1	52	0,0347
50631	DROP peened - Black	MT (JM) 400W Philips type	11,08	1	48	0,0347
52735	DROP peened - Silver	MT (JM) 400W Philips type	11,08	1	48	0,0347
52713	DROP peened - Black	ST (SAP-T) 400W	12,00	1	48	0,0347
52736	DROP peened - Silver	ST (SAP-T) 400W	12,00	1	48	0,0347
50510*	KIT	MT-ST (JM-SAP) 400W	5,23	1	-	0,0057
50515	KIT	MT-ST (JM-SAP) 250W	3,82	1	-	0,0057
50525	KIT	MT-ST (JM-SAP) 150W	2,98	1	-	0,0057

* Suitable for MH lamps Osram type, see lamps technical specifications.

CL II

CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
50655*	Asymmetrical Body peened - Silver	MT-ST (JM-SAP) 400W	11,91	1	48	0,0347
50657	DROP peened - Silver	MT (JM) 400W Philips type	11,08	1	48	0,0347
50719*	CAsymmetrical Body specular - Silver	MT-ST (JM-SAP) 400W	11,91	1	48	0,0347
50721	DROP specular - Silver	MT (JM) 400W Philips type	11,08	1	48	0,0347

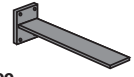
* Suitable for MH lamps Osram type, see lamps technical specifications.

JET 5

ACCESSORIES AND SPARE PARTS

CODE	DESCRIPTION	GROSS WEIGHT (kg)	PACKING (pcs.)	COLOUR	CBMS
60099	Bracket	2,70	1	Black	-
60203	Louvre	1,10	1	Black	0,0040
60202	Grille	0,62	1	Black	-
60089	Top pole device	1,30	1	Black	-
60242	AKRON 4 Ø 76 mm	14,00	1	Deep galvanized	0,0046
60240	AKRON 4 Ø 60 mm	13,50	1	Deep galvanized	0,0046
08711	Glass	1,10	-	-	-
50530*	CL I empty gear plate	0,40	1	-	0,0010

* For extra European countries only



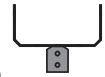
60099
Bracket Length 600 mm
Ideal for lighting shop-windows.
Zinc plated and steel coated in
black colour.



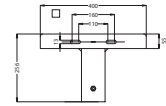
60202
Steel protection grille.
Zinc plated and steel coated in
black colour.



60203
Steel protection louvre.
Zinc plated and steel coated in
black colour.



60089
Top pole mounting device in die
cast aluminium Ø 60.
Zinc plated and steel coated in
black colour.



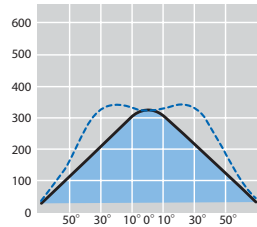
60242 AKRON 4
Hot deep galvanized sheet
steel accessory for 4 floodlights
400W max fixing on 76 mm
diam. pole

60240 AKRON 4
Hot deep galvanized sheet
steel accessory for 4 floodlights
400W max fixing on 60 mm
diam. pole



Photometric data

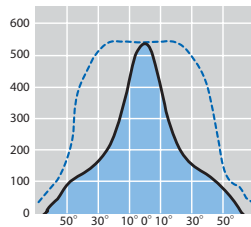
JET 5 Symmetrical



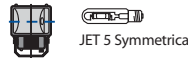
QE (MBF) 250W - E40



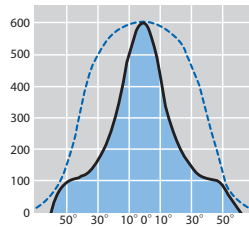
JET 5 Symmetrical



MT (JM-T) 400W - E40



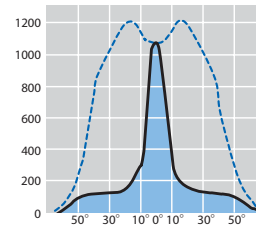
JET 5 Symmetrical



ST (SAP-T) 400W - E40



JET 5 Symmetrical

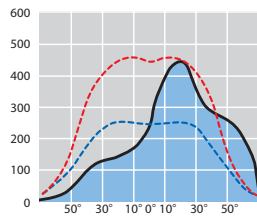


MT (JM-T) 400W - E40



JET 5 Symmetrical narrow

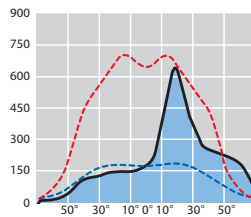
JET 5 Asymmetrical



MT (JM-T) 400W E40



JET 5 Asymmetrical wide



MT (JM-T) 400W E40



JET 5 Asymmetrical narrow



Symmetrical

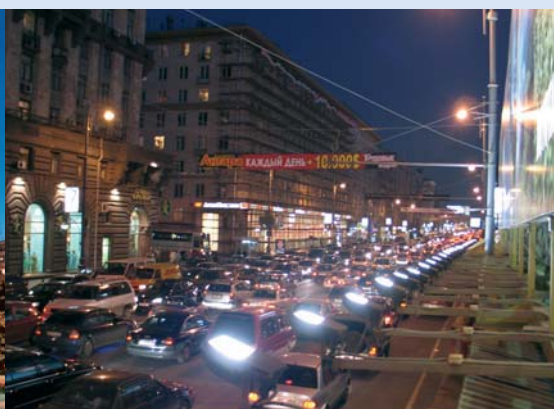


Asymmetrical



Circular

Energy-saving floodlight



47

JET 7 is an out-door highperformance projector which can be used for a large range of discharge lamps. Two versions: symmetrical with peened reflector, and symmetrical with specular reflector.

Technical specifications

Die cast aluminium body and frame coated with polyester powders in black colour, complete with thermally isolated control gear housing.

For Class II fixture only in silver colour RAL 7035. Reflector made of highly pure aluminium sheet, polished and oxidized. Tempered glass with silicon rubber gasket.

Bracket made of galvanized steel with index for

vertical orientation.

The removable control gear plate, made out for Class I of a galvanized steel sheet, and for Class II of injection of selfextinguish thermoplastic material, is complete with connectors which allow its quick disassembly during maintenance operations.

Electrical housing cover made of technopolymer. Lampholder E 40, cable gland PG 13,5.

All the electrical components are produced according to the Italian Quality Standards for power 230V - 50 Hz and the projector is manufactured according to EN 60598/1 rules.

Large areas lightings



JET 7 Symmetrical



Optical system

The symmetrical versions with two different reflectors (peened and specular) and the large range of lamps which may be used, guarantee medium - wide and medium narrow beams.

The accuracy of these reflectors enables a perfect control of the luminous flux and a considerable glare reduction.

The flux reflecting skirt ensures high performances.

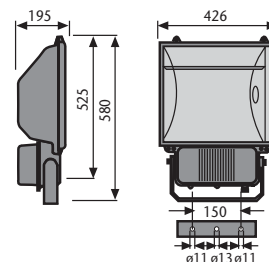
wind exposed surface = 0,193 m²



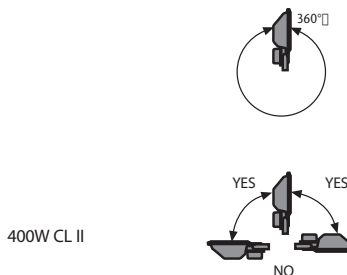
Lamps

	MT (JM-T) 250-400W E40
	ST (SAP-T) 250-400-600W E40

Dimensions (mm)



Working position



Available colours



CL I

	CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
	50492	Symmetrical Body E40 peened - Black	-	8,56	1	30	0,0540
	50493	Symmetrical Body E40 specular - Black	-	8,56	1	30	0,0540
	50826	CRL KÖNIG peened - Black	MT (JM) 400W Philips type	12,94	1	30	0,0540
	50533	CRL KING peened - Black	ST (SAP) 600W	16,85	1	30	0,0540
	50535	CRL KING specular - Black	ST (SAP) 600W	16,85	1	30	0,0540
	50515	CR KIT	MT-ST (JM-SAP) 250W	3,82	1	-	0,0057
	50510*	CR KIT	MT-ST (JM-SAP) 400W	5,23	1	-	0,0057
	50593	CR KIT	MT (JM) 250W Philips type	3,00	1	-	0,0057

* Suitable for MH lamps Osram type, see lamps technical specifications.

CL II

	CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
	50660*	CR Symmetrical Body peened - Silver	MT-ST (JM-SAP) 400W	13,63	1	30	0,0540
	50661	CR Symmetrical Body peened - Silver	MT-ST (JM-SAP) 250W	11,90	1	30	0,0540
	50662	CRL KÖNIG peened - Silver	MT (JM) 400W Philips type	12,00	1	30	0,0540
	50663	CRL KÖNIG peened - Silver	MT (JM) 250W Philips type	10,92	1	30	0,0540
	50665*	CR Symmetrical Body specular - Silver	MT-ST (JM-SAP) 400W	13,63	1	30	0,0540
	50666	CR Symmetrical Body specular - Silver	MT-ST (JM-SAP) 250W	11,90	1	30	0,0540
	50667	CRL KÖNIG specular - Silver	MT (JM) 400W Philips type	12,00	1	30	0,0540
	50668	CRL KÖNIG specular - Silver	MT (JM) 250W Philips type	10,92	1	30	0,0540

* Suitable for MH lamps Osram type, see lamps technical specifications.

JET 7 Asymmetrical



Optical system

The asymmetrical optics, obtained with careful laboratory tests, ensures a perfect control of the luminous flux, with a considerable improvement in the projector's performance and glare reduction.

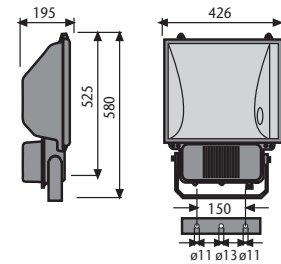
wind exposed surface = 0,193 m²



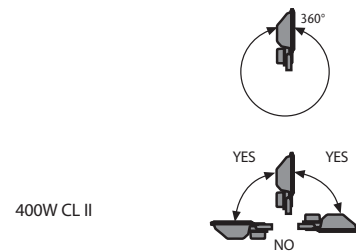
Lamps

	MT (JM-T) 250-400W E40
	ST (SAP-T) 250-400-600W E40

Dimensions (mm)



Working position



Available colours



CL I

	CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
	50490	Asymmetrical Body E40 peened - Black	-	8,56	1	30	0,0540
	50828	Asymmetrical Body E40 specular reflector - Black	-	8,56	1	30	0,0540
	50486	CRL STRATOS peened - Black	MT (JM) 400W Philips type	12,94	1	30	0,0540
	50534	CRL KING peened - Black	ST (SAP) 600W	16,85	1	30	0,0540
	50515	CR KIT	MT-ST (JM-SAP) 250W	3,82	1	-	0,0057
	50510*	CR KIT	MT-ST (JM-SAP) 400W	5,23	1	-	0,0057
	50593	CR KIT	MT (JM) 250W Philips type	3,00	1	-	0,0057

* Suitable for MH lamps Osram type, see lamps technical specifications.

CL II

	CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
	50670*	CR Asymmetrical Body peened - Silver	MT-ST (JM-SAP) 400W	13,63	1	30	0,0540
	50671	CR Asymmetrical Body peened - Silver	MT-ST (JM-SAP) 250W	11,90	1	30	0,0540
	50672	CRL STRATOS peened - Silver	MT (JM) 400W Philips type	12,00	1	30	0,0540
	50673	CRL STRATOS peened - Silver	MT (JM) 250W Philips type	10,92	1	30	0,0540
	50686	CRL STRATOS specular - Silver	MT (JM) 250W Philips type	10,92	1	30	0,0540
	50687	CRL STRATOS specular - Silver	MT (JM) 400W Philips type	12,00	1	30	0,0540

* Suitable for MH lamps Osram type, see lamps technical specifications.

JET 7 Circular



Optical system

The projector is supplied with 2 types of optics:
 - Glazed with medium - narrow beam.
 - Super bright with narrow beam at highest intensity.
 The baffle avoids the direct glare of the lamp.

Operating area

- Relief lighting
 - Sport courts

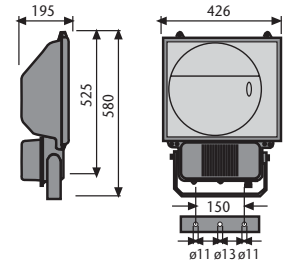
wind exposed surface = 0,193 m²



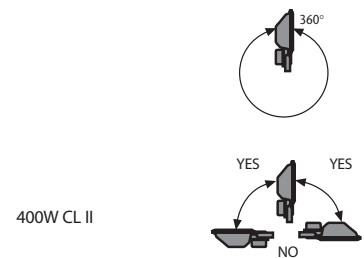
Lamps

	MT (JM-T) 250 - 400W E40
	ST (SAP-T) 250 - 400W E40

Dimensions (mm)



Working position



400W CL II

Available colours



CL I

CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
50825	Black Body E40	250W	9,10	1	30	0,0540
50542	Black Body E40	400W	9,10	1	30	0,0540
50827	Black Body E40 high intensity reflector	250W	9,10	1	30	0,0540
50824	Black Body E40 high intensity reflector	400W	9,10	1	30	0,0540
50515	KIT	MT-ST (JM-SAP) 250W	3,82	1	-	0,0057
50510*	KIT	MT-ST (JM-SAP) 400W	5,23	1	-	0,0057
50593	KIT	MT (JM) 250W Philips type	3,00	1	-	0,0057
50594	KIT	MT (JM) 400W Philips type	4,05	1	-	0,0057

* Suitable for MH lamps Osram type, see lamps technical specifications.

CL II

CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
50675*	Silver Body	MT-ST (JM-SAP) 400W	13,63	1	30	0,0540
50676	Silver Body	MT-ST (JM-SAP) 250W	12,00	1	30	0,0540
50677	Silver Body	MT (JM) 400W Philips type	12,00	1	30	0,0540
50678	Silver Body	MT (JM) 250W Philips type	10,92	1	30	0,0540
50708*	Silver Body high intensity reflector	MT-ST (JM-SAP) 400W	13,63	1	30	0,0540
50709	Silver Body high intensity reflector	MT-ST (JM-SAP) 250W	12,00	1	30	0,0540
50710	Silver Body high intensity reflector	MT (JM) 400W Philips type	12,00	1	30	0,0540
50711	Silver Body high intensity reflector	MT (JM) 250W Philips type	10,92	1	30	0,0540

* Suitable for MH lamps Osram type, see lamps technical specifications.

ACCESSORIES AND SPARE PARTS

CODE	DESCRIPTION	GROSS WEIGHT (kg)	PACKING (pcs.)	COLOUR	CBMS
60339	Louvre	1,35	1	Black	0,0100
60085	Circular steel louvre	1,35	1	Black	0,0100
60349	Grille	0,75	1	Black	0,0030
60089	Top pole device	1,30	1	Black	-
60242	AKRON 4 Ø 76 mm	14,00	1	Deep galvanized	0,0046
60240	AKRON 4 Ø 60 mm	13,50	1	Deep galvanized	0,0046
05769	Glass	1,50	-	-	-
50530*	CL I empty gear plate	0,40	1	-	0,0020

* For extra European countries only



60349
Steel protection grille.
Zinc plated and steel coated in black colour.



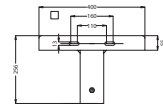
60339
Steel protection louvre.
Zinc plated and steel coated in black colour.



60089
Top pole mounting device in die cast aluminium Ø 60.
Zinc plated and steel coated in black colour.



60085
Circular steel louvre.
Zinc plated and steel coated in black colour.



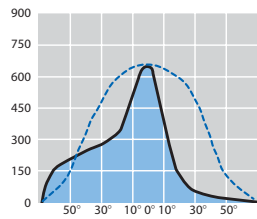
60242 AKRON 4
Hot deep galvanized sheet steel accessory for 4 floodlights 400W max fixing on 76 mm diam. pole

60240 AKRON 4
Hot deep galvanized sheet steel accessory for 4 floodlights 400W max fixing on 60 mm diam. pole



Photometric data

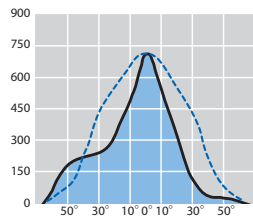
JET 7 Symmetrical



MT (JM-T) 400W E40



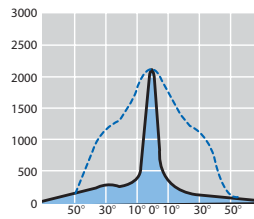
JET 7 Symmetrical



ST (SAP-T) 400W E40



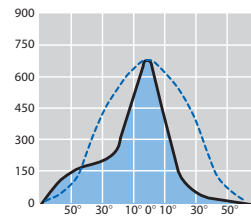
JET 7 Symmetrical



ST (SAP-T) 250W E40



JET 7 Symmetrical narrow

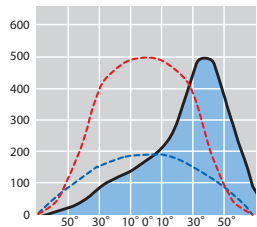


ST (SAP-T) 600W E40



JET 7 King

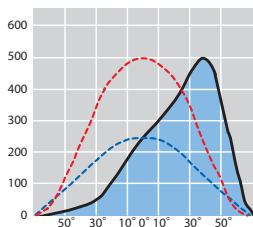
JET 7 Asymmetrical



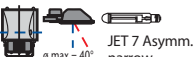
MT (JM-T) 400W E40



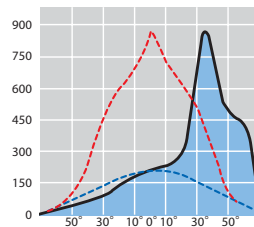
JET 7 Asymmetrical
θ max = 35°



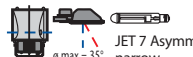
ST (SAP-T) 400W E40



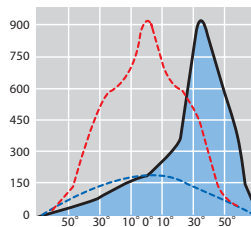
JET 7 Asymm. narrow
θ max = 40°



ST (SAP-T) 400W E40



JET 7 Asymm. narrow
θ max = 35°

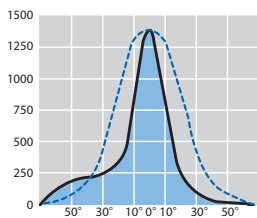


MT (JM-T) 400W E40



JET 7 Asymm. narrow
θ max = 35°

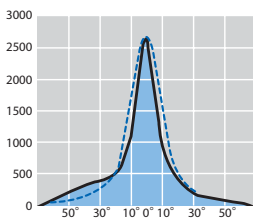
JET 7 Circular



ST (SAP-T) 400W - E40



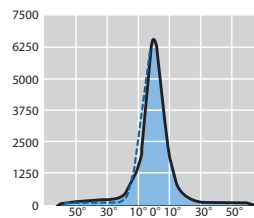
JET 7 Circular



MT (JM-T) 400W - E40



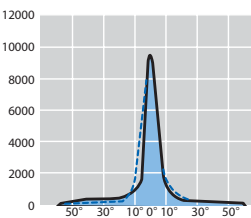
JET 7 Circular



MT (JM-T) 400W - E40



JET 7 Circular high intensity



MT (JM-T) 250W - E40



JET 7 Circular high intensity

Energy-saving floodlight



JET 1000
Symmetrical



JET 2000
Symmetrical



JET 1000
Asymmetrical



JET 2000
Asymmetrical



Jet 1000-2000 are advanced floodlights which combine high efficiency light output with high photometric performances they have been designed particularly for:

- outdoor and indoor sports halls.
- large areas.

Reflector made of highly pure, aluminium sheet, polished and oxidized.

Front tempered glass resistant to high temperatures and to thermal shock. Anti-ageing gaskets in silicon rubber.

Hot deep galvanized sheet steel fixing bracket, painted only for the JET 1000 symmetrical, with

index for vertical orientation.

The wiring compartment can be used as a junction box, or as housing for the ignitor (to be supplied separately).

CABLO SERVICE series boxes complete with electrical accessories are available for the power supply of the lamp.

Anti-screwing out device E40 lampholder.

PG 13,5 cable gland .

All the electrical components are suitable for power 230V - 50Hz and the projector is manufactured according to EN 60598/1 rules.

JET 1000 Symmetrical



High efficiency projector for metal halide and high pressure 1000W lamps. "Leader" version is supplied with incorporated control gear and metal halide 1000W lamp, Osram or Philips. Die cast aluminium body and frame coated with polyester powders in black colour, complete with thermally ignitor housing. Electrical housing cover made of technopolymer.

Optical system

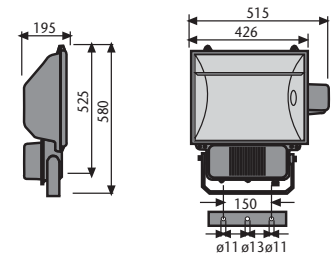
The symmetrical optics with two different reflectors (peened and specular) guarantees medium-wide and medium-narrow beams. The accuracy of these reflectors enables a perfect control of the luminous flux and a considerable glare reduction. The flux reflecting skirt ensures high performances.

wind exposed surface = 0,203 m²

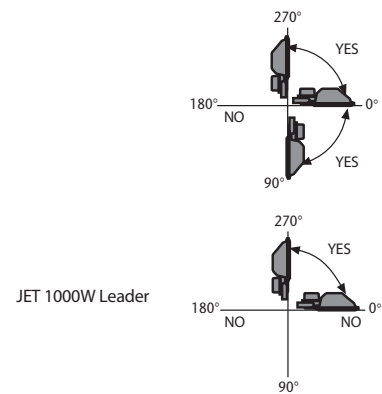
Lamps

	MT (JM-T) 1000W E40
	ST (SAP-T) 1000W E40

Dimensions (mm)



Working position



Available colours



CL I

	CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
	50494	Black Body E 40 peened	M (JM) 1000W Osram type	9,70	1	25	0,0648
	50495	Black Body E 40 specular	M (JM) 1000W Osram type	9,70	1	25	0,0648
	50497	Black Body E 40 peened	M (JM) 1000W Philips type S (SAP) 1000W	9,70	1	25	0,0648
	50498	Black Body E 40 specular	M (JM) 1000W Philips type S (SAP) 1000W	9,70	1	25	0,0648
	50570	CRL LEADER peened - Black	M (JM) 1000W Philips type	17,73	1	25	0,0648
	50571	CRL LEADER specular - Black	M (JM) 1000W Philips type	17,73	1	25	0,0648
	50693	CRL LEADER peened - Black	M (JM) 1000W Osram type	20,60	1	25	0,0648
	50694	CRL LEADER specular - Black	M (JM) 1000W Osram type	20,60	1	25	0,0648

JET 1000 Asymmetrical



High efficiency projector for 1000W metal halide and high pressure sodium lamps.

It's also available a floodlight completely wired with metal halide or high pressure sodium lamp 1000W, called "SOLAR".

Body and cable compartment in pressed sheet aluminium coated with black polyester powder.

Stainless steel springs for closing the frame.

Optical system

The projector is supplied with two types of emissions:

Asy1: Max. intensity at approx. 50° recommended for the lighting of large areas (aimings towards the vertical between -20° and + 25°)

Asy2: Max. intensity at approx. 30° recommended for indoor lighting (aimings towards the vertical between -10° and + 40°).

And with two types of asymmetrical optics:

- Peened with a wide beam
- Specular with a narrow beam

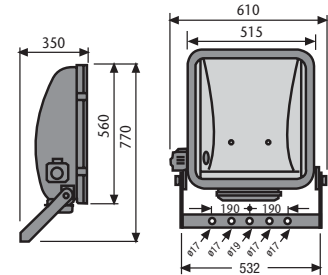
A careful study permits excellent control of the luminous flux and a considerable glare reduction.

wind exposed surface = 0,275 m²

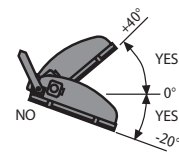
Lamps

	MT (JM-T) 1000W E40
	ST (SAP-T) 1000W E40

Dimensions (mm)



Working position



Available colours



BLACK

CL I

CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
50612	Black Body E40 - 50° Peened refl. with flux reflecting skirt	M (JM) 1000W - S (SAP)	18,60	1	10	0,149
50613	Black Body E40 - 50° Specular refl. with flux reflecting skirt	M (JM) 1000W - S (SAP)	18,60	1	10	0,149
50622	Black Body E40 - 50° Peened refl. without flux reflect. skirt	M (JM) 1000W - S (SAP)	18,60	1	10	0,149
50623	Black Body E40 - 50° Specular refl. without flux reflect. skirt	M (JM) 1000W - S (SAP)	18,60	1	10	0,149
50614	SOLAR - 50° - Black Peened refl. with flux reflecting skirt	M (JM) 1000W Philips type	27,35	1	10	0,167
50615	SOLAR - 50° - Black Specular refl. with flux reflecting skirt	M (JM) 1000W Philips type	27,35	1	10	0,167
50624	SOLAR - 50° - Black Peened refl. without flux reflect. skirt	M (JM) 1000W Philips type	27,35	1	10	0,167
50625	SOLAR - 50° - Black Specular refl. without flux reflect. skirt	M (JM) 1000W Philips type	27,35	1	10	0,167
50698	SOLAR - 50° - Black Specular refl. with flux reflecting skirt	M (JM) 1000W Osram type	28,70	1	10	0,167
50699	SOLAR - 50° - Black Peened refl. with flux reflecting skirt	M (JM) 1000W Osram type	28,70	1	10	0,167
50704	SOLAR - 50° - Black Specular refl. with flux reflecting skirt	S (SAP) 1000W	28,70	1	10	0,167
50705	SOLAR - 50° - Black Peened refl. with flux reflecting skirt	S (SAP) 1000W	28,70	1	10	0,167
50626	Black Body E40 - 30° Peened refl. without flux reflect. skirt	M (JM) 1000W - S (SAP)	18,60	1	10	0,149
50627	Black Body E40 - 30° Specular refl. without flux reflect. skirt	M (JM) 1000W - S (SAP)	18,60	1	10	0,149
50641	SOLAR - 30° - Black Peened refl. without flux reflect. skirt	M (JM) 1000W Philips type	27,35	1	10	0,167
50640	SOLAR - 30° - Black Specular refl. without flux reflect. skirt	M (JM) 1000W Philips type	27,35	1	10	0,167

JET 1000

ACCESSORIES AND SPARE PARTS

CODE	DESCRIPTION	GROSS WEIGHT (kg)	COLOUR	1000W LAMP TYPE	CBMS
JET 1000 Symmetrical					
60339	Louvre	1,35	Black	-	0,0100
60349	Grille	0,75	Black	-	0,0030
05769	Glass	1,50	-	-	-
00878	4 KV ignitor	0,21	-	M-S (JM-SAP) Osram S (SAP) Philips	-
04644	1,2 KV ignitor for Philips lamp	0,10	-	M (JM) Philips	-
JET 1000 Asymmetrical					
60092	Steel anti-glare louvre	1,35	Black	-	0,0100
60050	Grille	1,20	Black	-	0,0055
00878	4 KV ignitor	0,21	-	M-S (JM-SAP) Osram S (SAP) Philips	-
04644	1,2 KV ignitor for Philips lamp	0,10	-	M (JM) Philips	-
07798	Frame with glass	5,50	Black	-	0,0260



60349 - 60050
Steel protection grille.
Zinc plated and steel coated in black colour.



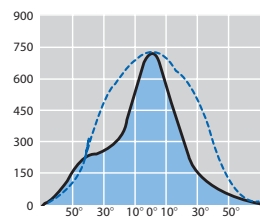
60092
Steel protection louvre.
Zinc plated and steel coated in black colour.



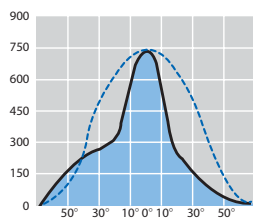
60339
Steel anti-glare louvre.
Zinc plated and steel coated in black colour.

Photometric data

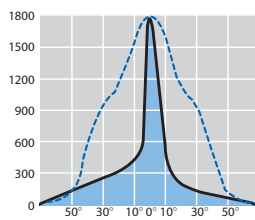
JET 1000 Symmetrical



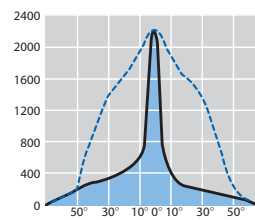
MT (JM-T) 1000W E40
JET 1000 Symmetrical Peened



ST (SAP-T) 1000W E40
JET 1000 Symmetrical Peened

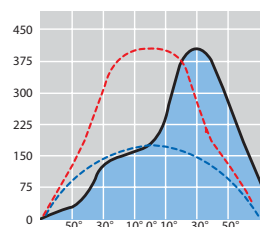


MT (JM-T) 1000W E40
JET 1000 Symmetrical Narrow

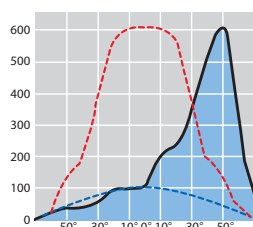


ST (SAP-T) 1000W E40
JET 1000 Symmetrical Narrow

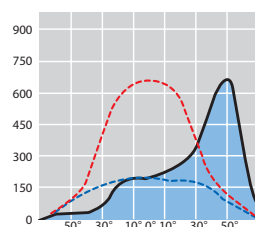
JET 1000 Asymmetrical



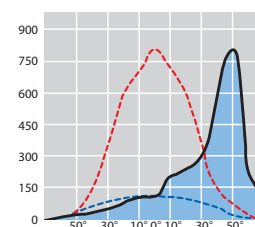
MT 1000 W E40
JET 1000 Asymm. 2 wide
ø max 30°



ST 1000 W E40
JET 1000 Asymm. 1 wide with refl. skirt
ø max 50°



ST 1000 W E40
JET 1000 Asymm. 1 wide
ø max 50°



ST 1000 W E40
JET 1000 Asymm. 1 narrow with refl. skirt
ø max 50°

Energy-saving floodlight



JET 1000
Symmetrical



JET 2000
Symmetrical



JET 1000
Asymmetrical



JET 2000
Asymmetrical



Jet 1000-2000 are advanced floodlights which combine high efficiency light output with high photometric performances they have been designed particularly for:

- outdoor and indoor sports halls.
- large areas.

Reflector made of highly pure, aluminium sheet, polished and oxidized.

Front tempered glass resistant to high temperatures and to thermal shock. Anti-ageing gaskets in silicon rubber.

Hot deep galvanized sheet steel fixing bracket, painted only for the JET 1000 symmetrical, with

index for vertical orientation.

The wiring compartment can be used as a junction box, or as housing for the ignitor (to be supplied separately).

CABLO SERVICE series boxes complete with electrical accessories are available for the power supply of the lamp.

Anti-screwing out device E40 lampholder.

PG 13,5 cable gland .

All the electrical components are suitable for power 230V - 50Hz and the projector is manufactured according to EN 60598/1 rules.

JET 2000 Symmetrical



High efficiency outdoor projector for 2000W metal halide lamps.
 Body and cable compartment in pressed sheet aluminium coated with silver polyester powders.
 Glass frame in die cast aluminium coated with silver polyester powders.
 Stainless steel springs for closing the frame.

Optical system

The JET 2000 projector is supplied with 2 types of optics:
 - Peened with a wide beam.
 - Specular with a narrow beam.
 A careful study permits excellent control of the

luminous flux and a considerable glare reduction.
 The presence of the flux reflecting skirt guarantees excellent performances.

Suitable lamps

The projector may use 2000W E 40 400 V metal halide lamps with following characteristics:
 - 10,3 A with incorporated ignitor Osram type
 - 8,8 A with incorporated ignitor Osram type
 - 8,8 A with outer ignitor Osram type
 - 8,2 A with outer ignitor Philips type

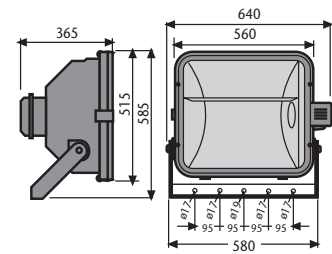
wind exposed surface = 0,312 m²

Lamps

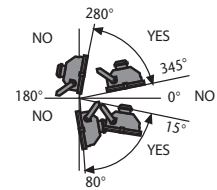


MT (JM-T) 2000W E40

Dimensions (mm)



Working position



Available colours



SILVER



CL I

CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
50602	Silver Body E40 symmetrical - peened	M (JM) 2000W	17,60	1	12	0,152
50603	Silver Body E40 symmetrical - specular	M (JM) 2000W	17,60	1	12	0,152

JET 2000 Asymmetrical



High efficiency outdoor projector for 2000W metal halide lamps.

Body and cable compartment in pressed sheet aluminium coated with silver polyester powder.

Glass frame in die cast aluminium coated with silver polyester powders.

Stainless steel springs for closing the frame.

Optical system

The JET 2000 projector is supplied with 2 types of optics:

- Peened with a wide beam.
- Specular with a narrow beam made in pure aluminium with very high reflection factor.

A careful study permits excellent control of the luminous flux and a considerable glare reduction.

The floodlight is to be installed with aimings towards the vertical from 0° to 40°.

Suitable lamps

The projector may use 2000W E 40 400 V metal halide lamps with following characteristics:

- 10,3 A with incorporated ignitor Osram type
- 8,8 A with incorporated ignitor Osram type
- 8,8 A with outer ignitor Osram type
- 8,2 A with outer ignitor Philips type

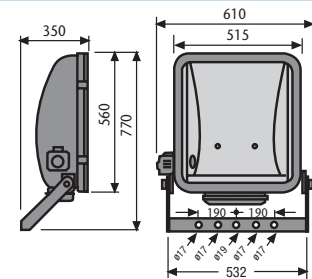
wind exposed surface = 0,275 m²
(with 40° vertical aiming)



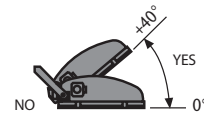
Lamps

MT (JM-T) 2000W E40

Dimensions (mm)



Working position



Available colours



SILVER

CL I

CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PALLET (pcs.)	CBMS
50611	Silver Body E40 Specular refl. with flux reflecting skirt	M (JM) 2000W	18,60	10	0,149
50618	Silver Body E40 Peened refl. without flux reflecting skirt	M (JM) 2000W	18,60	10	0,149
50619	Silver Body E40 Specular refl. without flux reflecting skirt	M (JM) 2000W	18,60	10	0,149

JET 2000

ACCESSORIES AND SPARE PARTS

CODE	DESCRIPTION	GROSS WEIGHT (kg)	1000W LAMP TYPE	CBMS
JET 2000 Symmetrical				
60051	Louvre	2,20	-	0,0190
60050	Grille	1,20	-	0,0055
60060	Frame with glass	5,50	-	0,0260
06891	Philips lamp	0,70	HPI-T 2000W/380V	0,0065
04192*	Osram lamp	0,80	HQI-T 2000W/D/I	0,0065
07131	Osram lampada	0,80	HQI-T 2000W/N/E/SUPER	0,0065
05146	Ignitor 1,2 KV - 400 V for Philips lamp	0,10	-	-
07130	Ignitor 5kV-400V for Osram lamp 2000W SUPER	0,35	-	-
06900	Ballast	15,00	JM 2000W-8,6/8,8 A 400V	0,0030
06901	Ballast	15,00	JM 2000W-10,3 A 400V	0,0030
05145	Capacitor 60 µF 450V	0,250	-	-
05144	Capacitor 40 µF 450V	0,250	-	-
JET 2000 Asymmetrical				
60092	Steel anti-glare louvre	1,35	-	0,0100
60050	Grille	1,20	-	0,0055
11624	Frame with glass	5,50	-	0,0260
06891	Philips lamp	0,70	HPI-T 2000W/380V	0,0065
04192*	Osram lamp	0,80	HQI-T 2000W/D/I	0,0065
07131	Osram lamp	0,80	HQI-T 2000W/N/E/SUPER	0,0065
05146	Ignitor 1,2 KV - 400 V for Philips lamp	0,10	-	-
07130	Ignitor 5kV-400V for Osram lamp 2000W SUPER	0,35	-	-
06900	Ballast	15,00	JM 2000W-8,6/8,8 A 400V	0,0030
06901	Ballast	15,00	JM 2000W-10,3 A 400V	0,0030
05145	Capacitor 60 µF 450V	0,250	-	-
05144	Capacitor 40 µF 450V	0,250	-	-

* Incorporated ignitor



60050
Steel protection louvre.
Zinc plated and steel coated in black colour.



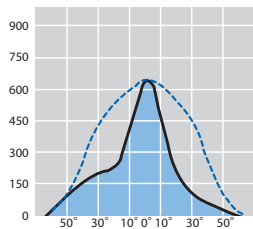
60051
Steel protection grille.
Zinc plated and steel coated in black colour.



60092
Steel anti-glare louvre.
Zinc plated and steel coated in black colour.

Photometric data

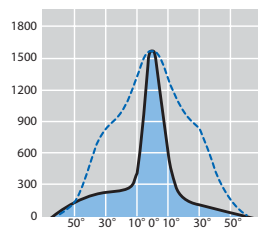
JET 2000 Symmetrical



MT 2000W E40



JET 2000 Symmetrical wide

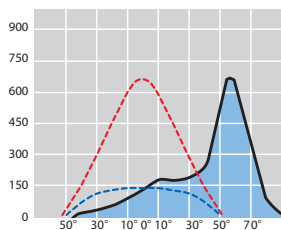


MT 2000W E40



JET 2000 Symmetrical narrow

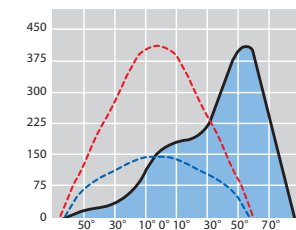
JET 2000 Asymmetrical



MT 2000 W E40



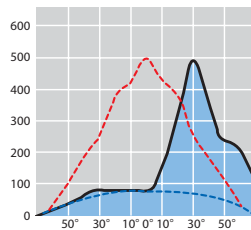
JET 2000 Asymmetrical narrow with steel glare louvre



MT 2000 W E40



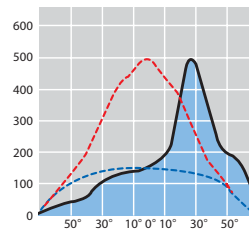
JET 2000 Asymmetrical wide with steel glare louvre



MT 2000 W E40



JET 2000 Asymmetrical narrow with refl. skirt



MT 2000 W E40



JET 2000 Asymmetrical narrow

Floodlight for discharge lamp 1000W

The LIGHTMASTER 1000 floodlight is the result of high level research made by our designers and engineers seeking an advanced professional sports lighting system, sports hall, large indoor sports areas, events and shows in large open areas. The projectors are suitable for installation on masts and line arrangements at heights up to 30/40 meters above and around

the surface area. The compact body, low weight and new design concept, offer the minimum levels of wind resistance also the use of smaller masts.

This is the perfect solution for stadium design. Insulation class I.

The impact test is 7 J.



Symmetrical



Asymmetrical



Circular



Lamps

Suitable lamps are double ended Metal Halide both Osram and Philips type.

Technical specifications

Body, rear cover and glass frame, in die cast aluminium, with primary alloy and low copper content (< 0,1%) with an high weather proof rating coated with black polyester powder.

Front tempered glass resistant to high temperatures and to thermal shock.

Anti-ageing gaskets in silicon rubber.

Hot deep galvanized sheet steel fixing bracket.

Gear housing separated from optical housing, complete of ignitor and rear cover made in special self-extinguishing material.

For the execution with two power switches, the fixture is available complete of incorporated control gear kit, too.

In the other versions the CABLO SERVICE box, may be used for the supply of the lamp.

Control gear box in die-cast aluminium IP 65 for class I or in thermoplastic material IP 66 for class II. The mounting distances between the gear box and the body can be up to 50/70 meters, as the ignitor is fitted within the rear housing of the projector. Anti-vacuum device.

Mounting and replacement

The lamp is located by opening the rear cover, the cover is opened by releasing two strong stainless steel quick release clips.

When the rear cover is opened the power is automatically disconnected.

The projector is supplied in two versions:

- with two power resistant knife switches.
- with one security resistant knife switch.

For the first version when the cover is opened, the power supply to lampholders is directly interrupted. For one security resistant version it is compulsory to connect a remote control switch to the poles of the terminal block inside the connection box.

When the cover is opened, the remote control switch disconnects the power supply.

Lamp replacement is achieved by opening the cover housing at an angle of 110°.

In case of lamp failure or at end lamp's life, it's absolutely necessary to open the double-pole switch and to inhibit the ignitor's discharge up to the lamp change.

LIGHTMASTER 1000 Symmetrical



Aiming

The aiming is achieved with a mechanical sighting device (a protractor scale, attached to the side of the unit and indicating the angle of tilt, can be used for preaiming) or for more precise aiming, a telescope 6x36 can be mounted on the sighting device (available as an optional extra).

Optical system

The symmetrical projector, is supplied with two types of optics

- Peened with a wide beam.
- Specular with a narrow beam.

A careful study permits excellent control of the luminous flux and a considerable glare reduction.

An accurate reproduction of the light distribution pattern is guaranteed by the two-point fixing of the transversely positioned lamp.

Luminaire designed for indoor and outdoor applications. The projector is ENEC certified for nominal ambient working temperature of 35°C. In case not expressly indicated, we remember that it's approved with a temperature of 25°C.

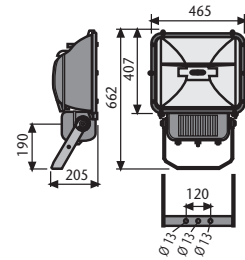
The endurance test of EN 60598-1 point 12.3 has been made at an ambient working temperature of 45°C. During the applications it's possible a temporary working at a temperature not exceeding 45°C.



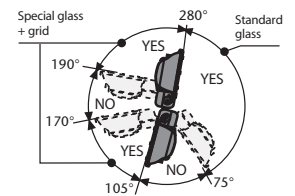
Lamp

	MD 1000W SHORT ARC
	MD 1000W LONG ARC

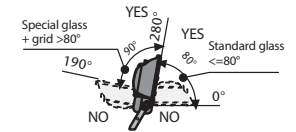
Dimensions (mm)



Working position



Exec. with inside kit



Wind exposed surface = 0,2160 m²



Available colours



SILVER

CL I

With two power knife switches when the cover is opened, the power supply to lampholders is directly interrupted.



CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
70501	Silver Body - specular	MD (JM-TS) 1000W Osram type	13,25	1	20	0,080
70502	Silver Body - peened	MD (JM-TS) 1000W Osram type	13,25	1	20	0,080
70507	Silver Body - specular	MD (JM-TS) 1000W Philips type	13,25	1	20	0,080
70508	Silver Body - peened	MD (JM-TS) 1000W Philips type	13,25	1	20	0,080
70750	Silver Body - specular	MD (JM-TS) 1000W Osram type	25,40	1	20	0,080
70751	Silver Body - peened	MD (JM-TS) 1000W Osram type	25,40	1	20	0,080
70757	Silver Body - specular	MD (JM-TS) 1000W Philips type	25,40	1	20	0,080
70758	Silver Body - peened	MD (JM-TS) 1000W Philips type	25,40	1	20	0,080

With one security knife switch version it is compulsory to connect the remote control switch to the poles of the terminal block inside the connection box. When the cover is opened, the remote control switch disconnects the power supply.

CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
70511	Silver Body - specular	MD (JM-TS) 1000W Osram type	13,25	1	20	0,080
70512	Silver Body - peened	MD (JM-TS) 1000W Osram type	13,25	1	20	0,080
70517	Silver Body - specular	MD (JM-TS) 1000W Philips type	13,25	1	20	0,080
70518	Silver Body - peened	MD (JM-TS) 1000W Philips type	13,25	1	20	0,080

CL II

With two power knife switches when the cover is opened, the power supply to lampholders is directly interrupted.

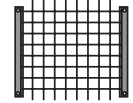


CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
70601	Silver Body - specular	MD (JM-TS) 1000W Osram type	13,25	1	20	0,080
70602	Silver Body - peened	MD (JM-TS) 1000W Osram type	13,25	1	20	0,080
70607	Silver Body - specular	MD (JM-TS) 1000W Philips type	13,25	1	20	0,080
70608	Silver Body - peened	MD (JM-TS) 1000W Philips type	13,25	1	20	0,080

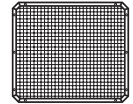
LIGHTMASTER 1000 Symmetrical

ACCESSORIES AND SPARE PARTS

CODE	DESCRIPTION	GROSS WEIGHT (kg)	LAMP 1000W (TYPE)	CBMS
60290	Grille	0,87	-	-
60292	Safety steel grid	0,65	-	-
60294	Louvre	1,35	-	-
10292	Osram lamp 4400K	0,30	HQI-TS 1000/NDL/S	-
10293	Osram lamp 5900K	0,30	HQI-TS 1000/D/S	-
10294	Philips lamp 4200K	0,35	MHN-LA 1000W 230V/842	-
10295	Philips lamp 5600K	0,35	MHN-LA 1000W 230V/956	-
00878	4kV ignitor	0,15	-	-
02955	Ballast	10,00	-	0,0027
04873	Capacitor 100 µF 250V	0,30	-	-



60290
Grille.
Zinc plated and steel coated in black colour.

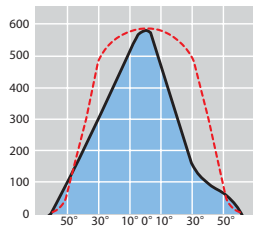


60292
Safety steel grid to be used with special glass.

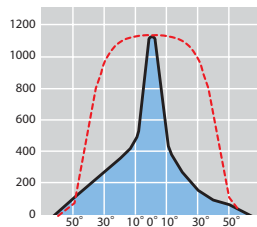


60294
Steel anti-glare louvre.
Zinc plated and steel coated in black colour.

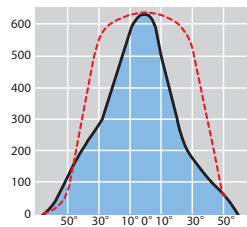
Photometric data



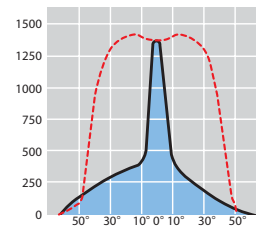
MD 1000W long arc
LIGHTMASTER 1000
Symmetrical Wide



MD 1000W long arc
LIGHTMASTER 1000
Symmetrical Narrow



MD 1000W short arc
LIGHTMASTER 1000
Symmetrical Wide



MD 1000W short arc
LIGHTMASTER 1000
Symmetrical Narrow

LIGHTMASTER 1000 Asymmetrical



Aiming

The aiming is achieved with a mechanical sighting device (a protractor scale, attached to the side of the unit and indicating the angle of tilt, can be used for preaiming) or for more precise aiming, a telescope 6x36 can be mounted on the sighting device (available as an optional extra).

Optical system

The asymmetrical projector, is supplied with specular reflector with a narrow beam made in high purity aluminium high performances with or without flux reflector skirt.

A careful study permits excellent control of the luminous flux and a considerable glare reduction.

An accurate reproduction of the light distribution pattern is guaranteed by the two-point fixing of the transversely positioned lamp.

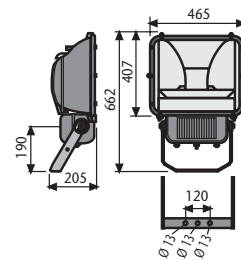
Luminaire designed for indoor and outdoor applications. The projector is ENEC certified for nominal ambient working temperature of 35°C. In case not expressly indicated, we remember that it's approved with a temperature of 25°C.

The endurance test of EN 60598-1 point 12.3 has been made at an ambient working temperature of 45°C. During the applications it's possible a temporary working at a temperature not exceeding 45°C.

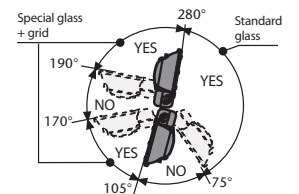


Lamp	
	MD 1000W SHORT ARC
	MD 1000W LONG ARC

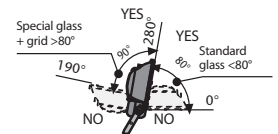
Dimensions (mm)



Working position



exec. with inside kit



Wind exposed surface = 0,2160 m²



Available colours



SILVER

CL I

With two power knife switches when the cover is opened, the power supply to lampholders is directly interrupted.



CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
70531	Silver Body - specular with deflector	MD (JM-TS) 1000W Osram type	13,25	1	20	0,080
70537	Silver Body - specular with deflector	MD (JM-TS) 1000W Philips type	13,25	1	20	0,080
70701	Silver Body - specular	MD (JM-TS) 1000W Osram type	13,25	1	20	0,080
70707	Silver Body - specular	MD (JM-TS) 1000W Philips type	13,25	1	20	0,080
70761	Silver Body - specular with deflector	MD (JM-TS) 1000W Osram type	25,40	1	20	0,080
70767	Silver Body - specular with deflector	MD (JM-TS) 1000W Philips type	25,40	1	20	0,080
70771	Silver Body - specular	MD (JM-TS) 1000W Osram type	25,40	1	20	0,080
70777	Silver Body - specular	MD (JM-TS) 1000W Philips type	25,40	1	20	0,080

With one security knife switch version it is compulsory to connect the remote control switch to the poles of the terminal block inside the connection box. When the cover is opened, the remote control switch disconnects the power supply.

CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
70541	Silver Body - specular with deflector	MD (JM-TS) 1000W Osram type	13,25	1	20	0,080
70547	Silver Body - specular with deflector	MD (JM-TS) 1000W Philips type	13,25	1	20	0,080
70711	Silver Body - specular	MD (JM-TS) 1000W Osram type	13,25	1	20	0,080
70717	Silver Body - specular	MD (JM-TS) 1000W Philips type	13,25	1	20	0,080

CL II

With two power knife switches when the cover is opened, the power supply to lampholders is directly interrupted.

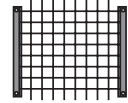


CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
70631	Silver Body - specular with deflector	MD (JM-TS) 1000W Osram type	13,25	1	20	0,080
70637	Silver Body - specular with deflector	MD (JM-TS) 1000W Philips type	13,25	1	20	0,080
70731	Silver Body - specular	MD (JM-TS) 1000W Osram type	13,25	1	20	0,080
70737	Silver Body - specular	MD (JM-TS) 1000W Philips type	13,25	1	20	0,080

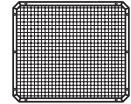
LIGHTMASTER 1000 Asymmetrical

ACCESSORIES AND SPARE PARTS

CODE	DESCRIPTION	GROSS WEIGHT (kg)	LAMP 1000W (TYPE)	CBMS
60290	Grille	0,87	-	-
60292	Safety steel grid	0,65	-	-
60293	Louvre	0,85	-	-
10292	Osram lamp 4400K	0,30	HQI-TS 1000/NDL/S	-
10293	Osram lamp 5900K	0,30	HQI-TS 1000/D/S	-
10294	Philips lamp 4200K	0,35	MHN-LA 1000W 230V/842	-
10295	Philips lamp 5600K	0,35	MHN-LA 1000W 230V/956	-
00878	4kV ignitor	0,15	-	-
02955	Ballast	10,00	-	0,0027
04873	Capacitor 100 µF 250V	0,30	-	-



60290
Grille.
Zinc plated and steel coated in black colour.

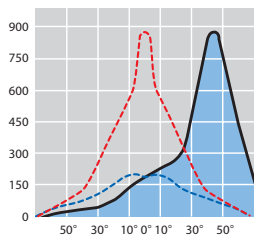


60292
Safety steel grid to be used with special glass.

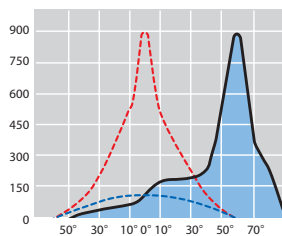


60293
Steel anti-glare louvre.
Zinc plated and steel coated in black colour.

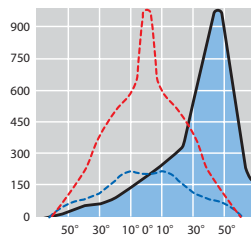
Photometric data



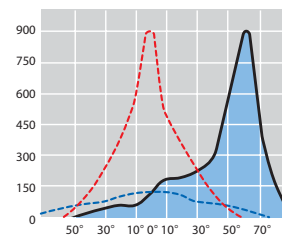
MD 1000W long arc
LIGHTMASTER 1000
Asymmetrical Specular
Ø max 48°



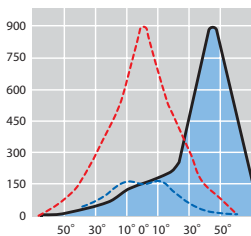
MD 1000W long arc
LIGHTMASTER 1000
Asymmetrical Specular with
steel anti-glare louvre
Ø max 60°



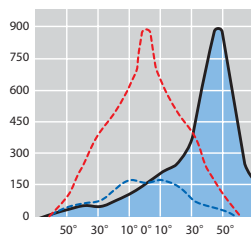
MD 1000W short arc
LIGHTMASTER 1000
Asymmetrical Specular
Ø max 48°



MD 1000W short arc
LIGHTMASTER 1000
Asymmetrical Specular with
steel anti-glare louvre
Ø max 62°



MD 1000W long arc
LIGHTMASTER 1000
Asymmetrical Specular
with steel anti-glare louvre
Ø max 48°



MD 1000W short arc
Asymmetrical Specular
with steel anti-glare louvre
Ø max 48°

LIGHTMASTER 1000 Circular



Aiming

The aiming is achieved with a mechanical sighting device (a protractor scale, attached to the side of the unit and indicating the angle of tilt, can be used for preaiming) or for more precise aiming, a telescope 6x36 can be mounted on the sighting device (available as an optional extra).

Optical system

High intensity rotational reflector, made by C1, C2, C3, C4, C5. A careful study permits excellent control of the luminous flux and very high performances. The flux reflecting skirt reduces the direct glare. An accurate reproduction of the light distribution

pattern is guaranteed by the two-point fixing of the transversely positioned lamp.

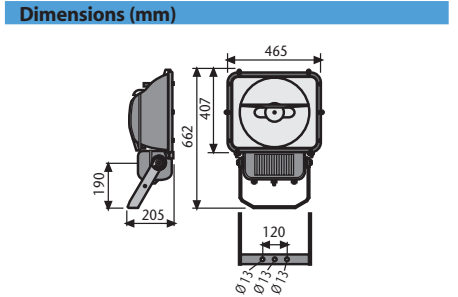
Luminaire designed for indoor and outdoor applications.

The projector is ENEC certified for nominal ambient working temperature of 35°C. In case not expressly indicated, we remember that it's approved with a temperature of 25°C.

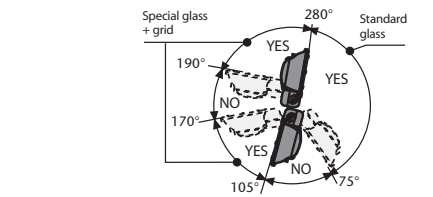
The endurance test of EN 60598-1 point 12.3 has been made at an ambient working temperature of 45°C. During the applications it's possible a temporary working at a temperature not exceeding 45°C.



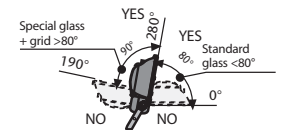
Lamp	
	MD 1000W SHORT ARC
	MD 1000W LONG ARC



Working position



exec. with inside kit



Wind exposed surface = 0,2160 m²



Available colours



CL I

With two power knife switches when the cover is opened, the power supply to lampholders is directly interrupted.

CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
70561	Silver Body - circular type C1	MD (JM-TS) 1000W Osram type	13,25	1	20	0,080
70562	Silver Body - circular type C2	MD (JM-TS) 1000W Osram type	13,25	1	20	0,080
70563	Silver Body - circular type C3	MD (JM-TS) 1000W Osram type	13,25	1	20	0,080
70564	Silver Body - circular type C4	MD (JM-TS) 1000W Osram type	13,25	1	20	0,080
70565	Silver Body - circular type C5	MD (JM-TS) 1000W Osram type	13,25	1	20	0,080
70572	Silver Body - circular type C2	MD (JM-TS) 1000W Philips type	13,25	1	20	0,080
70573	Silver Body - circular type C3	MD (JM-TS) 1000W Philips type	13,25	1	20	0,080
70574	Silver Body - circular type C4	MD (JM-TS) 1000W Philips type	13,25	1	20	0,080
70575	Silver Body - circular type C5	MD (JM-TS) 1000W Philips type	13,25	1	20	0,080
70781	Silver Body - circular type C1	MD (JM-TS) 1000W Osram type	25,40	1	20	0,080
70782	Silver Body - circular type C2	MD (JM-TS) 1000W Osram type	25,40	1	20	0,080
70783	Silver Body - circular type C3	MD (JM-TS) 1000W Osram type	25,40	1	20	0,080
70784	Silver Body - circular type C4	MD (JM-TS) 1000W Osram type	25,40	1	20	0,080
70785	Silver Body - circular type C5	MD (JM-TS) 1000W Osram type	25,40	1	20	0,080
70792	Silver Body - circular type C2	MD (JM-TS) 1000W Philips type	25,40	1	20	0,080
70793	Silver Body - circular type C3	MD (JM-TS) 1000W Philips type	25,40	1	20	0,080
70794	Silver Body - circular type C4	MD (JM-TS) 1000W Philips type	25,40	1	20	0,080
70795	Silver Body - circular type C5	MD (JM-TS) 1000W Philips type	25,40	1	20	0,080

With one security knife switch version it is compulsory to connect the remote control switch to the poles of the terminal block inside the connection box. When the cover is opened, the remote control switch disconnects the power supply.

CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
70581	Silver Body - circular type C1	MD (JM-TS) 1000W Osram type	13,25	1	20	0,080
70582	Silver Body - circular type C2	MD (JM-TS) 1000W Osram type	13,25	1	20	0,080
70583	Silver Body - circular type C3	MD (JM-TS) 1000W Osram type	13,25	1	20	0,080
70584	Silver Body - circular type C4	MD (JM-TS) 1000W Osram type	13,25	1	20	0,080
70585	Silver Body - circular type C5	MD (JM-TS) 1000W Osram type	13,25	1	20	0,080
70592	Silver Body - circular type C2	MD (JM-TS) 1000W Philips type	13,25	1	20	0,080
70593	Silver Body - circular type C3	MD (JM-TS) 1000W Philips type	13,25	1	20	0,080
70594	Silver Body - circular type C4	MD (JM-TS) 1000W Philips type	13,25	1	20	0,080
70595	Silver Body - circular type C5	MD (JM-TS) 1000W Philips type	13,25	1	20	0,080



LIGHTMASTER 1000 Circular

CL II

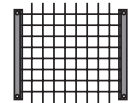
With two power knife switches when the cover is opened, the power supply to lampholders is directly interrupted.



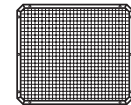
CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
70661	Silver Body - circular type C1	MD (JM-TS) 1000W Osram type	13,25	1	20	0,080
70662	Silver Body - circular type C2	MD (JM-TS) 1000W Osram type	13,25	1	20	0,080
70663	Silver Body - circular type C3	MD (JM-TS) 1000W Osram type	13,25	1	20	0,080
70664	Silver Body - circular type C4	MD (JM-TS) 1000W Osram type	13,25	1	20	0,080
70665	Silver Body - circular type C5	MD (JM-TS) 1000W Osram type	13,25	1	20	0,080
70672	Silver Body - circular type C2	MD (JM-TS) 1000W Philips type	13,25	1	20	0,080
70673	Silver Body - circular type C3	MD (JM-TS) 1000W Philips type	13,25	1	20	0,080
70674	Silver Body - circular type C4	MD (JM-TS) 1000W Philips type	13,25	1	20	0,080
70675	Silver Body - circular type C5	MD (JM-TS) 1000W Philips type	13,25	1	20	0,080

ACCESSORIES AND SPARE PARTS

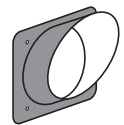
CODE	DESCRIPTION	GROSS WEIGHT (kg)	LAMP 1000W (TYPE)	CBMS
60290	Grille	0,87	-	-
60292	Safety steel grid	0,65	-	-
60291	Circular steel louvre	2,43	-	-
10292	Osram lamp 4400K	0,30	HQI-TS 1000/NDL/S	-
10293	Osram lamp 5900K	0,30	HQI-TS 1000/D/S	-
10294	Philips lamp 4200K	0,35	MHN-LA 1000W 230V/842	-
10295	Philips lamp 5600K	0,35	MHN-LA 1000W 230V/956	-
00878	4kV ignitor	0,15	-	-
02955	Ballast	10,00	-	0,0027
04873	Capacitor 100 µF 250V	0,30	-	-



60290
Grille. Zinc plated and steel coated in black colour.

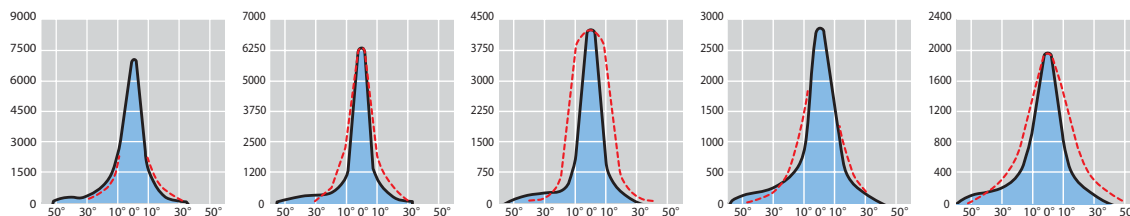


60292
Safety steel grid to be used with special glass.



60291
Circular steel louvre. Zinc plated and steel coated in black colour.

Photometric data



MD 1000W short arc



MD 1000W short arc



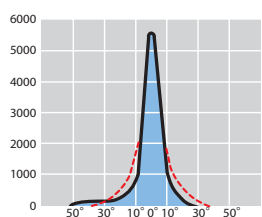
MD 1000W short arc



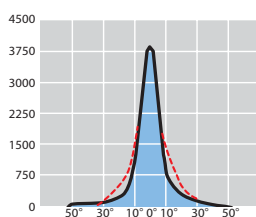
MD 1000W short arc



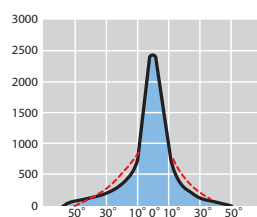
MD 1000W short arc



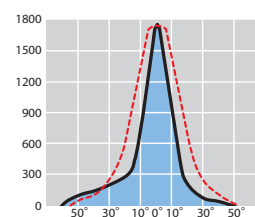
MD 1000W long arc



MD 1000W long arc



MD 1000W long arc



MD 1000W long arc



Floodlight for discharge lamp 2000W/400V

The LIGHTMASTER 2000 floodlight is the result of high level research made by our designers and engineers seeking an advanced professional sports lighting system, sports hall, large indoor sports areas, events and shows in large open areas.

The projectors are suitable for installation on masts and line arrangements at heights up to

50/70 meters above and around the surface area. The compact body, low weight and new design concept, offer the minimum levels of wind resistance also the use of smaller masts. This is the perfect solution for stadium design. Insulation classes I-II. The impact test is 7 J.



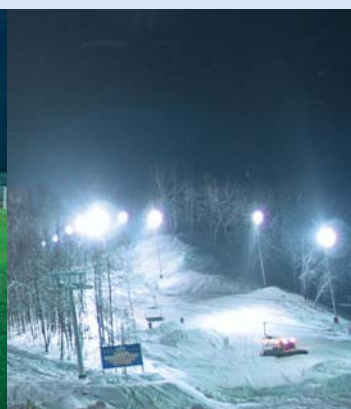
Symmetrical



Asymmetrical



Circular



Lamps

Suitable lamps are double ended Metal Halide both Osram and Philips type, short and long arc.

Technical specifications

Body, rear cover and glass frame, in die cast aluminium, with primary alloy and low copper content (< 0,1%) with an high weather proof rating coated with black polyester powder.

Front tempered glass resistant to high temperatures and to thermal shock.

Anti-ageing gaskets in silicon rubber.

Hot deep galvanized sheet steel fixing bracket.

Connection box in special selfextinguish plastic material, complete with ignitor.

Anti-vacuum device.

Control gear box in die-cast aluminium IP 65 for class I or in thermoplastic material IP 66 for class II, may be used for the supply of the lamp. The mounting distances between the gear box and the body can be up to 50/70 meters, as the ignitor is fitted within the rear housing of the projector.

Mounting and replacement

The lamp is located by opening the rear cover, the cover is opened by releasing two strong stainless steel quick release clips. When the rear cover is opened the power is automatically disconnected. The projector is complete with two power resistant one security resistant knife switches. For the first version when the cover is opened, the power supply to lampholders is directly interrupted. For one security resistant version it is compulsory to connect a remote control switch to the poles of the terminal block inside the connection box. When the cover is opened, the remote control switch disconnects the power supply.

Lamp replacement is achieved by opening the cover housing at an angle of 110°.

In case of lamp failure or at end lamp's life, it's absolutely necessary to open the double-pole switch and to inhibit the ignitor's discharge up to the lamp change.

LIGHTMASTER 2000 Symmetrical



Aiming

The aiming is achieved with a mechanical sighting device (a protractor scale, attached to the side of the unit and indicating the angle of tilt, can be used for pre-aiming) or for more precise aiming, a telescope 6x36 can be mounted on the sighting device (available as an optional extra).

Optical system

The symmetrical projector, is supplied with two types of optics:

- Peened with a wide beam
- Specular with a narrow beam

A careful study permits excellent control of the luminous flux and a considerable glare reduction.

An accurate reproduction of the light distribution pattern is guaranteed by the two-point fixing of the transversely positioned lamp.

Luminaire designed for indoor and outdoor applications. The projector is ENEC certified for nominal ambient working temperature of 35°C.

In case not expressly indicated, we remember that it's approved with a temperature of 25°C.

The endurance test of EN 60598-1 point 12.3 has been made at an ambient working temperature of 45°C.

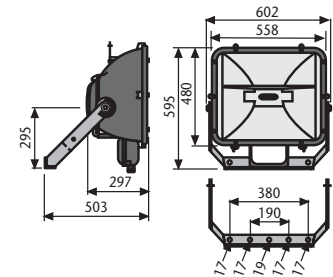
During the applications it's possible a temporary working at a temperature not exceeding 45°C.



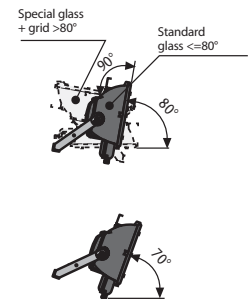
Lamp

	MD 2000W SHORT ARC
	MD 2000W LONG ARC

Dimensions (mm)



Working position



Available colours



CL I

With two power knife switches when the cover is opened, the power supply to lampholders is directly interrupted.

CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
70001	Silver Body - specular	MD (JM-TS) 2000W Osram type short arc	19,40	1	12	0,1377
70002	Silver Body - peened	MD (JM-TS) 2000W Osram type short arc	19,40	1	12	0,1377
70004	Silver Body - specular	MD (JM-TS) 2000W Osram type long arc	19,40	1	12	0,1377
70005	Silver Body - peened	MD (JM-TS) 2000W Osram type long arc	19,40	1	12	0,1377
70007	Silver Body - specular	MD (JM-TS) 2000W Philips type long arc	19,40	1	12	0,1377
70008	Silver Body - peened	MD (JM-TS) 2000W Philips type long arc	19,40	1	12	0,1377

With one security knife switch version it is compulsory to connect the remote control switch to the poles of the terminal block inside the connection box. When the cover is opened, the remote control switch disconnects the power supply.

CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
70011	Silver Body - specular	MD (JM-TS) 2000W Osram type short arc	19,40	1	12	0,1377
70012	Silver Body - peened	MD (JM-TS) 2000W Osram type short arc	19,40	1	12	0,1377
70014	Silver Body - specular	MD (JM-TS) 2000W Osram type long arc	19,40	1	12	0,1377
70015	Silver Body - peened	MD (JM-TS) 2000W Osram type long arc	19,40	1	12	0,1377
70017	Silver Body - specular	MD (JM-TS) 2000W Philips type long arc	19,40	1	12	0,1377
70018	Silver Body - peened	MD (JM-TS) 2000W Philips type long arc	19,40	1	12	0,1377

Special restrike system is available on request only for short arc Osram lamp and for the version in insulation Class I with single security switch only.

CL II

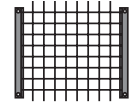
With two power knife switches when the cover is opened, the power supply to lampholders is directly interrupted.

CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
70101	Silver Body - specular	MD (JM-TS) 2000W Osram type short arc	19,40	1	12	0,1377
70102	Silver Body - peened	MD (JM-TS) 2000W Osram type short arc	19,40	1	12	0,1377
70104	Silver Body - specular	MD (JM-TS) 2000W Osram type long arc	19,40	1	12	0,1377
70105	Silver Body - peened	MD (JM-TS) 2000W Osram type long arc	19,40	1	12	0,1377
70107	Silver Body - specular	MD (JM-TS) 2000W Philips type long arc	19,40	1	12	0,1377
70108	Silver Body - peened	MD (JM-TS) 2000W Philips type long arc	19,40	1	12	0,1377

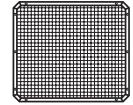
LIGHTMASTER 2000 Symmetrical

ACCESSORIES AND SPARE PARTS

CODE	DESCRIPTION	GROSS WEIGHT (kg)	LAMP 2000W (TYPE)	CBMS
60286	Grille	1,15	-	-
60288	Safety steel grid	0,85	-	-
60289	Louvre	1,96	-	-
10240	Osram lamp short arc 5800K	0,35	HQI-TS 2000W/D/S	-
10263	Sylvania lamp short arc 5600K	0,35	HSI-TD 2000W/D	-
10239	Osram lamp long arc 4100K	0,45	HQI-TS 2000W/N/L	-
10235	Philips lamp long arc 4200K	0,45	MHN-LA 2000W 400V/842	-
10236	Philips lamp long arc 5600K	0,45	MHN-LA 2000W 400V/956	-
07130	5kV-400V ignitor	0,35	-	-
06901	Ballast	15,00	JM 2000W 10,3A 400V	0,0030
05145	Capacitor 60 µF 450V	0,25	-	-



60286
Grille.
Zinc plated and steel coated in black colour.

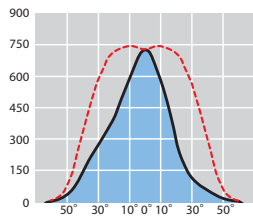


60288
Safety steel grid to be used with special glass.

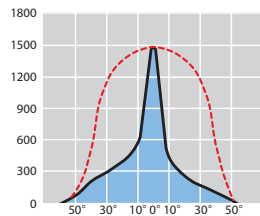


60289
Steel protection louvre.
Zinc plated and steel coated in black colour.

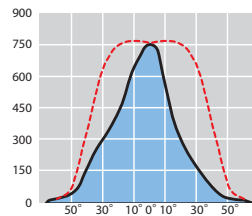
Photometric data



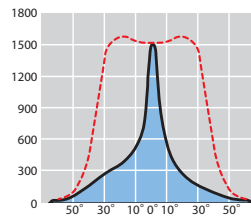
MD 2000W long arc



MD 2000W long arc



MD 2000W short arc



MD 2000W short arc



LIGHTMASTER 2000 Asymmetrical



Aiming

The aiming is achieved with a mechanical sighting device (a protractor scale, attached to the side of the unit and indicating the angle of tilt, can be used for pre-aiming) or for more precise aiming, a telescope 6x36 can be mounted on the sighting device (available as an optional extra).

Optical system

The asymmetrical projector, is supplied with two types of optics.

- Peened with a wide beam with or without flux reflector skin.
- Specular with a narrow beam with or without flux reflector skin.

A careful study permits excellent control of the

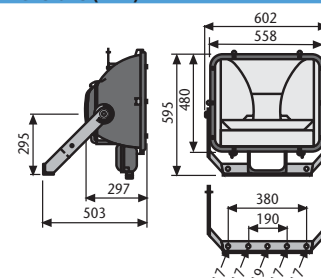
luminous flux and a considerable glare reduction. An accurate reproduction of the light distribution pattern is guaranteed by the two-point fixing of the transversely positioned lamp.

Luminaire designed for indoor and outdoor applications. The projector is ENEC certified for nominal ambient working temperature of 35°C. In case not expressly indicated, we remember that it's approved with a temperature of 25°C. The endurance test of EN 60598-1 point 12.3 has been made at an ambient working temperature of 45°C. During the applications it's possible a temporary working at a temperature not exceeding 45°C.

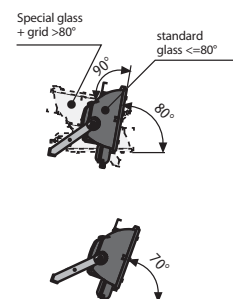
Lamp

	MD 2000W SHORT ARC
	MD 2000W LONG ARC

Dimensions (mm)



Working position



Available colours



CL I

With two power knife switches when the cover is opened, the power supply to lampholders is directly interrupted.

CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
70031	Silver Body - specular with deflector	MD (JM-TS) 2000W Osram type short arc	19,40	1	12	0,1377
70034	Silver Body - specular with deflector	MD (JM-TS) 2000W Osram type long arc	19,40	1	12	0,1377
70035	Silver Body - peened with deflector	MD (JM-TS) 2000W Osram type long arc	19,40	1	12	0,1377
70037	Silver Body - specular with deflector	MD (JM-TS) 2000W Philips type long arc	19,40	1	12	0,1377
70038	Silver Body - peened with deflector	MD (JM-TS) 2000W Philips type long arc	19,40	1	12	0,1377
70201	Silver Body - specular	MD (JM-TS) 2000W Osram type short arc	19,40	1	12	0,1377
70202	Silver Body - peened	MD (JM-TS) 2000W Osram type short arc	19,40	1	12	0,1377
70204	Silver Body - specular	MD (JM-TS) 2000W Osram type long arc	19,40	1	12	0,1377
70207	Silver Body - specular	MD (JM-TS) 2000W Philips type long arc	19,40	1	12	0,1377

With one security knife switch version it is compulsory to connect the remote control switch to the poles of the terminal block inside the connection box. When the cover is opened, the remote control switch disconnects the power supply.

CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
70041	Silver Body - specular with deflector	MD (JM-TS) 2000W Osram type short arc	19,40	1	12	0,1377
70044	Silver Body - specular with deflector	MD (JM-TS) 2000W Osram type long arc	19,40	1	12	0,1377
70045	Silver Body - peened with deflector	MD (JM-TS) 2000W Osram type long arc	19,40	1	12	0,1377
70047	Silver Body - specular with deflector	MD (JM-TS) 2000W Philips type long arc	19,40	1	12	0,1377
70048	Silver Body - peened with deflector	MD (JM-TS) 2000W Philips type long arc	19,40	1	12	0,1377
70211	Silver Body - specular	MD (JM-TS) 2000W Osram type short arc	19,40	1	12	0,1377
70212	Silver Body - peened	MD (JM-TS) 2000W Osram type short arc	19,40	1	12	0,1377
70214	Silver Body - specular	MD (JM-TS) 2000W Osram type long arc	19,40	1	12	0,1377
70217	Silver Body - specular	MD (JM-TS) 2000W Philips type long arc	19,40	1	12	0,1377

Special restrike system is available on request only for short arc Osram lamp and for the version in insulation Class I with single security switch only.

LIGHTMASTER 2000 Asymmetrical

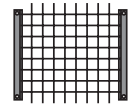
CL II

With two power knife switches when the cover is opened, the power supply to lampholders is directly interrupted.

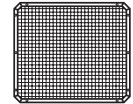
CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
70131	Silver Body - specular with deflector	MD (JM-TS) 2000W Osram type short arc	19,40	1	12	0,1377
70134	Silver Body - specular with deflector	MD (JM-TS) 2000W Osram type long arc	19,40	1	12	0,1377
70135	Silver Body - peened with deflector	MD (JM-TS) 2000W Osram type long arc	19,40	1	12	0,1377
70137	Silver Body - specular with deflector	MD (JM-TS) 2000W Philips type long arc	19,40	1	12	0,1377
70138	Silver Body - peened with deflector	MD (JM-TS) 2000W Philips type long arc	19,40	1	12	0,1377
70231	Silver Body - specular	MD (JM-TS) 2000W Osram type short arc	19,40	1	12	0,1377
70232	Silver Body - peened	MD (JM-TS) 2000W Osram type short arc	19,40	1	12	0,1377
70234	Silver Body - specular	MD (JM-TS) 2000W Osram type long arc	19,40	1	12	0,1377
70237	Silver Body - specular	MD (JM-TS) 2000W Philips type long arc	19,40	1	12	0,1377

ACCESSORIES AND SPARE PARTS

CODE	DESCRIPTION	GROSS WEIGHT (kg)	LAMP 2000W (TYPE)	CBMS
60286	Grille	1,15	-	-
60288	Safety steel grid	0,85	-	-
60287	Louvre	1,40	-	-
10240	Osram lamp short arc 5800K	0,35	HQI-TS 2000W/D/S	-
10263	Sylvania lamp short arc 5600K	0,35	HSI-TD 2000W/D	-
10239	Osram lamp long arc 4100K	0,45	HQI-TS 2000W/N/L	-
10235	Philips lamp long arc 4200K	0,45	MHN-LA 2000W 400V/842	-
10236	Philips lamp long arc 5600K	0,45	MHN-LA 2000W 400V/956	-
07130	5kV-400V ignitor	0,35	-	-
06901	Ballast	15,00	JM 2000W 10,3A 400V	0,0030
05145	Capacitor 60 µF 450V	0,25	-	-



60286
Grille.
Zinc plated and steel coated in black colour.

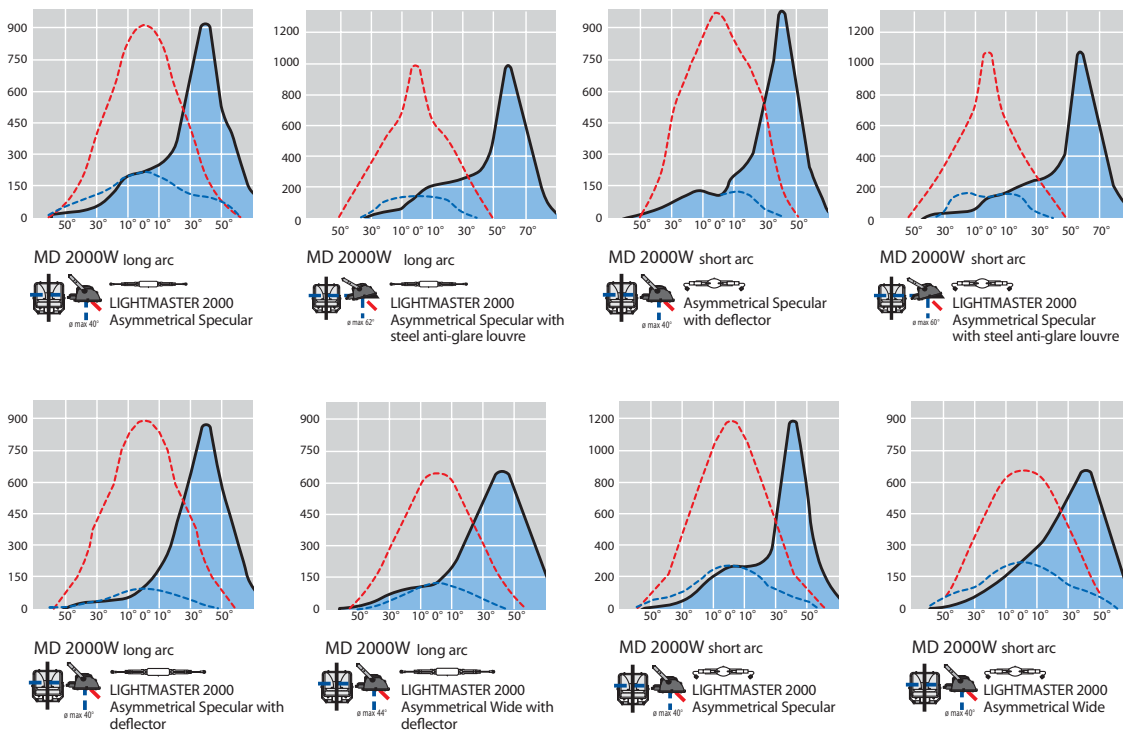


60288
Safety steel grid to be used with special glass.



60287
Steel anti-glare louvre.
Zinc plated and steel coated in black colour.

Photometric data



LIGHTMASTER 2000 Circular



Aiming

The aiming is achieved with a mechanical sighting device (a protractor scale, attached to the side of the unit and indicating the angle of tilt, can be used for pre-aiming) or for more precise aiming, a telescope 6x36 can be mounted on the sighting device (available as an opti onal extra).

Optical system

High intensity rotational reflector, made by C1, C2, C3, C4, C5, C6 for short arc lamps, C1, C2, C4 for long arc lamps. A careful study permits excellent control of the luminous flux and very high performances. The flux reflecting skirt reduce the direct glare.

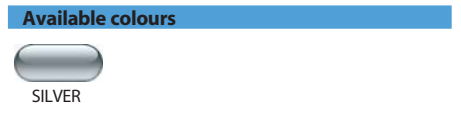
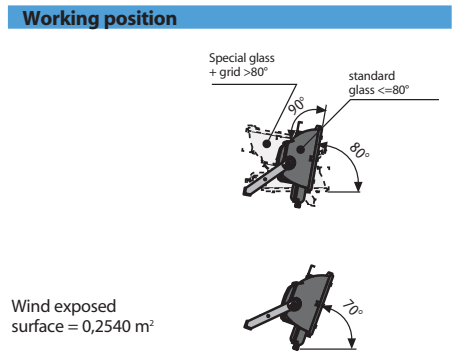
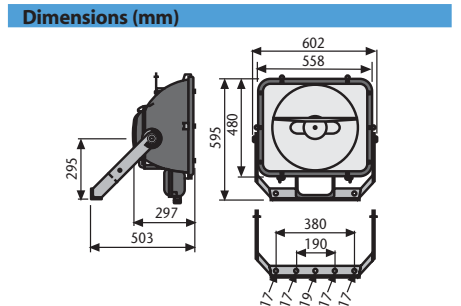
An accurate reproduction of the light distribution pattern is guaranteed by the two-point fixing of the transversely positioned lamp.

Luminaire designed for indoor and outdoor applications. The projector is ENEC certified for nominal ambient working temperature of 35°C. In case not expressly indicated, we remember that it's approved with a temperature of 25°C.

The endurance test of EN 60598-1 point 12.3 has been made at an ambient working temperature of 45°C. During the applications it's possible a temporary working at a temperature not exceeding 45°C.



Lamp	
	MD 2000W SHORT ARC
	MD 2000W LONG ARC



CL I

With two power knife switches when the cover is opened, the power supply to lampholders is directly interrupted.

CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
70061	Silver Body - circular type C1	MD (JM-TS) 2000W Osram type short arc	19,40	1	12	0,1377
70062	Silver Body - circular type C2	MD (JM-TS) 2000W Osram type short arc	19,40	1	12	0,1377
70063	Silver Body - circular type C3	MD (JM-TS) 2000W Osram type short arc	19,40	1	12	0,1377
70064	Silver Body - circular type C4	MD (JM-TS) 2000W Osram type short arc	19,40	1	12	0,1377
70065	Silver Body - circular type C5	MD (JM-TS) 2000W Osram type short arc	19,40	1	12	0,1377
70067	Silver Body - circular type C6	MD (JM-TS) 2000W Osram type short arc	19,40	1	12	0,1377
70069	Silver Body - circular type C1	MD (JM-TS) 2000W Osram type long arc	19,40	1	12	0,1377
70068	Silver Body - circular type C2	MD (JM-TS) 2000W Osram type long arc	19,40	1	12	0,1377
70070	Silver Body - circular type C4	MD (JM-TS) 2000W Osram type long arc	19,40	1	12	0,1377
70072	Silver Body - circular type C1	MD (JM-TS) 2000W Philips type long arc	19,40	1	12	0,1377
70071	Silver Body - circular type C2	MD (JM-TS) 2000W Philips type long arc	19,40	1	12	0,1377
70073	Silver Body - circular type C4	MD (JM-TS) 2000W Philips type long arc	19,40	1	12	0,1377

With one security knife switch version it is compulsory to connect the remote control switch to the poles of the terminal block inside the connection box. When the cover is opened, the remote control switch disconnects the power supply.

CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
70081	Silver Body - circular type C1	MD (JM-TS) 2000W Osram type short arc	19,40	1	12	0,1377
70082	Silver Body - circular type C2	MD (JM-TS) 2000W Osram type short arc	19,40	1	12	0,1377
70083	Silver Body - circular type C3	MD (JM-TS) 2000W Osram type short arc	19,40	1	12	0,1377
70084	Silver Body - circular type C4	MD (JM-TS) 2000W Osram type short arc	19,40	1	12	0,1377
70085	Silver Body - circular type C5	MD (JM-TS) 2000W Osram type short arc	19,40	1	12	0,1377
70087	Silver Body - circular type C6	MD (JM-TS) 2000W Osram type short arc	19,40	1	12	0,1377
70089	Silver Body - circular type C1	MD (JM-TS) 2000W Osram type long arc	19,40	1	12	0,1377
70088	Silver Body - circular type C2	MD (JM-TS) 2000W Osram type long arc	19,40	1	12	0,1377
70090	Silver Body - circular type C4	MD (JM-TS) 2000W Osram type long arc	19,40	1	12	0,1377
70092	Silver Body - circular type C1	MD (JM-TS) 2000W Philips type long arc	19,40	1	12	0,1377
70091	Silver Body - circular type C2	MD (JM-TS) 2000W Philips type long arc	19,40	1	12	0,1377
70093	Silver Body - circular type C4	MD (JM-TS) 2000W Philips type long arc	19,40	1	12	0,1377

Special restrike system is available on request only for short arc Osram lamp and for the version in insulation Class I with single security switch only.

LIGHTMASTER 2000 Circular

CL II

With two power knife switches when the cover is opened, the power supply to lampholders is directly interrupted.

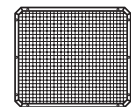
CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
70161	Silver Body - circular type C1	MD (JM-TS) 2000W Osram type short arc	19,40	1	12	0,1377
70162	Silver Body - circular type C2	MD (JM-TS) 2000W Osram type short arc	19,40	1	12	0,1377
70163	Silver Body - circular type C3	MD (JM-TS) 2000W Osram type short arc	19,40	1	12	0,1377
70164	Silver Body - circular type C4	MD (JM-TS) 2000W Osram type short arc	19,40	1	12	0,1377
70165	Silver Body - circular type C5	MD (JM-TS) 2000W Osram type short arc	19,40	1	12	0,1377
70167	Silver Body - circular type C6	MD (JM-TS) 2000W Osram type short arc	19,40	1	12	0,1377
70169	Silver Body - circular type C1	MD (JM-TS) 2000W Osram type long arc	19,40	1	12	0,1377
70168	Silver Body - circular type C2	MD (JM-TS) 2000W Osram type long arc	19,40	1	12	0,1377
70170	Silver Body - circular type C4	MD (JM-TS) 2000W Osram type long arc	19,40	1	12	0,1377
70172	Silver Body - circular type C1	MD (JM-TS) 2000W Philips type long arc	19,40	1	12	0,1377
70171	Silver Body - circular type C2	MD (JM-TS) 2000W Philips type long arc	19,40	1	12	0,1377
70173	Silver Body - circular type C4	MD (JM-TS) 2000W Philips type long arc	19,40	1	12	0,1377

ACCESSORIES AND SPARE PARTS

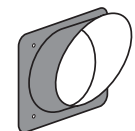
CODE	DESCRIPTION	GROSS WEIGHT (kg)	LAMP 2000W (TYPE)	CBMS
60286	Grille	1,15	-	-
60288	Safety steel grid	0,85	-	-
60285	Circular steel louvre	3,32	-	-
10240	Osram lamp short arc 5800K	0,35	HQI-TS 2000W/D/S	-
10263	Sylvania lamp short arc 5600K	0,35	HSI-TD 2000W/D	-
10239	Osram lamp long arc 4100K	0,45	HQI-TS 2000W/N/L	-
10235	Philips lamp long arc 4200K	0,45	MHN-LA 2000W 400V/842	-
10236	Philips lamp long arc 5600K	0,45	MHN-LA 2000W 400V/956	-
07130	5kV-400V ignitor	0,35	-	-
06901	Ballast	15,00	JM 2000W 10,3A 400V	0,0030
05145	Capacitor 60 µF 450V	0,25	-	-



60286
Grille.
Zinc plated and steel coated in black colour.

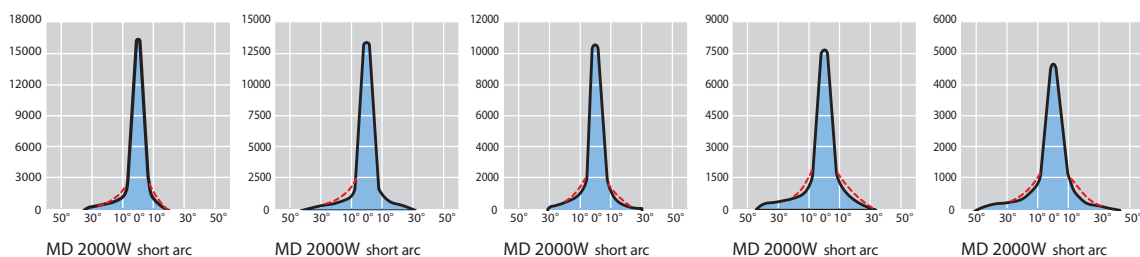


60288
Safety steel grid to be used with special glass.



60285
Circular steel louvre.
Zinc plated and steel coated in black colour.

Photometric data



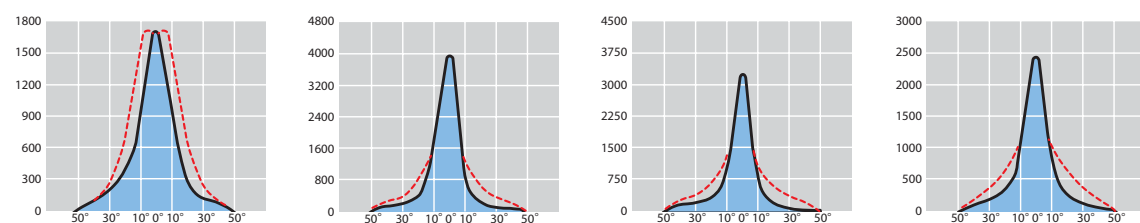
MD 2000W short arc

MD 2000W short arc

MD 2000W short arc

MD 2000W short arc

MD 2000W short arc



MD 2000W short arc

MD 2000W long arc

MD 2000W long arc

MD 2000W long arc



CABLO SERVICE

CE  IP 65

Waterproof remote control gear box Class I for lamp up to 2000W

Die cast aluminium alloy body.

Cover made by printed aluminium sheet.

Extractable plate made by steel coated with passivated zinc, for clamp of the complete control gear only for 1000 W.

Control gear box: 230V - 50Hz, for 1000W lamps
400V - 50 Hz for 2000W lamps.

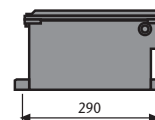
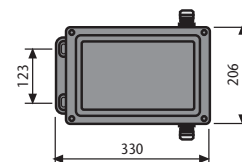
Anti-ageing gasket in silicon rubber.

Line entry hole with cable-joint PG 16 and clamp 6 mm².

Going out hole cutted screw with cable-joint PG 16 and clamp 6 mm².

Body and cover are coated with polyester powders in black and silver colour.

Dimensions (mm)



Available colours



BLACK



SILVER



CABLO SERVICE

CE IP 66

Waterproof remote control gear box Class II for 1000W and 2000W metal halide lamp

Body and cover in special thermoplastic material, high thermal resistant and high resistant to air pollution.

Line entry hole with cable gland PG 13.5.

Output lamp hole with cable gland PG 13.5.

The gear box is complete with ballast and capacitor.

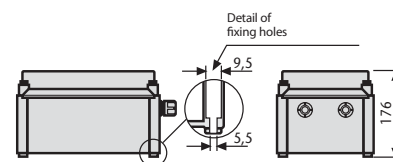
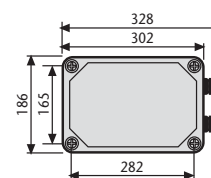
Power supply 230V 50Hz for 1000W lamps 400V 50Hz for 2000W lamps.

Suitable for 1000W and 2000W luminaires in Class II.

Nylon screw terminal clamps 4 mm².

The mounting distances between the gear box and the body can be up to 50/70 meters, as the ignitor is fitted inside the rear housing of the luminaire.

Dimensions (mm)



CABLO SERVICE

CL I

CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
60306 ●	CR	M (JM) 1000W Philips type - Black colour	11,02	1	-	0,0151
60406 ●	CR	M (JM) 1000W Philips type - Silver colour	11,02	1	-	0,0151
60304 ▼	CR	M (JM) 1000W Osram type - Black colour S (SAP) 1000W	14,50	1	-	0,0151
60404 ▼	CR	M (JM) 1000W Osram type - Silver colour S (SAP) 1000W	14,50	1	-	0,0151
60309 ■	CR	M (JM) 1000W Osram type - Black colour S (SAP) 1000W 9,3A MASTER MHN-LA 1000W 230V/842 Philips type 9,3A MASTER MHN-LA 1000W 230V/956 Philips type 9,5A HQI-TS 1000W/D/S Osram type 9,5A HQI-TS 1000W/NDL/S Osram type	14,90	1	-	0,0151
60409 ■	CR	M (JM) 1000W Osram type - Silver colour S (SAP) 1000W 9,3A MASTER MHN-LA 1000W 230V/842 Philips type 9,3A MASTER MHN-LA 1000W 230V/956 Philips type 9,5A HQI-TS 1000W/D/S Osram type 9,5A HQI-TS 1000W/NDL/S Osram type	14,90	1	-	0,0151
60303 ■	CR	M (JM) 2000W - Silver colour 11,3A MASTER MHN-SA 2000W 400V/856 Philips type 11,3A MASTER MHN-SA 2000W 400V/956 Philips type 10,3A MASTER MHN-LA 2000W 400V/956 Philips type 10,3A MASTER MHN-LA 2000W 400V/842 Philips type 11,3A HQI-TS 2000W/D/S 400V Osram type 10,7A HQI-TS 2000W/N/L 400V Osram type 10,3A HQI-T 2000W/D/I 400V E40 Osram type	20,50	1	-	0,0151
60323 ■	CR	M (JM) 2000W - Silver colour 8,8A - HQI - T 2000W/N 400V Osram type 2000W/N/E/SUPER ask for ignitor cod. 07130 separately 8,6A - HPI - T 2000W 400V Philips type ask for ignitor cod. 05146 separately	20,20	1	-	0,0151
60324 ▲	CR	M (JM) 2000W - Silver colour 8,6A - HPI - T 2000W 400V Philips type	20,50	1	-	0,0151

CL II

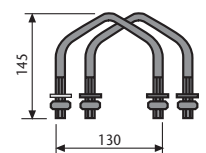
CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
60395 ■	CR	M (JM) 1000W 9,3A MASTER MHN-LA 1000W 230V/842 Philips type 9,3A MASTER MHN-LA 1000W 230V/956 Philips type 9,5A HQI-TS 1000W/D/S Osram type 9,5A HQI-TS 1000W/NDL/S Osram type	13,00	1	-	0,0147
60382 ■	CR	M (JM) 2000W 11,3A MASTER MHN-SA 2000W 400V/856 Philips type 11,3A MASTER MHN-SA 2000W 400V/956 Philips type 10,3A MASTER MHN-LA 2000W 400V/956 Philips type 10,3A MASTER MHN-LA 2000W 400V/842 Philips type 11,3A HQI-TS 2000W/D/S 400V Osram type 10,7A HQI-TS 2000W/N/L 400V Osram type	21,20	1	-	0,0147

- With pulse ignitor (1,2 KV) - Max distance from floodlight m 35
- ▼ With super imposed ignitor max distance from floodlight m 1,5
- Without ignitor - The fitting needs ignitor Cod. 00878 for MH 1000W - Osram and for all HPS 1000W lamps
- ▲ With pulse ignitor (1,2 KV - 400V)

ACCESSORIES AND SPARE PARTS

CODE	DESCRIPTION	GROSS WEIGHT (kg)	PACKING (pcs.)	LAMP (TYPE)	CBMS
60214	Clamps for CABLO SERVICE CL I	0,40	1	-	0,0010
00878	4 KV ignitor	0,21	1	M 1000 Osram	-
04644	1,2 KV ignitor for 1000W Philips lamp	0,08	1	M 1000 Philips	-
05146	1,2 KV - 400V ignitor for 2000W Philips lamp	0,1	1	M 2000 Philips	-
60147*	Empty gear box - Black colour	3,56	1	-	0,0192
60447*	Empty gear box - Silver colour	3,56	1	-	0,0192
05145	Capacitor 60 µF 450V	0,250	1	-	-
05144	Capacitor 40 µF 450V	0,250	1	-	-

* For 1000W and for extra European countries only



60214
Clamps for pole fixing
70-100 Ø

POLE CABLE SERVICE

CE IP 55

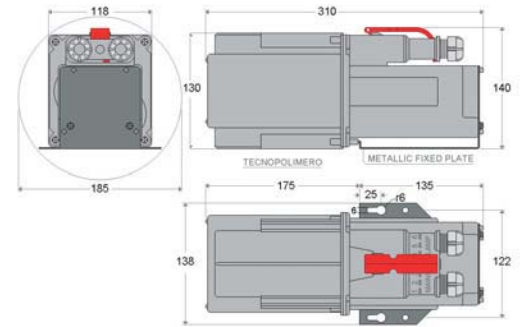
Waterproof pole cable service Class I

Waterproof gear box particularly compact for installation inside the poles.
Extruded aluminium body with headers in special thermoplastic material.

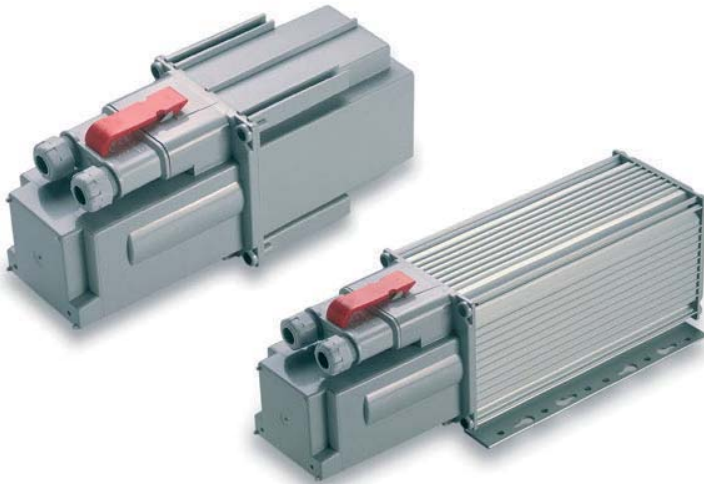
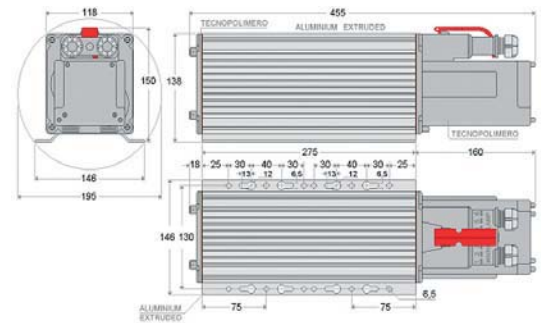
Inlet of the power supply line with cable gland PG 16.
Outlet to the lamp with cable gland PG 16.
Power supply 230V 50Hz, lamps for 1000W.
400V - 50 Hz, lamps for 2000W.

Dimensions (mm)

Cable Service 1000W



Cable Service 2000W



CL I

CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
60391 ●	CR	M (JM) 1000W Philips type	9,6	1	-	0,007
60390 ■	CR	M (JM) 1000W Osram type S (SAP) 1000W	11,6	1	-	0,007
60386 ■	CR	M (JM) 2000W 11,3A MASTER MHN-SA 2000W 400V/856 Philips type 11,3A MASTER MHN-SA 2000W 400V/956 Philips type 10,3A MASTER MHN-LA 2000W 400V/956 Philips type 10,3A MASTER MHN-LA 2000W 400V/842 Philips type 11,3A HQI-TS 2000W/D/S 400V Osram type 10,7A HQI-TS 2000W/N/L 400V Osram type 10,3A HQI-T 2000W/D/I 400V E40 Osram type	16	1	-	0,12
60385 ■	CR	M (JM) 2000W 8,8A - HQI - T 2000W/N 400V Osram type 2000W/N/E/SUPER ask for ignitor cod. 07130 separately 8,6A - HPI - T 2000W 400V Philips type ask for ignitor cod. 05146 separately	16	1	-	0,12

- With pulse ignitor (1,2 KV) - Max distance from floodlight m 35
- Without ignitor - The fitting needs ignitor Cod. 00878 for MH 1000W - Osram and for all HPS 1000W lamps.

OKAY 500



Halogen floodlight 230V - 500W

Die-cast aluminium body.
Reflector made of peened aluminium sheet, characterized by a high purity degree. Polished, brightened and oxidized.
Tempered front safety glass.
Silicon rubber gaskets.
R7s-15 lampholder with insulated connecting cables resistant to high temperature.

Stainless steel screws.
Black polyester connection box, complete with three-pole terminal block.
Steel fixing bracket.
Body and fitting finish: polyester powder coated.

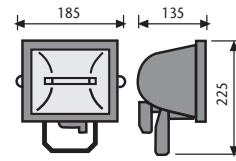
Recommended installation height: 3-7mt.
Recommended mounting distance: not less than 1 mt.



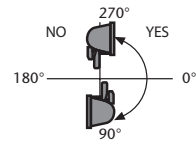
Lamp

HD 100-200-300-400-500W R7s

Dimensions (mm)



Working position



Available colours



CLI

CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
30094	Black	Halogen max 500W	1,42	6	276	0,00735
30195	White	Halogen max 500W	1,42	6	276	0,00735
30098	Silver	Halogen max 500W	1,42	6	276	0,00735

ACCESSORIES AND SPARE PARTS

CODE	DESCRIPTION	GROSS WEIGHT (kg)	PACKING (pcs.)	COLOUR	CBMS
60189	Louvre	0,27	1	Black	0,00015
60158	Grille	0,18	1	Black	0,0004
01558	Glass	0,25	-	-	-
60207	Bracket	0,732	1	Black	0,0137
60209	Stand	2,4	1	Black	0,0120



60189
Adjustable steel louvres for luminous flux control. Zinc plated and steel coated in black colour.



60158
Steel protection grille. Zinc plated and steel coated in black colour.

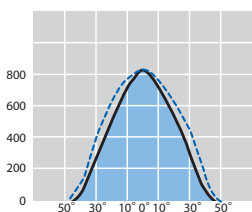


60207
Extension arm.: length 1000 mm diameter 20 mm Zinc plated and steel coated in black colour.



60209
Stand
Expandable up to max cm 190 height

Photometric data



OKAY 500
HD 500W R7s

Movable version of the widely approved Fael Luce halogen floodlight Light Versatile Adjustable floodlight

Technical features:
IP 55 protection.

Max power 500W - 250V.

500W halogen lamp with R7s-15 connection included.

Protection grille included.

Rubber power supply cable 3 x 1,5 mmq.

Polyester powder coated harness and support complete with insulated carrying handle.

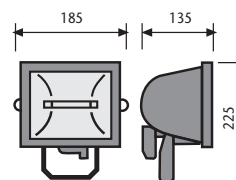
Stainless steel screws.

Fitting supplied completely assembled and ready for use; the supply cable must be connected to a waterproof plug IP 55 or to a waterproof switch-board IP 55.

Lamp

 HD 100-200-300-400-500W R7s

Dimensions (mm)



Available colours



BLACK



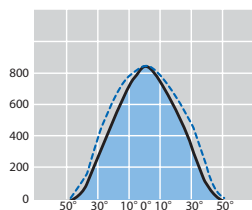
CLI

CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
30300	Floodlight	HD-max 500W	2,56	1	96	0,0213

ACCESSORIES AND SPARE PARTS

CODE	DESCRIPTION	GROSS WEIGHT (kg)	PACKING (pcs.)	COLOUR	CBMS
01558	Glass	0,25	-	-	-

Photometric data



OKAY 1000



Halogen floodlight 230V - 1000W

Die-cast aluminium body and frame.
Reflector made of peened aluminium sheet, characterized by a high purity degree, polished, brightened and oxidized.
Tempered front safety glass.
Silicon rubber gaskets.
R7s-15 lampholder with insulated connecting cables resistant to high temperature.

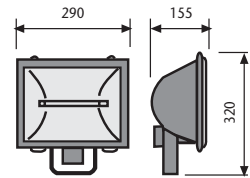
Stainless steel screws
Black polyester connection box complete with three-pole terminal block.
Fixing bracket.
Body and fitting finish polyester powder coated in black colour.

Recommended installation height: 4-10 mt.
Recommended mounting distance not less than 1,8 mt.

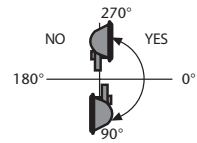
Lamp

HD 1000W R7s

Dimensions (mm)



Working position



Available colours



CLI

CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
30101	Floodlight	Halogen 1000W	2,96	1	96	0,0173

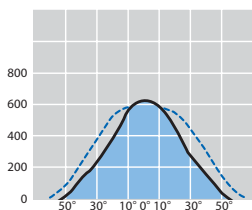
ACCESSORIES AND SPARE PARTS

CODE	DESCRIPTION	GROSS WEIGHT (kg)	PACKING (pcs.)	COLOUR	CBMS
60165	Grille	0,29	1	Black	-
01751	Glass	0,79	-	-	-



60165
Steel protection grille.
Zinc plated and steel coated in black colour.

Photometric data



OKAY 1000
HD 1000W R7s

OKAY 1500



Halogen floodlight 230V - 1500W

Die-cast aluminium body and frame.
Reflector made of peened aluminium sheet, characterized by a high purity degree. Polished, brightened and oxidized.
Tempered front safety glass.
Silicon rubber gaskets.
R7s-15 lampholder with insulated connecting cables resistant to high temperature.

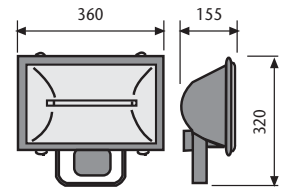
Stainless steel screws
Black polyester connection box, complete with three-pole terminal block.
Steel fixing bracket.
Body and fitting finish polyester powder coated in black colour.

Recommended installation height: 5-12 mt.
Recommended mounting distance not less than 1,8 mt.

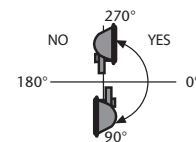
Lamp

HD 1500W R7s

Dimensions (mm)



Working position



Available colours



BLACK



CLI

CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
30105	Floodlight	Halogen 1500W	3,66	1	84	0,0200

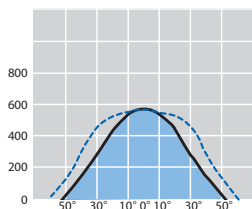
ACCESSORIES AND SPARE PARTS

CODE	DESCRIPTION	GROSS WEIGHT (kg)	PACKING (pcs.)	COLOUR	CBMS
60177	Grille	0,35	1	Black	-
02301	Glass	0,95	-	-	-



60177
Steel protection grille.
Zinc plated and steel coated in black colour.

Photometric data



UFO



Halogen floodlight 230V - 200W

Die cast aluminium body polyester powder coated in black/white colours.

Reflector made of highly pure, pressed aluminium sheet, polished and oxidized.

Tempered front safety glass.

R7s -15 ceramic lampholder with silicon rubber insulated cables.

Connector box constructed in thermoplastic fibre glass injected resin, complete with terminal block and gasket.

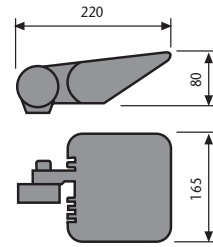


Lamp

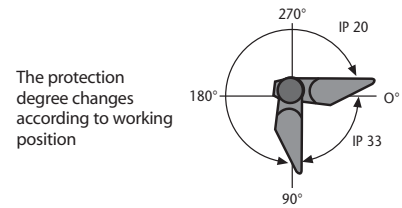


HD 200W R7s

Dimensions (mm)



Working position



The protection degree changes according to working position

Available colours

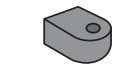


CLI

CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
30077	White with glass	HD max 200W	0,85	12	480	0,0033
30079	Black with glass	HD max 200W	0,85	12	480	0,0033
30090	Silver with glass	HD max 200W	0,85	12	480	0,0033

ACCESSORIES AND SPARE PARTS

CODE	DESCRIPTION	GROSS WEIGHT (kg)	PACKING (pcs.)	COLOUR	CBMS
60117	Base	0,16	6	Black	0,0004
60134	Base	0,16	6	White	0,0004
60136	Base	0,05	12	White	0,00036
60114	Base	0,05	12	Black	0,00036
60125	Bracket	0,1	12	White	-
60115	Bracket	0,1	12	Black	-
60120	Arm mm 500	0,45	6	White	0,0038
60116	Arm mm 500	0,45	6	Black	0,0038
60123	Arm mm 1.000	0,45	6	White	0,0038
60124	Arm mm 1.000	0,45	6	Black	0,0038
60330	Cup	0,17	1	White	-
60332	Cup	0,17	1	Black	-
00086	Safety glass	0,58	-	-	-



60117 - 60134
Base



60114 - 60136
Base



60115 - 60125
Bracket

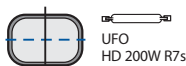
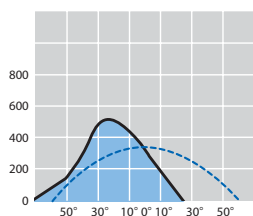


60120 - 60116
Arm 500 mm
60123 - 60124
Arm 1000 mm



60330 - 60332
Arm with cup

Photometric data



FALCO



Asymmetric halogen Floodlight 230V - 500W

Die cast aluminium body and frame

Polyester powder coated.

Silicon rubber sealing gasket and stainless steel retaining clip.

Reflector made of high purity aluminium, polished and oxidized.

Transparent and diapered tempered safety glass.

Black fixing base, complete with three-pole terminal block and cable gland, black colour.

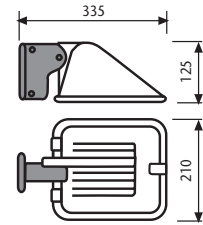
Stainless steel screws.

R7s porcelain lampholder with teflon insulated wiring.

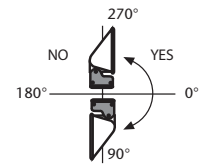
Adjustable on a 90° vertical plane.

Lamp
HD max 500W R7s

Dimensions (mm)



Working position



Available colours

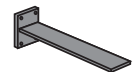


CLI

CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
30137	White	Halogen max 500W	2,14	6	120	0,0126
30062	Black	Halogen max 500W	2,14	6	120	0,0126

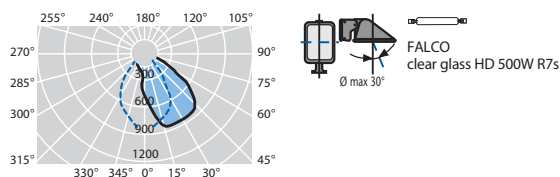
ACCESSORIES AND SPARE PARTS

CODE	DESCRIPTION	GROSS WEIGHT (kg)	PACKING (pcs.)	COLOUR	CBMS
60138	Bracket	1,8	1	Black	-
69013	Complete unmounted base	0,12	-	-	-
00499	Glass	0,58	-	-	-



60138
Bracket Length 600 mm
Ideal for lighting shop-windows.
Zinc plated and steel coated in black colour.

Photometric data



FALCO DAY

CE IP 55

Asymmetrical projector for discharge 70W and 150W metal halide/ high pressure sodium lamp RX7s lampholder (to be matched with the power supply box).

Beyond the conventional metal halide lamps with hot or cold light, these projectors are consistent with the mounting of the innovative lamps with discharge pipe made of ceramics. These luminous sources offer technical and lightning characteristics much higher as regards the constancy, the colours and the luminous efficiency during the whole life of the lamp itself.

Body and cover made in die cast aluminium, painted with polyester powders colour black, white and silver.

Silicon rubber gasket.

Closing hook made of stainless steel.

Reflector made of pure aluminium polished and anodised.

Fixing header with tripolar terminal clamp and with cable lock, colour black.

Transparent front crystal.

Rx7s porcelain lampholder with silicon insulated cables.

It can be oriented on the vertical plane of 90°.

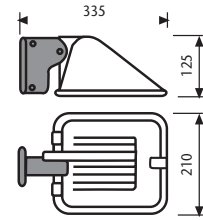
Projector to be connected to the power supply box suitable for the installed lamp.



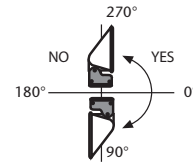
Lamp

	MD (JM-TS) RX7s 70-150W
	SD (SAP-TS) RX7s 70-150W

Dimensions (mm)

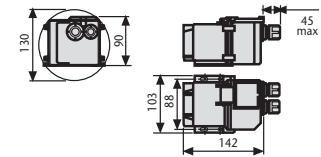


Working position

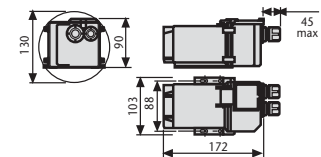


IP 66

Falco gear box 70W



Falco gear box 150W

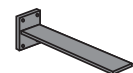


CLI

CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
30141	White	MD (JM-TS) - SD (SAP-TS) 70W	2,05	1	120	0,0118
30142	Black	MD (JM-TS) - SD (SAP-TS) 70W	2,05	1	120	0,0118
30144	Silver	MD (JM-TS) - SD (SAP-TS) 70W	2,05	1	120	0,0118
30115	White	MD (JM-TS) - SD (SAP-TS) 150W	2,13	1	120	0,0118
30116	Black	MD (JM-TS) - SD (SAP-TS) 150W	2,13	1	120	0,0118
30118	Silver	MD (JM-TS) - SD (SAP-TS) 150W	2,13	1	120	0,0118
60169	GEAR BOX M-S CR 70W					
60168	GEAR BOX M-S CR 150W					

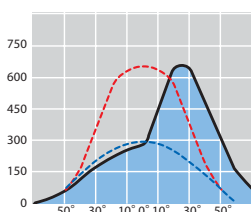
ACCESSORIES AND SPARE PARTS

CODE	DESCRIPTION	GROSS WEIGHT (kg)	PACKING (pcs.)	COLOUR	CBMS
60138	Bracket	1,8	1	Black	-
01340	Base	0,12	-	-	-
00499	Glass	0,58	-	-	-



60138
Bracket Length 600 mm
Ideal for lighting shop-windows.
Zinc plated and steel coated in black colour.

Photometric data



SPOT FLOOD AN - CN

CE  IP 54

Spot for par 38 lamp - 230V

Body made of die cast aluminium polyester powder coated.

AN type: base made in thermoplastic material.

CN type: point made in galvanized steel sheet painted with polyester powders, complete with rubber supply cable 3x1 mmq.; length 2 m.

Black colour.

Empty bodies E27 lamp.

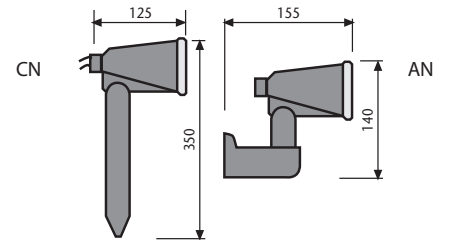


Lamp



IPAR 38 MAX 120W
Osram/Philips type E27

Dimensions (mm)



Available colours



BLACK

CLI

CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (Kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
50200	SPOT AN	I PAR 38 Max 120W	0,45	6	-	0,0024
50203	SPOT CN	I PAR 38 Max 120W	0,69	6	-	0,0035

Aesthetics and rationality' result

The innovative value of the Yes Show range is setting out by bright sign of design and a higher technical contents that it provides the new range of high bay luminaires to the top of the market. It's suitable for external and internal type of installations.

The R&D department continuously monitor not only industrial design or aesthetic parameters

but it could extended their best attitudes to a widely range of fitting for any professional lighting environments. As a single industrial shell, sport courts to the shopping malls are providing excellent solutions with a right light beam.

The superb flexibility of installations in a unique body is the result by confirming historic experience of the whole Technical Staff.



YES SHOW 600 Refractor



YES SHOW 600 Semi Refractor



The electrical compartment is made for install all components by enclosed a wider range of over-all dimension aluminium reflectors in different raw materials.

YES is suitable for use with discharge lamp up to 400 W. Body is made with a wide cooling fins in die-cast recyclable aluminium alloy and finished with powder coat paint in grey colour.

Lampholder E40 is made of porcelain and mounted onto a regulation device which allows the reflector to emit six different distribution patterns.

A mechanical block assure the right position.

Gaskets is in anti-aging weather resistant silicon rubber. The power supply enters through a PG 13,5 cable gland. The electrical components are fixed on an easy removable wired control gear

plate made in zinc coated galvanized steel.

A suspension eyebolt is located on the top of the gear housing for the vertical attachment.

The YES Show devices have been specifically designed for easy installation and maintenance. During mounting and maintenance, no moving parts are present between the reflector and the wired part.

Upon request, we can provide the SAFE type execution with electronic switching device which can supply power to an auxiliary halogen lamp E27 type HALOLUX CERAM or HALOLUX BT (max power 150W).

The auxiliary lamp switches automatically on when the system is off.

All electrical components are certified with ENEC mark; 230V, 50Hz.

YES **SHOW** Refractor/Semi-refractor



A new modern optic design is made up of an anodised and polished high purity aluminium **reflector** externally painted with powder in silver colour and a PMMA or self-extinguish polycarbonate V2 **refractor**. The outstanding optical performance is a unique and effective feature which helps bring light where it is most needed. The optics are available in two different versions:





- semi-refractor (thermoplastic band: height 178 mm).
- refractor (thermoplastic band: height 309 mm).

External diameter 600 mm.
Tempered glass suitable for high temperature and thermal shock fixed in position by stainless steel

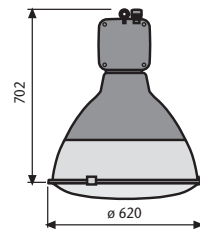
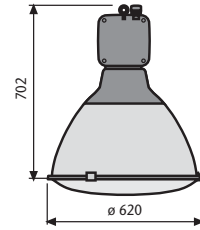
hooks provided with security lock and prismatic lens made of PMMA or self-extinguishing polycarbonate V2 with internal prism to improve the control light beam distribution.

The bodies are supplied with electrical supply unit. The refractors and protection shield, are to be ordered separately. **Refractors and protection lens are packaged in a box 5 pieces/each.** Up to 250W the fittings are "D" marked, in accordance with EN 60598-2-24 "Luminaires with limited surface temperatures".

Recommended mounting height: from 4 to 12 meters.

Lamp	
	QB (self ballasted) E40 max 500W
	ME (JM) SE (SAP) QE (MBF) E40 max 400W
	FLC GX24-q6 70W
	FLC 2G8 60 - 85 - 120W

Dimensions (mm)



CLI

CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	CBMS
59265	Body - not adjustable E40 lampholder	QB (self ballasted) max 500W	3,30	1	0,0166
59101	Body not adjustable E40 lampholder	QE (MBF) 250W	5,65	1	0,0166
59102	Body not adjustable E40 lampholder	QE (MBF) 400W	6,65	1	0,0166
59103	Body not adjustable E40 lampholder	M-S (JM-SAP) 150W	5,65	1	0,0166
59104*	Body not adjustable E40 lampholder	M-S (JM-SAP) 250W	6,75	1	0,0166
59106	Body not adjustable E40 lampholder	M (JM) 250W Philips type HPI BU PLUS	5,75	1	0,0166
59107	Body not adjustable E40 lampholder	M (JM) 400W Philips type HPI BU PLUS	6,75	1	0,0166
59108**	Body not adjustable E40 lampholder	M (JM) 250W Philips type HPI BU PLUS with ballast for HPS	6,75	1	0,0166
59266	Body - adjustable 4 pos. E 40 lampholder	QB (self ballasted) 500W	3,40	1	0,0166
59152	Body adjustable 4 pos. E 40 lampholder	QE (MBF) 400W	6,75	1	0,0166
59157	Body adjustable 4 pos. E 40 lampholder	M(JM) 400W Philips type HPI BU PLUS	6,85	1	0,0166
59267	Body - adjustable 6 pos. E 40 lampholder	QB (self ballasted) 250W	3,40	1	0,0166
59151	Body adjustable 6 pos. E 40 lampholder	QE (MBF) 250W	5,75	1	0,0166
59153	Body adjustable 6 pos. E 40 lampholder	M-S (JM-SAP) 150W	5,75	1	0,0166
59154*	Body adjustable 6 pos. E 40 lampholder	M-S (JM-SAP) 250W	6,85	1	0,0166
59156	Body adjustable 6 pos. E 40 lampholder	M (JM) 250W Philips type HPI BU PLUS	5,85	1	0,0166
59158**	Body adjustable 6 pos. E 40 lampholder	M (JM) 250W Philips type HPI BU PLUS with ballast for HPS	6,85	1	0,0166
59254	Body adjustable 6 pos. GX24-q6	FLC 70W	3,55	1	0,0166
59257	Body adjustable 6 pos. 2G8 lampholder	FLC 120W Osram type	3,65	1	0,0166
59255	Body adjustable 6 pos. 2G8 lampholder	FLC 60-85-120W Philips type	3,65	1	0,0166
60550	PMMA semi-refractor		2,28	5	0,051
60555	PMMA refractor		2,68	5	0,051
60563	Polycarbonate semi-refractor		2,32	5	0,051
60567	Polycarbonate refractor		2,72	5	0,051
60580	PMMA lens		1,70	5	0,016
60585	Polycarbonate lens		1,77	5	0,016
60575	Glass		3,27	5	0,0117

* Suitable for MH lamps Osram type, see lamps technical specifications.

** 250W: Luminous flux 25.500 lumen – 3800° K.

ACCESSORIES AND SPARE PARTS

CODE	DESCRIPTION	GROSS WEIGHT (kg)	PACKING (pcs.)	COLOUR	CBMS
60605*	Grille	0,64	5	Silver	0,0065
60354	Anti-vibrations support	0,50	-	-	-

* Suitable for glass only.



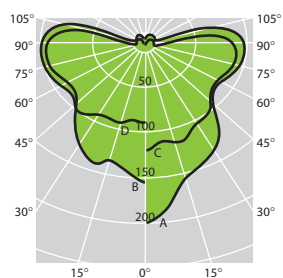
60605
Grille. Zinc plated and steel coated in silver colour.



60354
Anti-vibrations support. Zinc plated and steel coated in black colour.

Photometric data

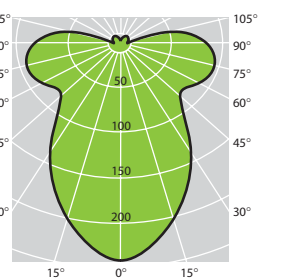
YES SHOW 600 Refractor



ME (JM-E) 400W - E 40



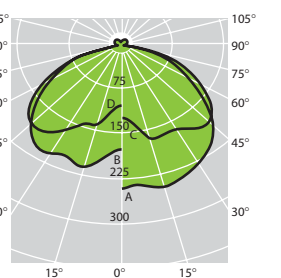
YES SHOW 600 Refractor



ME (JM-E) 400W - E 40



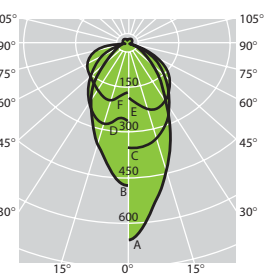
YES SHOW 600 Semi-Refractor



ME (JM-E) 400W - E 40



YES SHOW 600 Semi-Refractor



ME (JM-E) 250W - E 40





YES SHOW
425



YES SHOW
TECH 425



YES SHOW
450



YES SHOW
500

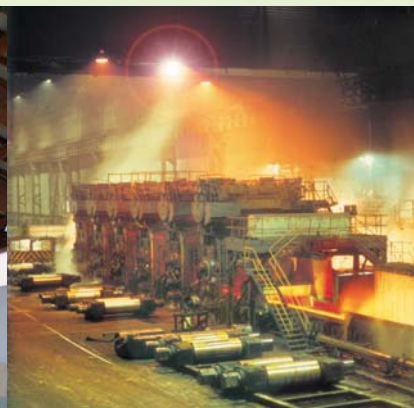


YES SHOW
560



YES SHOW
600

A touch of flexibility



Following a simple and bright solutions the Yes Show is suitable for multiply applications.

The body is made from die-cast aluminium alloy with a degree of protection IP 66.

It can accomodate the latest generation of discharge lamps assuring the high value of rendering, a saving energy and maximum light efficiency. By changing the aluminium reflectors the **Yes Show** may have one of widest spectrum of installations.

YES SHOW is suitable for use with discharge lamp up to 400W. Body is made with a wide cooling fins in die-cast recyclable aluminium alloy and finished with powder coat paint in silver colour. Lampholders E40, E27, G12, G22 are made of porcelain for discharge lamps and is in thermo-plastic for fluorescent lamp;

Tempered Glass suitable for high temperature and thermal shock fixed in position by stainless steel hooks with security lock. Gaskets is in anti-aging weather resistant silicon rubber.

The power supply enters through a PG 13,5 cable gland.

The electrical components are fixed on an easy removable wired control gear plate made in zinc coated galvanized steel.

A suspension eyebolt is located on the top of the gear housing for the vertical attachment.

The YES Show devices have been specifically designed for easy installation and maintenance.

During mounting and maintenance, no moving parts are between the reflector and the wired part. Upon request, we can provide the SAFE type execution with electronic switching device which can supply power to an auxiliary halogen lamp E27 type HALOLUX CERAM or HALOLUX BT (max power 150W).

The auxiliary lamp switches automatically on when the system is off.

All electrical components are certified with ENEC mark; 230V, 50Hz.

YES SHOW 425

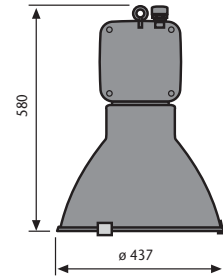


Reflector is in high-gloss or polished anodised high purity aluminium and has been designed for efficiently control light medium beam.
External diameter 425 mm.
The fixtures for up to 250W lamps, restricted for some adjustment, are getting over a shield angle lamp such as $\geq 15^\circ$ provides an efficiently anti glare solutions.
For further information, please see the enclosed user manual.

The device are supplied with electrical supply unit.
The Reflector and tempered glass, are to be ordered separately.
Reflectors and glasses are packaged in a box 5 of pieces/each.
Up to 250W the fittings are "D" marked, in accordance with EN 60598-2-24 "Luminaires with limited surface temperatures".
Recommended mounting height: from 4 to 12 meters.

Lamp	
	QB (self ballasted) E40 max 500W
	ME (JM) - SE (SAP) - QE (MBF) E40 max 400W
	SE (SAP) E27 70W
	ME (JM) E27 70W
	MC (JM) E27 150W
	MT (JM) G12 70 - 150 - 250W
	MT (JM) G22 250W
	FLC GX24-q6 70W
	FLC 2G8 60 - 85 - 120W

Dimensions (mm)



CL I

CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	CBMS
59265	Body - not adjustable E40 lampholder	QB (self ballasted) max 500W	3,30	1	0,0166
59101	Body not adjustable E40 lampholder	QE (MBF) 250W	5,65	1	0,0166
59102	Body not adjustable E40 lampholder	QE (MBF) 400W	6,65	1	0,0166
59103	Body not adjustable E40 lampholder	M-S(JM-SAP) 150W	5,65	1	0,0166
59104*	Body not adjustable E40 lampholder	M-S(JM-SAP) 250W	6,75	1	0,0166
59105*	Body not adjustable E40 lampholder	M-S(JM-SAP) 400W	8,05	1	0,0166
59106	Body not adjustable E40 lampholder	M(JM) 250W Philips type HPI BU PLUS	5,75	1	0,0166
59107	Body not adjustable E40 lampholder	M(JM) 400W Philips type HPI BU PLUS	6,75	1	0,0166
59108**	Body not adjustable E40 lampholder	M(JM) 250W Philips type HPI BU PLUS with ballast for HPS	6,75	1	0,0166
59109**	Body not adjustable E40 lampholder	M(JM) 400W Philips type HPI BU PLUS with ballast for HPS	8,05	1	0,0166
59251	Body not adjustable E40 lampholder	FLC 60-85-120W Philips type	3,55	1	0,0166
59267	Body - adjustable 6 pos. E 40 lampholder	QB (self ballasted) 250W	3,40	1	0,0166
59151	Body adjustable 6 pos. E 40 lampholder	QE (MBF) 250W	5,75	1	0,0166
59153	Body adjustable 6 pos. E 40 lampholder	M-S(JM-SAP) 150W	5,75	1	0,0166
59154*	Body adjustable 6 pos. E 40 lampholder	M-S(JM-SAP) 250W	6,85	1	0,0166
59156	Body adjustable 6 pos. E 40 lampholder	M(JM) 250W Philips type HPI BU PLUS	5,85	1	0,0166
59158**	Body adjustable 6 pos. E 40 lampholder	M(JM) 250W Philips type HPI BU PLUS with ballast for HPS	6,85	1	0,0166
59163	Body adjustable 6 pos. E27 lampholder	M(JM) 150W	5,65	1	0,0166
59162	Body adjustable 6 pos. G12 lampholder	M(JM) 150W	5,65	1	0,0166
59254	Body adjustable 6 pos. GX24-q6	FLC 70W	3,55	1	0,0166
59257	Body adjustable 6 pos. 2G8 lampholder	FLC 120W Osram type	3,65	1	0,0166
60501	Polished reflector		0,95	5	0,0215
60505	High-gloss reflector		0,95	5	0,0215
60357	Glass		1,792	5	0,0067

* Suitable for MH lamps Osram type, see lamps technical specifications.

** 250W: Luminous flux 25.500 lumen - 3800° K; 400W: Luminous flux 42.500 lumen - 3800° K.

YES SHOW Tech425



Reflector is in high-gloss or polished anodised high purity aluminium and has been designed for efficiently control light medium beam. External diameter 425 mm.



The fixture for up to 250W lamps, are getting over a shield angle lamp such as $\geq 15^\circ$ provides an efficiently anti glare solutions. For further information, please see the enclosed user manual.

YES SHOW package is completed by body, reflector and tempered glass in a unique single box.

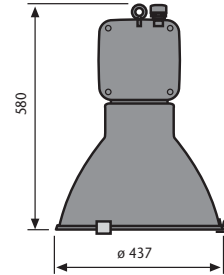
Up to 250W the fittings are "D" marked, in accordance with EN 60598-2-24 "Luminaires with limited surface temperatures".

Recommended mounting height: from 4 to 12 meters.

Lamp

	QB (self ballasted) E40 max 500W
	ME (JM) - SE (SAP) - QE (MBF) E40 max 400W

Dimensions (mm)



CL I

CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
Polished reflector						
59550	YES SHOW TECH	QB (self ballasted) max 500W	6,91	1	12	0,132
59501	 YES SHOW TECH	QE (MBF) 250W	9,26	1	12	0,132
59502	 YES SHOW TECH	QE (MBF) 400W	10,26	1	12	0,132
59503	 YES SHOW TECH	M-S (JM-SAP) 150W	9,26	1	12	0,132
59504*	 YES SHOW TECH	M-S (JM-SAP) 250W	10,36	1	12	0,132
59505*	 YES SHOW TECH	M-S (JM-SAP) 400W	11,66	1	12	0,132
59506	 YES SHOW TECH	M (JM) 250W Philips type HPI BU PLUS	9,50	1	12	0,132
59507	 YES SHOW TECH	M (JM) 400W Philips type HPI BU PLUS	10,50	1	12	0,132
59508**	 YES SHOW TECH	M (JM) 250W Philips type HPI BU PLUS 1 with ballast for HPS	0,50	1	12	0,132
59509**	 YES SHOW TECH	M (JM) 400W Philips type HPI BU PLUS with ballast for HPS	11,80	1	12	0,132
High-gloss reflector						
59560	YES SHOW TECH/S	QB (self ballasted) max 500W	6,91	1	12	0,132
59531	 YES SHOW TECH/S	QE (MBF) 250W	9,26	1	12	0,132
59532	 YES SHOW TECH/S	QE (MBF) 400W	10,26	1	12	0,132
59533	 YES SHOW TECH/S	M-S (JM-SAP) 150W	9,26	1	12	0,132
59534*	 YES SHOW TECH/S	M-S (JM-SAP) 250W	10,36	1	12	0,132
59535*	 YES SHOW TECH/S	M-S (JM-SAP) 400W	11,66	1	12	0,132
59536	 YES SHOW TECH/S	M (JM) 250W Philips type HPI BU PLUS	9,50	1	12	0,132
59537	 YES SHOW TECH/S	M (JM) 400W Philips type HPI BU PLUS	10,50	1	12	0,132
59538**	 YES SHOW TECH/S	M (JM) 250W Philips type HPI BU PLUS with ballast for HPS	10,50	1	12	0,132
59539**	 YES SHOW TECH/S	M (JM) 400W Philips type HPI BU PLUS with ballast for HPS	11,80	1	12	0,132

* Suitable for MH lamps Osram type, see lamps technical specifications.

** 250W: Luminous flux 25.500 lumen – 3800° K; 400W: Luminous flux 42.500 lumen – 3800° K.

YES SHOW 450



Reflector is in polished anodised high purity aluminium and has been designed for an high lighting performance and is suitable for high installation position. External Diameter 450 mm.

The fixtures for up to 250W lamps, restricted for some adjustment, are getting over a shield angle lamp such as $\geq 15^\circ$ provides an efficiently anti glare solutions.

For further information, please see the enclosed user manual. The device are supplied with electrical supply unit.

The Reflector and tempered glass, are to be ordered separately.

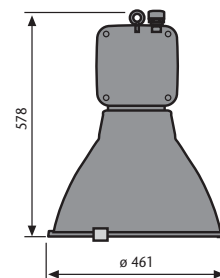
Reflectors and glasses are packaged in a box 5 of pieces/each.

Up to 250W the fittings are "D" marked, in accordance with EN 60598-2-24 "Luminaires with limited surface temperatures".

Recommended mounting height: from 4 to 12 meters.

Lamp	
	QB (self ballasted) E40 max 500W
	ME (JM) - SE (SAP) - QE (MBF) E40 max 400W
	SE (SAP) E27 70W
	ME (JM) E27 70W
	MC (JM) E27 150W
	MT (JM) G12 70-150-250W
	MT (JM) G22 250W
	FLC GX24-q6 70W
	FLC 2G8 60 - 85 - 120W

Dimensions (mm)



CL I

CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	CBMS
59265	Body - not adjustable E40 lampholder	QB (self ballasted) max 500W	3,30	1	0,0166
59101	Body not adjustable E40 lampholder	QE (MBF) 250W	5,65	1	0,0166
59102	Body not adjustable E40 lampholder	QE (MBF) 400W	6,65	1	0,0166
59103	Body not adjustable E40 lampholder	M-S(JM-SAP) 150W	5,65	1	0,0166
59104*	Body not adjustable E40 lampholder	M-S(JM-SAP) 250W	6,75	1	0,0166
59105*	Body not adjustable E40 lampholder	M-S(JM-SAP) 400W	8,05	1	0,0166
59106	Body not adjustable E40 lampholder	M(JM) 250W Philips type HPI BU PLUS	5,75	1	0,0166
59107	Body not adjustable E40 lampholder	M(JM) 400W Philips type HPI BU PLUS	6,75	1	0,0166
59108**	Body not adjustable E40 lampholder	M(JM) 250W Philips type HPI BU PLUS with ballast for HPS	6,75	1	0,0166
59109**	Body not adjustable E40 lampholder	M(JM) 400W Philips type HPI BU PLUS with ballast for HPS	8,05	1	0,0166
59251	Body not adjustable E40 lampholder	FLC 60-85-120W Philips type	3,55	1	0,0166
59267	Body - adjustable 6 pos. E 40 lampholder	QB (self ballasted) 250W	3,40	1	0,0166
59151	Body adjustable 6 pos. E 40 lampholder	QE (MBF) 250W	5,75	1	0,0166
59153	Body adjustable 6 pos. E 40 lampholder	M-S(JM-SAP) 150W	5,75	1	0,0166
59154*	Body adjustable 6 pos. E 40 lampholder	M-S(JM-SAP) 250W	6,85	1	0,0166
59156	Body adjustable 6 pos. E 40 lampholder	M(JM) 250W Philips type HPI BU PLUS	5,85	1	0,0166
59158**	Body adjustable 6 pos. E 40 lampholder	M(JM) 250W Philips type HPI BU PLUS with ballast for HPS	6,85	1	0,0166
59163	Body adjustable 6 pos. E27 lampholder	M(JM) 150W	5,65	1	0,0166
59162	Body adjustable 6 pos. G12 lampholder	M(JM) 150W	5,65	1	0,0166
59254	Body adjustable 6 pos. GX24-q6	FLC 70W	3,55	1	0,0166
59257	Body adjustable 6 pos. lampholder 2G8	FLC 120W Osram type	3,65	1	0,0166
60510	Polished reflector		0,98	5	0,0244
60560	Glass		2,02	5	0,0076

* Suitable for MH lamps Osram type, see lamps technical specifications.

** 250W: Luminous flux 25.500 lumen - 3800° K; 400W: Luminous flux 42.500 lumen - 3800° K.

YES SHOW 500



Reflector is in polished anodised high purity aluminium and has been designed for an high lighting performance and is suitable for high installation position. External diameter 500 mm. The fixtures, restricted for some adjustment, are getting over a shield angle lamp such as $\geq 15^\circ$ provides an efficiently anti glare solutions. For further information, please see the enclosed user manual.

The device are supplied with electrical supply unit. The Reflector and tempered glass, are to be ordered separately. Reflectors and glasses are packaged in a box 5 of pieces/each. Up to 250W the fittings are "D" marked, in accordance with EN 60598-2-24 "Luminaires with limited surface temperatures".

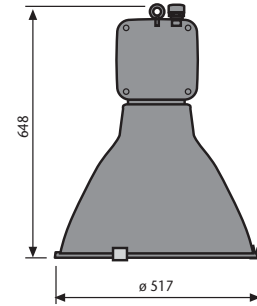
Recommended mounting height: from 6 to 16 meters.



Lamp

	QB (self ballasted) E40 max 500W
	ME (JM) - SE (SAP) - QE (MBF) E40 max 400W
	FLC - GX24-q6 70W
	FLC - 2G8 60 - 85 - 120W

Dimensions (mm)



CL I

CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	CBMS
59265	Body - not adjustable E40 lampholder	QB (self ballasted) max 500W	3,30	1	0,0166
59101	Body not adjustable E40 lampholder	QE (MBF) 250W	5,65	1	0,0166
59102	Body not adjustable E40 lampholder	QE (MBF) 400W	6,65	1	0,0166
59103	Body not adjustable E40 lampholder	M-S(JM-SAP) 150W	5,65	1	0,0166
59104*	Body not adjustable E40 lampholder	M-S(JM-SAP) 250W	6,75	1	0,0166
59105*	Body not adjustable E40 lampholder	M-S(JM-SAP) 400W	8,05	1	0,0166
59106	Body not adjustable E40 lampholder	M(JM) 250W Philips type HPI BU PLUS	5,75	1	0,0166
59107	Body not adjustable E40 lampholder	M(JM) 400W Philips type HPI BU PLUS	6,75	1	0,0166
59108**	Body not adjustable E40 lampholder	M(JM) 250W Philips type HPI BU PLUS with ballast for HPS	6,75	1	0,0166
59109**	Body not adjustable E40 lampholder	M (JM) 400W Philips type HPI BU PLUS with ballast for HPS	8,05	1	0,0166
59266	Body - adjustable 4 pos. E 40 lampholder	QB (self ballasted) 500W	3,40	1	0,0166
59152	Body adjustable 4 pos. E 40 lampholder	QE (MBF) 400W	6,75	1	0,0166
59155*	Body adjustable 4 pos. E 40 lampholder	M-S(JM-SAP) 400W	8,15	1	0,0166
59157	Body adjustable 4 pos. E 40 lampholder	M(JM) 400W Philips type HPI BU PLUS	6,85	1	0,0166
59159**	Body adjustable 4 pos. E 40 lampholder	M(JM) 400W Philips type HPI BU PLUS with ballast for HPS	8,15	1	0,0166
59267	Body - adjustable 6 pos. E 40 lampholder	QB (self ballasted) 250W	3,40	1	0,0166
59151	Body adjustable 6 pos. E 40 lampholder	QE (MBF) 250W	5,75	1	0,0166
59153	Body adjustable 6 pos. E 40 lampholder	M-S (JM-SAP) 150W	5,75	1	0,0166
59154*	Body adjustable 6 pos. E 40 lampholder	M-S (JM-SAP) 250W	6,85	1	0,0166
59156	Body adjustable 6 pos. E 40 lampholder	M (JM) 250W Philips type HPI BU PLUS	5,85	1	0,0166
59158**	Body adjustable 6 pos. E 40 lampholder	M (JM) 250W Philips type HPI BU PLUS with ballast for HPS	6,85	1	0,0166
59254	Body adjustable 6 pos. GX24-q6	FLC 70W	3,55	1	0,0166
59257	Body adjustable 6 pos. 2G8 lampholder	FLC 120W Osram type	3,65	1	0,0166
59255	Body adjustable 6 pos. 2G8 lampholder	FLC 60-85-120W Philips type	3,65	1	0,0166
60520	Polished reflector		1,31	5	0,0344
60525	High-gloss reflector		1,31	5	0,0344
60565	Glass		2,60	5	0,0093

* Suitable for MH lamps Osram type, see lamps technical specifications.

** 250W: Luminous flux 25.500 lumen – 3800° K; 400W: Luminous flux 42.500 lumen – 3800° K.

YES SHOW 560



Reflector is in polished anodised high purity aluminium and has been designed for an high lighting performance and is suitable for high installation position. External Diameter 560 mm.

The fixtures, restricted for some adjustment, are getting over a shield angle lamp such as $\geq 15^\circ$ provides an efficiently anti glare solutions. For further information, please see the enclosed user manual. The device are supplied with electrical supply unit. The Reflector and tempered glass, are to be ordered separately.

Reflectors and glasses are packaged in a box 5 of pieces/each.

Up to 250W the fittings are "D" marked, in accordance with EN 60598-2-24 "Luminaires with limited surface temperatures".

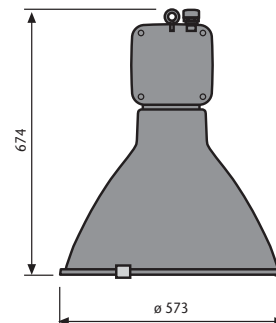
In the 400W versions, upon request, the lampholder is provided with a mechanical device wich prevents the lamp to be installed in a wrong upper position.

Recommended mounting height: from 8 to 24 meters.

Lamp

	QB (self ballasted) E40 max 500W
	ME (JM) - SE (SAP) - QE (MBF) E40 max 400W

Dimensions (mm)



CL I

CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	CBMS
59265	Body - not adjustable E40 lampholder	QB (self ballasted) max 500W	3,30	1	0,0166
59101	Body not adjustable E40 lampholder	QE (MBF) 250W	5,65	1	0,0166
59102	Body not adjustable E40 lampholder	QE (MBF) 400W	6,65	1	0,0166
59103	Body not adjustable E40 lampholder	M-S (JM-SAP) 150W	5,65	1	0,0166
59104*	Body not adjustable E40 lampholder	M-S (JM-SAP) 250W	6,75	1	0,0166
59105*	Body not adjustable E40 lampholder	M-S (JM-SAP) 400W	8,05	1	0,0166
59106	Body not adjustable E40 lampholder	M (JM) 250W Philips type HPI BU PLUS	5,75	1	0,0166
59107	Body not adjustable E40 lampholder	M (JM) 400W Philips type HPI BU PLUS	6,75	1	0,0166
59108**	Body not adjustable E40 lampholder	M (JM) 250W Philips type HPI BU PLUS with ballast for HPS	6,75	1	0,0166
59109**	Body not adjustable E40 lampholder	M (JM) 400W Philips type HPI BU PLUS with ballast for HPS	8,05	1	0,0166
59267	Body - adjustable 6 pos. E 40 lampholder	QB (self ballasted) 500W	3,40	1	0,0166
59151	Body adjustable 6 pos. E 40 lampholder	QE (MBF) 250W	5,75	1	0,0166
59153	Body adjustable 6 pos. E 40 lampholder	M-S (JM-SAP) 150W	5,75	1	0,0166
59154*	Body adjustable 6 pos. E 40 lampholder	M-S (JM-SAP) 250W	6,85	1	0,0166
59156	Body adjustable 6 pos. E 40 lampholder	M (JM) 250W Philips type HPI BU PLUS	5,85	1	0,0166
59158**	Body adjustable 6 pos. E 40 lampholder	M (JM) 250W Philips type HPI BU PLUS with ballast for HPS	6,85	1	0,0166
59201	Body adjustable 6 pos. E 40 lampholder	QE (MBF) 400W	6,75	1	0,0166
59202*	Body adjustable 6 pos. E 40 lampholder	M-S(JM-SAP) 400W	8,15	1	0,0166
59203	Body adjustable 6 pos. E 40 lampholder	M (JM) 400W Philips type HPI BU PLUS	6,85	1	0,0166
59204**	Body adjustable 6 pos. E 40 lampholder	M (JM) 400W Philips type HPI BU PLUS with ballast for HPS	8,15	1	0,0166
60530	Polished reflector		1,59	5	0,042
60570	Glass		3,09	5	0,010

* Suitable for MH lamps Osram type, see lamps technical specifications.

** 250W: Luminous flux 25.500 lumen – 3800° K; 400W: Luminous flux 42.500 lumen – 3800° K.

YES SHOW 600



Reflector is in polished anodised high purity aluminium and has been designed for an high lighting performance and is suitable for high installation position. External Diameter 600 mm.

The fixtures, restricted for some adjustment, are getting over a shield angle lamp such as $\geq 15^\circ$ provides an efficiently anti glare solutions. For further information, please see the enclosed user manual.

The device are supplied with electrical supply unit.

The Reflector and tempered glass, are to be ordered separately. Reflectors and glasses are packaged in a box 5 of pieces/each. Up to 250W the fittings are "D" marked, in accordance with EN 60598-2-24 "Luminaires with limited surface temperatures". In the 400W versions, upon request, the lampholder is provided with a mechanical device wich prevents the lamp to be installed in a wrong upper position.

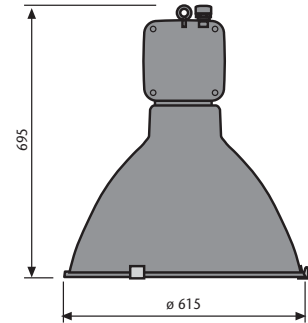
Recommended mounting height: from 8 to 24 meters.



Lamp

	QB (self ballasted) E40 max 500W
	ME (JM) - SE (SAP) - QE (MBF) E40 max 400W

Dimensions (mm)



CLI

CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	CBMS
59265	Body - not adjustable E40 lampholder	QB (self ballasted) max 500W	3,30	1	0,0166
59101	Body not adjustable E40 lampholder	QE (MBF) 250W	5,65	1	0,0166
59102	Body not adjustable E40 lampholder	QE (MBF) 400W	6,65	1	0,0166
59103	Body not adjustable E40 lampholder	M-S (JM-SAP) 150W	5,65	1	0,0166
59104*	Body not adjustable E40 lampholder	M-S (JM-SAP) 250W	6,75	1	0,0166
59105*	Body not adjustable E40 lampholder	M-S(JM-SAP) 400W	8,05	1	0,0166
59106	Body not adjustable E40 lampholder	M (JM) 250W Philips type HPI BU PLUS	5,75	1	0,0166
59107	Body not adjustable E40 lampholder	M (JM) 400W Philips type HPI BU PLUS	6,75	1	0,0166
59108**	Body not adjustable E40 lampholder	M (JM) 250W Philips type HPI BU PLUS with ballast for HPS	6,75	1	0,0166
59109**	Body not adjustable E40 lampholder	M (JM) 400W Philips type HPI BU PLUS with ballast for HPS	8,05	1	0,0166
59266	Body - adjustable 4 pos. E 40 lampholder	QB (self ballasted) 500W	3,40	1	0,0166
59152	Body adjustable 4 pos. E 40 lampholder	QE (MBF) 400W	6,75	1	0,0166
59155*	Body adjustable 4 pos. E 40 lampholder	M-S(JM-SAP) 400W	8,15	1	0,0166
59157	Body adjustable 4 pos. E 40 lampholder	M (JM) 400W Philips type HPI BU PLUS	6,85	1	0,0166
59159**	Body adjustable 4 pos. E 40 lampholder	M (JM) 400W Philips type HPI BU PLUS with ballast for HPS	8,15	1	0,0166
59267	Body - adjustable 6 pos. E 40 lampholder	QB (self ballasted) 250W	3,40	1	0,0166
59151	Body adjustable 6 pos. E 40 lampholder	QE (MBF) 250W	5,75	1	0,0166
59153	Body adjustable 6 pos. E 40 lampholder	M-S (JM-SAP) 150W	5,75	1	0,0166
59154*	Body adjustable 6 pos. E 40 lampholder	M-S(JM-SAP) 250W	6,85	1	0,0166
59156	Body adjustable 6 pos. E 40 lampholder	M (JM) 250W Philips type HPI BU PLUS	5,85	1	0,0166
59158**	Body adjustable 6 pos. E 40 lampholder	M (JM) 250W Philips type HPI BU PLUS with ballast for HPS	6,85	1	0,0166
60540	Polished reflector		1,73	5	0,0492
60575	Glass		3,27	5	0,0117
60580	PMMA lens	Up to 250W	1,70	5	0,016
60585	Polycarbonate lens	Up to 250W	1,77	5	0,016

* Suitable for MH lamps Osram type, see lamps technical specifications.

** 250W: Luminous flux 25.500 lumen – 3800° K; 400W: Luminous flux 42.500 lumen – 3800° K.

YES SHOW

ACCESSORIES AND SPARE PARTS

CODE	DESCRIPTION	GROSS WEIGHT (kg)	PACKING (pcs.)	COLOUR	CBMS
YES SHOW 425					
60367	Grille	0,37	5	Silver	0,0042
60354	Anti-vibrations support	0,50	-	-	-
YES SHOW 425 TECH					
60357	Glass	1,792	5	-	0,0067
60367	Grille	0,37	5	Silver	0,0042
60354	Anti-vibrations support	0,50	-	-	-
YES SHOW 450					
60590	Grille	0,42	5	Silver	0,0045
60354	Anti-vibrations support	0,50	-	-	-
YES SHOW 500					
60595	Grille	0,54	5	Silver	0,0059
60354	Anti-vibrations support	0,50	-	-	-
YES SHOW 560					
60600	Grille	0,60	5	Silver	0,0062
60354	Anti-vibrations support	0,50	-	-	-
YES SHOW 600					
60605*	Grille	0,64	5	Silver	0,0065
60354	Anti-vibrations support	0,50	-	-	-

* Suitable for glass only



60367-60590-60595-60600-60605
Grille. Zinc plated and steel coated in silver colour.



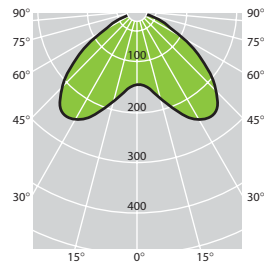
60354
Anti-vibrations support. Zinc plated and steel coated in black colour.



60605
Tempered glass complete with stainless steel springs and silicon gasket.

Photometric data

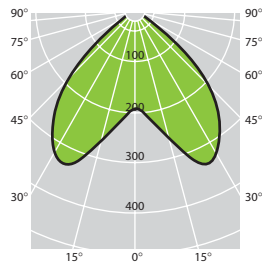
YES SHOW 425 - YES SHOW TECH 425



ME (JM-E) 400W - E40



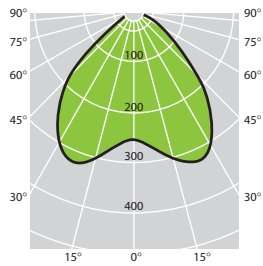
YES SHOW



ME (JM-E) 250W - E40



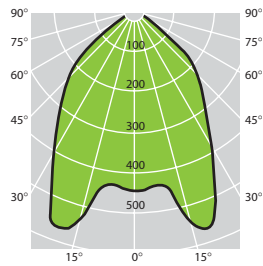
YES SHOW



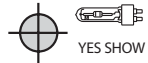
SE (SAP-E) 250W - E40



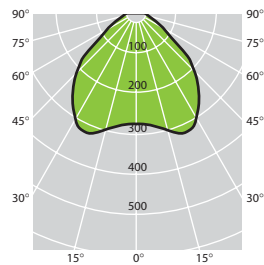
YES SHOW



MT (JM-T) 150W - G12



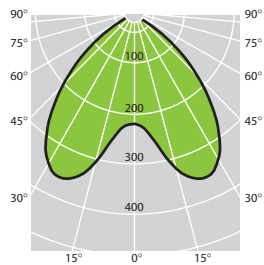
YES SHOW



QE (MBF) 250W - E40



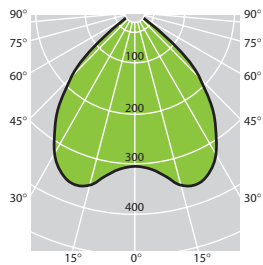
YES SHOW



SE (SAP-E) 250W - E40



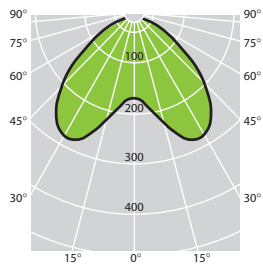
YES SHOW 425/S
High-gloss reflector



ME (JM-E) 250W - E40



YES SHOW 425/S
High-gloss reflector



ME (JM-E) 400W - E40

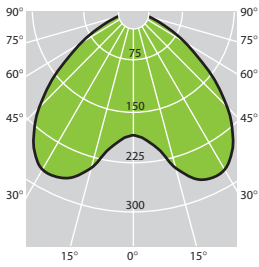


YES SHOW 425/S
High-gloss reflector

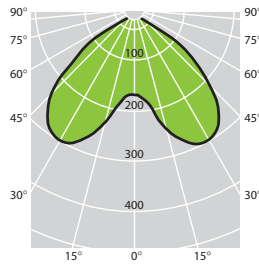
YES SHOW

Photometric data

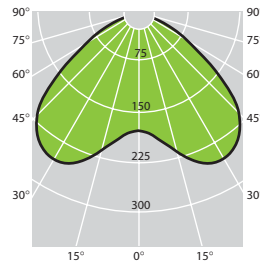
YES SHOW 450



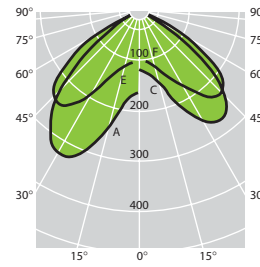
ME (JM-E) 400W - E40



SE (SAP-E) 400W - E40



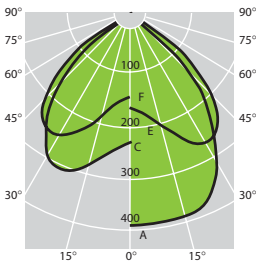
QE (MBF) 400W - E40



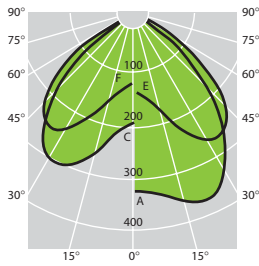
ME (JM-E) 250W - E40



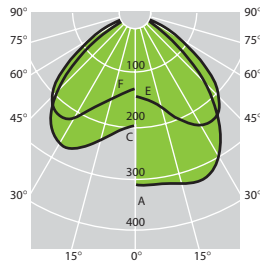
YES SHOW TECH 500



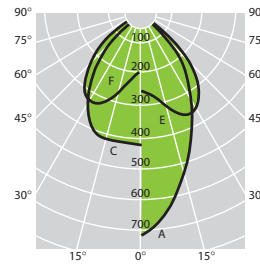
ME (JM-E) 400W - E40



SE (SAP-E) 400W - E40



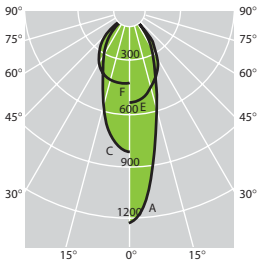
QE (MBF) 400W - E40



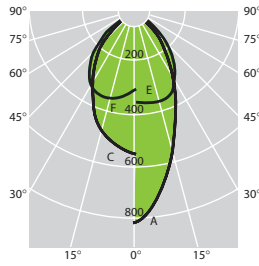
SE (SAP-E) 250W - E40



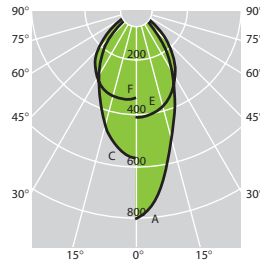
YES SHOW TECH 560



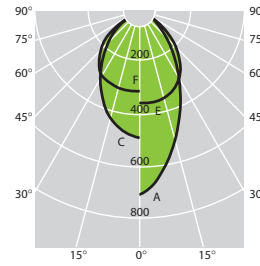
ME (JM-E) 250W - E40



SE (SAP-E) 400W - E40



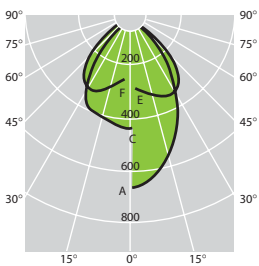
ME (JM-E) 400W - E40



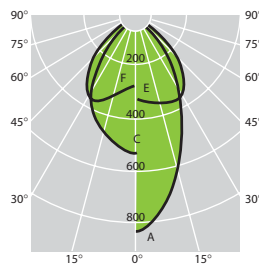
QE (MBF) 400W - E40



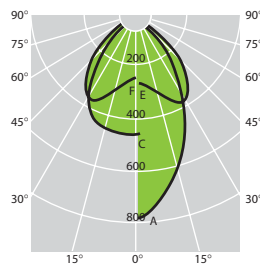
YES SHOW TECH 600



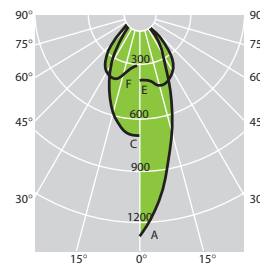
QE (MBF) 400W - E40



ME (JM-E) 400W - E40



SE (SAP-E) 400W - E40



ME (JM-E) 250W - E40





YES 1 TECH



YES 1 TECH/S



YES 1 TECH-Safe



YES 1 TECH/S-Safe

Indoor high bay



The Body made of zinc plated steel coated with polyester powders in silver colour Ral 7035, wired power corrected.

For power S 400W the body is manufactured with cooling ribs. Fitting supplied completely wired power corrected and packed in a single box containing, for the Q and M-S versions, the wired body and the reflector.

Installation by suspension hook.

Side cable entry with cable gland PG. 13,5.

Porcelain lamp-holder with fixed focal position. Electrical components easily accessible.

For metal halide lamps the fitting may be used only with protection glass.

Two versions for Philips type metal halide ellipsoidal lamps HPI 250 and 400W BU Plus, have been created. When powered by a high pressure sodium ballast emit a considerable higher quantity of light. The 250 W emits 25,500 lumens against 19,000 of the standard version; the 400W emits 42,500 lumens against 35,000 of the standard version.


These bulbs also supply a warmer tone of light passing from 4300° K to 3800° K.

All the electrical components are produced according to the Italian Quality Standards for power 230V - 50 Hz and the high bay is manufactured according to EN 60598/1 rules

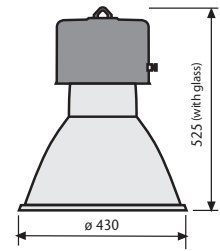
YES 1 Tech












Special optics for ellipsoidal lamps.
Highly pure aluminium reflector for an excellent light output, smooth, polished and anodized.
Recommended mounting height: from 4 to 12 meters.

Lamp	
	ME (JM) - SE (SAP) QE (MBF) - E40 max 400W

Dimensions (mm)



CL I


CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
50159	 YES 1 TECH	QE (MBF) 250W without glass	6,18	1	12	0,122
50152	 YES 1 TECH	QE (MBF) 400W without glass	7,31	1	12	0,122
50153	 YES 1 TECH	M-S (JM-SAP) 250W without glass	7,03	1	12	0,122
50154 IP 20	 YES 1 TECH	S (SAP) 400W without glass	8,57	1	12	0,122
50165*	 YES 1 TECH	M (JM) 400W without glass	8,57	1	12	0,122
50164	 YES 1 TECH	M (JM) 250W Philips type HPI BU PLUS with glass and lamp	8,15	1	12	0,122
50156	 YES 1 TECH	M (JM) 400W Philips type HPI BU PLUS with glass and lamp	8,98	1	12	0,122
50157	 YES 1 TECH	M (JM) 250W Philips type HPI BU PLUS with ballast for HPS - glass and lamp	8,88	1	12	0,122
50158	 YES 1 TECH	M (JM) 400W Philips type HPI BU PLUS with ballast for HPS - glass and lamp	10,52	1	12	0,122

* Suitable for MH lamps Osram type, see lamps technical specifications.

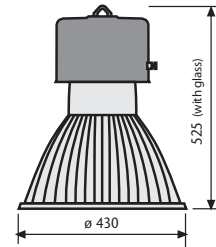
YES 1 Tech/s

Diamond optics with excellent photometric performances for ellipsoidal lamps.
Prismatic reflector in polished and anodized aluminium.
Recommended mounting height: from 4 to 12 meters.












Lamp	
	ME (JM) - SE (SAP) QE (MBF) - E40 max 400W

Dimensions (mm)



CL I

CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
50020	 YES 1 TECH/S	QE (MBF) 250W without glass	6,18	1	12	0,122
50021	 YES 1 TECH/S	QE (MBF) 400W without glass	7,31	1	12	0,122
50022	 YES 1 TECH/S	M-S (JM-SAP) 250W without glass	7,03	1	12	0,122
50023 IP 20	 YES 1 TECH/S	S (SAP) 400W without glass	8,57	1	12	0,122
50028*	 YES 1 TECH/S	M (JM) 400W without glass	8,57	1	12	0,122
50024	 YES 1 TECH/S	M (JM) 250W Philips type HPI BU PLUS with glass and lamp	8,15	1	12	0,122
50025	 YES 1 TECH/S	M (JM) 400W Philips type HPI BU PLUS with glass and lamp	8,98	1	12	0,122
50026	 YES 1 TECH/S	M (JM) 250W Philips type HPI BU PLUS with ballast for HPS - glass and lamp	8,88	1	12	0,122
50027	 YES 1 TECH/S	M (JM) 400W Philips type HPI BU PLUS with ballast for HPS - glass and lamp	10,52	1	12	0,122

* Suitable for MH lamps Osram type, see lamps technical specifications.

YES 1 Tech-Safe - YES 1 Tech/s - Safe



With series YES 1 TECH e YES 1 TECH/S an electronic switching device is supplied, capable of lighting the auxiliary halogen lamp E27 HALOLUX CERAM or HALOLUX BT type with maximum halogen power up to 150W. The device comes on automatically when the main lamp goes out and goes off, also

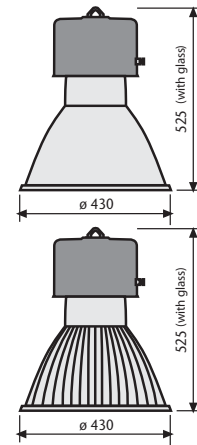
automatically, when the main discharge lamp comes on fully. The fitting is fully wired and packed in a single box containing, for the "Q" and "MS" versions the wired body and the reflector.

Lamp



ME (JM) - SE (SAP)
QE (MBF) - E40 max 400W

Dimensions (mm)



CL I

CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
50168* IP 20	CR YES 1 TECH SAFE	M-S (JM-SAP) 400W without glass	8,95	1	12	0,122
50169	CR YES 1 TECH SAFE	M-S (JM-SAP) 250W without glass	7,75	1	12	0,122
50170 IP 20**	CRL YES 1 TECH SAFE	M (JM) 400W Philips type HPI BU PLUS with glass and lamp	10,80	1	12	0,122
50171**	CRL YES 1 TECH SAFE	M (JM) 250W Philips type HPI BU PLUS with glass and lamp	9,65	1	12	0,122
50172 IP 20	CR YES 1 TECH SAFE	QE (MBF) 400W without glass	9,05	1	12	0,122
50173	CR YES 1 TECH SAFE	QE (MBF) 250W without glass	7,90	1	12	0,122

* Suitable for MH lamps Osram type, see lamps technical specifications.

** Not included E27 halogen lamp.

CL I

CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
50174* IP 20	CR YES 1 TECH/S-SAFE	M-S (JM-SAP) 400W without glass	8,95	1	12	0,122
50175	CR YES 1 TECH/S-SAFE	M-S (JM-SAP) 250W without glass	7,75	1	12	0,122
50176 IP 20**	CRL YES 1 TECH/S-SAFE	M (JM) 400W Philips type HPI BU PLUS with glass and lamp	10,80	1	12	0,122
50177**	CRL YES 1 TECH/S-SAFE	M (JM) 250W Philips type HPI BU PLUS with glass and lamp	9,65	1	12	0,122
50211 IP 20	CR YES 1 TECH/S-SAFE	QE (MBF) 400W without glass	9,05	1	12	0,122
50212	CR YES 1 TECH/S-SAFE	QE (MBF) 250W without glass	7,90	1	12	0,122

* Suitable for MH lamps Osram type, see lamps technical specifications.

** Not included E27 halogen lamp.

ACCESSORIES AND SPARE PARTS

CODE	DESCRIPTION	GROSS WEIGHT (kg)	PACKING (pcs.)	COLOUR	CBMS
60357	Glass	1,792	5	-	0,0067
60360	Grille without glass	0,396	5	Silver	0,0042
60367	Grille with glass	0,370	5	Silver	0,0042
60354	Anti-vibrations support	0,50	-	-	-



60357
Tempered glass complete with stainless steel springs and silicon gasket



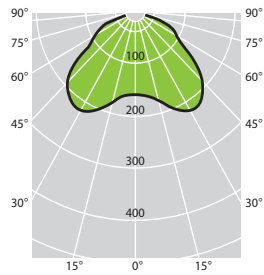
60360 - 60367
Grille. Zinc plated and steel coated in silver colour.



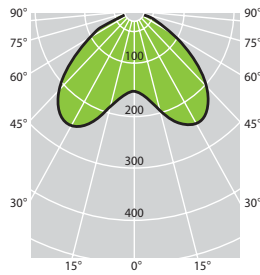
60354
Anti-vibrations support. Zinc plated and steel coated in black colour.

Photometric data

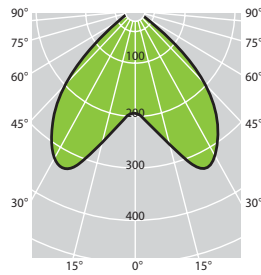
YES 1 Tech - YES 1 Tech Safe



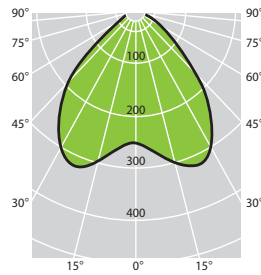
QE (MBF) 400W E40



SE (SAP-E) 400W E40



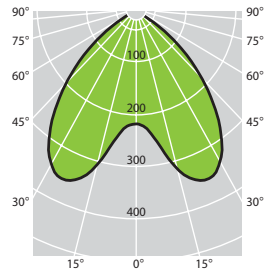
ME (JM-E) 250W E40



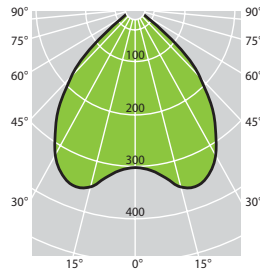
SE (SAP-E) 250W - E40



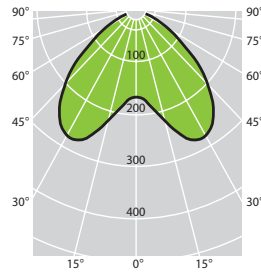
YES 1 Tech/s - YES 1 Tech/s Safe



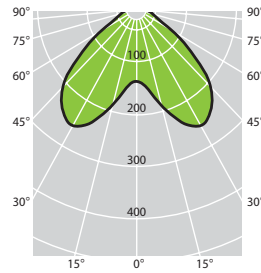
SE (SAP-E) 250W E40



ME (JM-E) 250W E40



ME (JM-E) 250W E40



SE (SAP-E) 400W E40



High bay fitting for internal environment with fixed focal position



Body made of zinc plated steel sheet coated with polyester powders in black colour and white colour on request.

Installation by suspension hook.

Side cable entry with cable gland PG 13,5.

Porcelain lampholder, which can be counted in two positions: with and without spacer.

Electrical components easily accessible.

For metal halide lamps the fitting may be used only with protection glass.

Two versions for Philips type metal halide ellipsoidal lamps HPI 250 and 400W BU Plus, have

been created. When powered by a high pressure sodium ballast emit a considerable higher quantity of light. The 250 W emits 25,500 lumens against 19,000 of the standard version; the 400W emits 42,500 lumens against 35,000 of the standard version.




These bulbs also supply a warmer tone of light passing from 4300° K to 3800° K.

All the electrical components are produced according to the Italian Quality Standards for power 230V - 50 Hz and the high bay is manufactured according to EN 60598/1 rules.

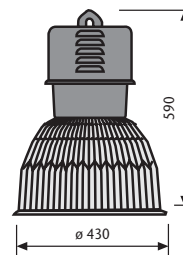
YES 1 T - Tubular Ellipsoidal

FCE PG IP 20











Special optics for tubular and ellipsoidal lamps.
 Optional spacer for wide beam (see photometric data).
 Double prismatic reflector made of highly pure aluminium, polished and anodized.
 Reflectors and glasses are packaged in box of 5 pieces/each.
 Recommended mounting height: from 4 to 12 meters.

Lamp	
	QB (self ballasted) E40 max 500W
	MT (JM) ST (SAP) E40 max 400W
	ME (JM) SE (SAP) QE (MBF) E40 max 400W

Dimensions (mm)



CL I

CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
50318	Body E27	QB (self ballasted) 160W	2,70	1	72	0,0203
50320	Body E40	QB (self ballasted) max 500W	2,70	1	72	0,0203
50367	White Body E27	QB (self ballasted) 160W	2,70	1	72	0,0203
50368	White Body E40	QB (self ballasted) max 500W	2,70	1	72	0,0203
50319	 Body	QE (MBF) 125W	4,16	1	72	0,0203
50321	 Body	QE (MBF) 250W	5,15	1	72	0,0203
50322	 Body	QE (MBF) 400W	6,28	1	72	0,0203
50323	 Body	M-S (JM-SAP) 150W	5,20	1	72	0,0203
50324	 Body	M-S (JM-SAP) 250W	6,00	1	72	0,0203
50326*	 Body	M-S (JM-SAP) 400W	7,54	1	72	0,0203
50327	 Body	M (JM) 400W Philips type HPI BU PLUS	6,21	1	72	0,0203
50328	 Body	M (JM) 250W Philips type HPI BU PLUS	5,14	1	72	0,0203
50338	 Body	M (JM) 250W Philips type HPI BU PLUS with ballast for HPS	5,85	1	72	0,0203
50339	 Body	M (JM) 400W Philips type HPI BU PLUS with ballast for HPS	7,40	1	72	0,0203
50254	Reflector	Tubular	1,21	5	120	0,0209
60357	Glass		1,792	5	-	0,0067

* Suitable for MH lamps Osram type, see lamps technical specifications.

YES 1 C - Ellipsoidal

F CE PG IP 20

Special optics for ellipsoidal lamps.

Smooth reflector in polished and anodized aluminium. Reflectors and glasses are packaged in box of 5 pieces/each.

Recommended mounting height: from 8 to 24 meters.

Lamp

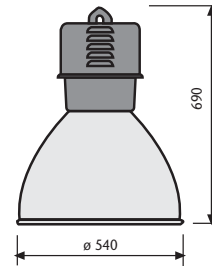


QB (self ballasted)
E40 max 500W



ME (JM) SE (SAP) QE (MBF)
E40 max 400W

Dimensions (mm)



CL I



CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
50320	Body E40	QB (self ballasted) max 500W	2,70	1	72	0,0203
50368	White Body E40	QB (self ballasted) max 500W	2,70	1	72	0,0203
50321	Body	QE (MBF) 250W	5,15	1	72	0,0203
50322	Body	QE (MBF) 400W	6,28	1	72	0,0203
50323	Body	M-S (JM-SAP) 150W	5,20	1	72	0,0203
50324	Body	M-S (JM-SAP) 250W	6,00	1	72	0,0203
50326*	Body	M-S (JM-SAP) 400W	7,54	1	72	0,0203
50327	Body	M (JM) 400W Philips type HPI BU PLUS	6,21	1	72	0,0203
50328	Body	M (JM) 250W Philips type HPI BU PLUS	5,14	1	72	0,0203
50338	Body	M (JM) 250W Philips type HPI BU PLUS with ballast for HPS	5,85	1	72	0,0203
50339	Body	M (JM) 400W Philips type HPI BU PLUS with ballast for HPS	7,40	1	72	0,0203
50257	Reflector	Ellipsoidal	1,791	5	60	0,036
60359	Glass		2,54	5	-	0,009

* Suitable for MH lamps Osram type, see lamps technical specifications.

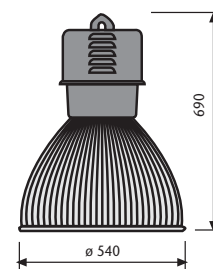
YES 1 CS Diamant - Ellipsoidal

F CE PG IP 20

Diamond optics with excellent photometric performances. Special optics for ellipsoidal lamps.
Prismatic reflector in polished and anodized aluminium. Reflectors and glasses are packaged in box of 5 pieces/each.
Recommended mounting height: from 8 to 24 meters.










Lamp	
	QB (self ballasted) E40 max 500W
	ME (JM) SE (SAP) QE (MBF) E40 max 400W

Dimensions (mm)



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CL I

CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
50320	Body E40	QB (self ballasted) max 500W	2,70	1	72	0,0203
50368	White Body E40	QB (self ballasted) max 500W	2,70	1	72	0,0203
50321	 Body	QE (MBF) 250W	5,15	1	72	0,0203
50322	 Body	QE (MBF) 400W	6,28	1	72	0,0203
50323	 Body	M-S (JM-SAP) 150W	5,20	1	72	0,0203
50324	 Body	M-S (JM-SAP) 250W	6,00	1	72	0,0203
50326*	 Body	M-S (JM-SAP) 400W	7,54	1	72	0,0203
50327	 Body	M (JM) 400W Philips type HPI BU PLUS	6,21	1	72	0,0203
50328	 Body	M (JM) 250W Philips type HPI BU PLUS	5,14	1	72	0,0203
50338	 Body	M (JM) 250W Philips type HPI BU PLUS with ballast for HPS	5,85	1	72	0,0203
50339	 Body	M (JM) 400W Philips type HPI BU PLUS with ballast for HPS	7,40	1	72	0,0203
50283	Reflector	Ellipsoidal	1,791	5	60	0,036
60359	Glass		2,54	5	-	0,009

* Suitable for MH lamps Osram type, see lamps technical specifications.

With series YES1 an electronic switching device is supplied, capable of lighting the auxiliary halogen lamp E27 HALOLUX CERAM or HALOLUX BT type with maximum halogen power of up to 150W.

The device comes on automatically when the main lamp goes out and goes off, also automatically, when the main discharge lamp comes on fully.

The fitting, supplied with a E27 lampholder, is very easy to fit to all FAEL T - C - CS "DIAMANT" reflectors without making any changes to the wiring.

The body of the series YES 1 SAFE fitting is supplied

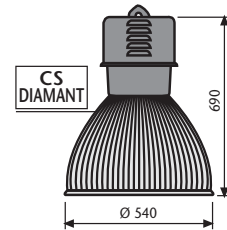
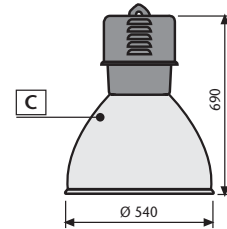
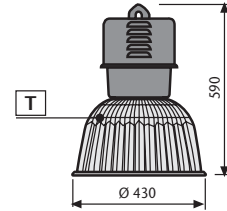
fully wired. The series includes YES 1 type industrial fittings, called SAFE, in the following powers:

- M-S 250W - 400W
Osram type
- Q 250W - 400W
- M 250W - 400W
Philips type

Reflectors and glasses are packaged in box of 5 pieces/each.

Lamp

	QB (self ballasted) E40 max 500W
	ME (JM) SE (SAP) QE (MBF) E40 max 400W

Dimensions (mm)

CL I

CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
50350*	Body YES 1	M-S (JM-SAP) 400W	8,00	1	72	0,0288
50352	Body YES 1	M-S (JM-SAP) 250W	6,80	1	72	0,0288
50353	Body YES 1	M (JM) 400W Philips type HPI BU PLUS	6,80	1	72	0,0288
50354	Body YES 1	M (JM) 250W Philips type HPI BU PLUS	6,00	1	72	0,0288
50355	Body YES 1	QE (MBF) 400W	6,80	1	72	0,0288
50356	Body YES 1	QE (MBF) 250W	6,00	1	72	0,0288
50254	Reflector T	Tubolar	1,21	1	120	0,0209
50257	Reflector C	Ellipsoidal	1,791	1	60	0,036
50283	Riflettore CS DIAMANT	Ellipsoidal	1,791	5	60	0,036
60357	Glass for reflectors T		1,792	5	-	0,0067
60359	Glass for reflectors C-CS		2,54	5	-	0,009

* Suitable for MH lamps Osram type, see lamps technical specifications.

ACCESSORIES AND SPARE PARTS

CODE	DESCRIPTION	GROSS WEIGHT (kg)	PACKING (pcs.)	COLOUR	CBMS
60357	Glass for reflectors T	1,792	5	-	0,0067
60359	Glass for reflectors C - CS	2,54	5	-	0,0098
60354	Anti-vibrations support	0,50	-	-	-
60356	Spacer	-	-	-	-
60360	Grille for reflectors T without glass	0,396	5	Silver	0,0042
60367	Grille for reflectors T with glass	0,396	5	Silver	0,0042
60361	Grille for reflectors C - CS without glass	0,556	5	Silver	0,0062
60369	Grille for reflectors C - CS with glass	0,370	5	Silver	0,0042



60357 - 60359
Tempered glass complete with stainless steel springs and silicon gasket



60360 - 60367 - 60361 - 60369
Grille. Zinc plated and steel coated in silver colour.



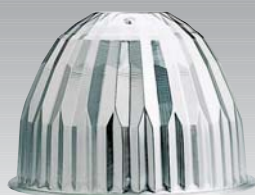
60354
Anti-vibrations support. Zinc plated and steel coated in black colour.



60356
Spacer. Zinc plated.



Body



Reflector T



Reflector C

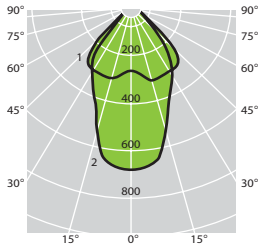


Reflector CS Diamant

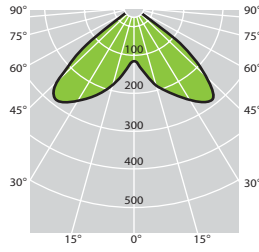
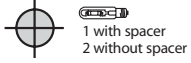
YES 1

Photometric data

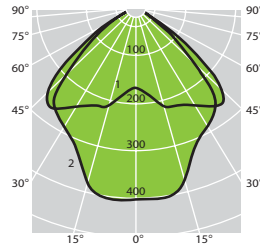
YES 1 T - YES 1 T Safe



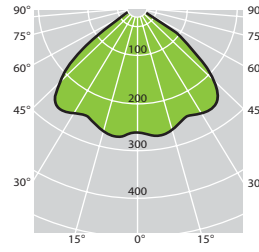
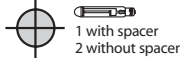
MT (JM-T) 250W E40



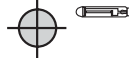
MT (JM-T) 400W E40



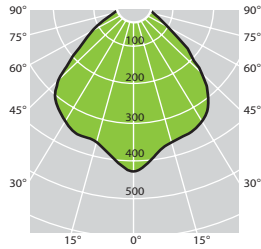
ST (SAP-T) 250W E40



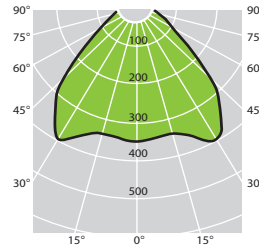
ST (SAP-T) 400W E40



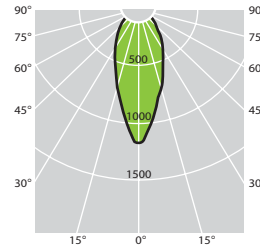
YES 1 C - YES 1 C Safe



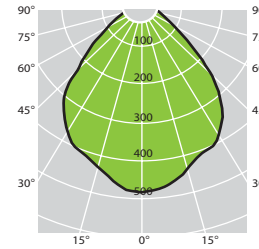
QE (MBF) 400W E40



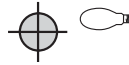
ME (JM-E) 400W E40



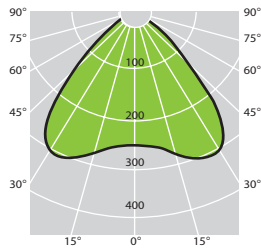
SE (SAP-E) 250W E40



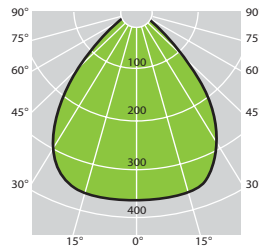
SE (SAP-E) 400W E40



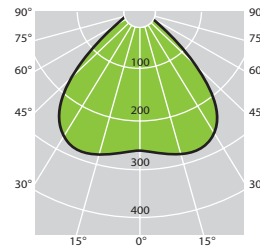
YES 1 CS - YES 1 CS Safe



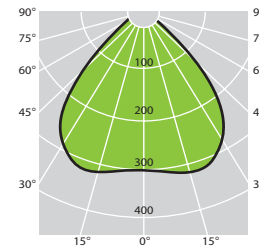
ME (JM-E) 400W E40



ME (JM-E) 400W E40



QE (MBF) 400W E40



SE (SAP-E) 400W E40



Street Lighting

Insulation Class I - II



ITINERA VP



ITINERA PC



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ITINERA is one of the most advanced road lighting range in the worldwide markets.

It combines a modern and traditional features and it has been designed and manufactured with the latest technology for lighting motorways, major traffic routes, pedestrian areas.

Description:

The housing (body and top cover) is manufactured from die-cast aluminium recyclable alloy and finish with a thermo polyester grey colour powder paint.

On request: twin colours.

Reflector is made of high purity (99,8%) one piece pressed electro-polished anodised aluminium.

Suitable for either post top entry and side entry max 76 mm. Post top tilt angle 0°; +5°; +10°; +15°. Side entry tilt angle 0°; +5°. In case of side entry installation with tilt of 10° and 15°, an inclination floodlight accessory limits the tilt at 0°, is supplied. Gaskets are made of anti-age weather resistant silicon rubber.

For Class II electrical safety switch disconnects

the main power supply on opening the luminaire in maintenance.

Porcelain lampholder with horizontal and vertical mechanical focusing device.

Adjustable reflector in order to optimise the optical performance and light distribution.

Connection to power supply via a cable gland PG 13,5.

High temperature silicon insulated conductors are used throughout.

Anti vacuum device.

Zinc coated gear tray for Class I; glass reinforced nylon gear tray for Class II.

Both gear trays are completed with lamp holder and/or electrical connectors for fast replacement and easy maintenance.

As optional the luminaire can be provided with a fuse.

Electrical components are certified with ENEC Mark.

Power supply: 230V; 50Hz.

ITINERA is designed in accordance with relevant European Standards: EN 60598/1.

ITINERA VP

Output ratio: cut-off.

Thermal toughened 5 mm. flat glass.






The gear and lamp compartment can be easily accessed by opening the fore stainless steel hook.

For quick and safety inspection the luminaire is supplied with anti-tipping cover device.

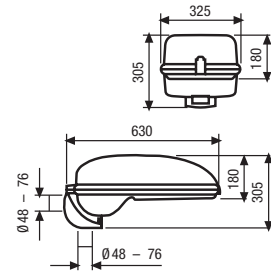
wind exposed surface = 0,0965 m²



Lamp

	QE (MBF) - E27 80 - 125W - E40 250W
	SE (SAP-E) - E27 70W - E40 100-150-250W
	ST (SAP-T) - E27 70W E40 100-150-250-400W
	MT (JM-T) - E27 70W - E40 100-150-250-400W
	ME (JM-E) - E27 70W - E40 100-150-250W












Dimensions (mm)



The Itinera colours













CL I

CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
40700*		S (SAP) 70W	9,75	1	24	0,0728
40701		M-S (JM-SAP) 100W	10,00	1	24	0,0728
40702		M-S (JM-SAP) 150W	10,90	1	24	0,0728
40703**		M-S (JM-SAP) 250W	12,00	1	24	0,0728
40704**		M-S (JM-SAP) 400W	13,30	1	24	0,0728
40705		M (JM) 70W	9,75	1	24	0,0728
40706		M (JM) 250W PHI type	10,80	1	24	0,0728
40707		M (JM) 400W PHI type	12,10	1	24	0,0728
40708		QE (MBF) 80W	9,55	1	24	0,0728
40709		QE (MBF) 125W	9,80	1	24	0,0728
40710		QE (MBF) 250W	10,70	1	24	0,0728

* With ignitor

** Suitable for MH lamps, Osram type

CL II

CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
40750*		S (SAP) 70W	9,65	1	24	0,0728
40751		M-S (JM-SAP) 100W	9,90	1	24	0,0728
40752		M-S (JM-SAP) 150W	10,80	1	24	0,0728
40753**		M-S (JM-SAP) 250W	11,90	1	24	0,0728
40754		M-S (JM-SAP) 400W	13,30	1	24	0,0728
40755		M (JM) 70W	9,65	1	24	0,0728
40756		M (JM) 250W PHI type	10,70	1	24	0,0728
40758		QE (MBF) 80W	9,45	1	24	0,0728
40759		QE (MBF) 125W	9,70	1	24	0,0728
40760		QE (MBF) 250W	10,60	1	24	0,0728

* With ignitor

** Suitable for MH lamps, Osram type

Output ratio: semi cut-off.

The bowl is in injection moulded high quality impact and heat resistance UV stabilized polycarbonate.

The gear and lamp compartment can be easily accessed by opening the fore stainless steel hook.

For quick and safety inspection the luminaire is supplied with anti-tipping cover device.

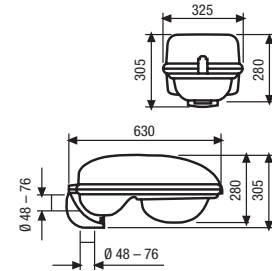
wind exposed surface = 0,1165 m²



Lamp

	QE (MBF) - E27 80-125W - E40 250W
	SE (SAP-E) - E27 70W - E40 100-150-250W
	ST (SAP-T) - E27 70W - E40 100-150-250W
	MT (JM-T) - E27 70W - E40 100-150W
	ME (JM-E) - E27 70W - E40 100-150W

Dimensions (mm)



The Itinera colours



CL I

CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
40720*		S (SAP) 70W	9,43	1	24	0,0728
40721		M-S (JM-SAP) 100W	9,68	1	24	0,0728
40722		M-S (JM-SAP) 150W	10,58	1	24	0,0728
40723		S (SAP) 250W	11,68	1	24	0,0728
40725		M (JM) 70W	9,43	1	24	0,0728
40728		QE (MBF) 80W	9,23	1	24	0,0728
40729		QE (MBF) 125W	9,48	1	24	0,0728
40730		QE (MBF) 250W	10,38	1	24	0,0728

* With ignitor

CL II

CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
40780*		S (SAP) 70W	9,33	1	24	0,0728
40781		M-S (JM-SAP) 100W	9,58	1	24	0,0728
40782		M-S (JM-SAP) 150W	10,48	1	24	0,0728
40783		S (SAP) 250W	11,58	1	24	0,0728
40785		M (JM) 70W	9,33	1	24	0,0728
40788		QE (MBF) 80W	9,13	1	24	0,0728
40789		QE (MBF) 125W	9,38	1	24	0,0728
40790		QE (MBF) 250W	10,28	1	24	0,0728

* With ignitor

ITINERA

ACCESSORIES AND SPARE PARTS

CODE	DESCRIPTION	GROSS WEIGHT (kg)	PACKING (pcs.)	COLOUR	CBMS
ITINERA VP					
09719	Glass	0,77	-	-	-
60031	Corner bracket composite	1,90	3	Hot galvanizing	0,0021
60030	Wall bracket composite	1,05	4	Hot galvanizing	0,0016
60026	Wall bracket electro welded	1,265	6	Hot galvanizing	0,00257
60063	Corner bracket electro welded	2,60	4	Hot galvanizing	0,00835
ITINERA PC					
09727	Polycarbonate bowl	0,45	-	-	-
60031	Corner bracket composite	1,90	3	Hot galvanizing	0,0021
60030	Wall bracket composite	1,05	4	Hot galvanizing	0,0016
60026	Wall bracket electro welded	1,265	6	Hot galvanizing	0,00257
60063	Corner bracket electro welded	2,60	4	Hot galvanizing	0,00835



60031



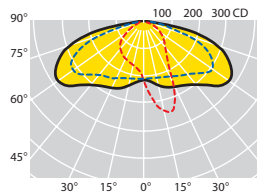
60030 - 60026



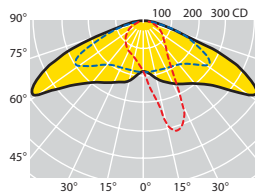
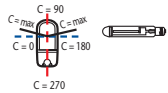
60063

Photometric data

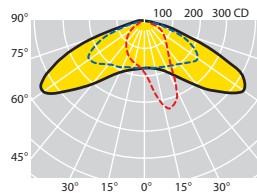
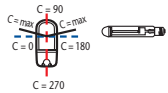
ITINERA VP



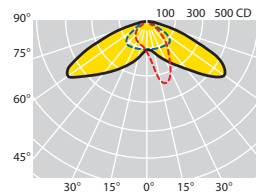
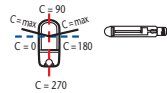
ST (SAP-T) 400W E40
POS. FIX-3-A C max=15°



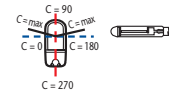
ST (SAP-T) 250W E40
POS. A-3-A C max=20°



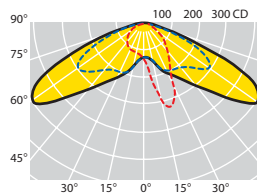
ST (SAP-T) 150W E40
POS. B-3-D C max=25°



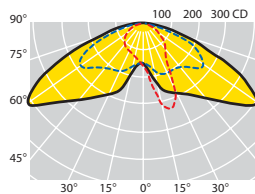
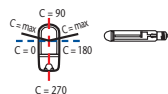
ST (SAP-T) 100W E40
POS. B-3-D C max=20°



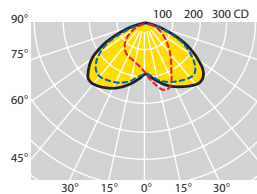
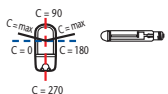
ITINERA PC



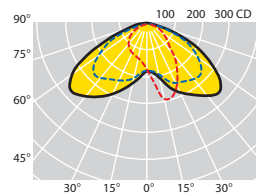
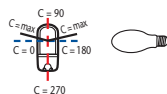
ST (SAP-T) 250W E40
POS. A-3-A C max=20°



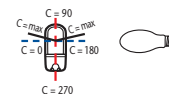
ST (SAP-T) 150W E40
POS. B-3-D C max=25°



SE (SAP-E) 150W E40
POS. B-3-D C max=20°



SE (SAP-E) 100W E40
POS. D-3-D C max=20°





Projector with street optics characterised by a graceful and refined design that, thanks to a series of performing optics, ensures it can be used for street furniture for the lighting of outside business areas, public squares, urban routes, parking places and facades.

Construction characteristics

Body and glass-holding cover in die cast aluminium varnished with polyester powders in silver colour, after phosphodegreasing, phosphocromatising and the application of a protection coating aimed at ensuring excellent resistance to corrosion.

All electrical components are certified with ENEC mark (230V, 50 Hz). The projector has been manufactured according to EN 60598/1 standards.

MACH 5 WAY



Cover hinged in the body bottom and held with stainless steel small items. Lamp-holder in porcelain 16A with anti-unscrewing device. Installation by means of a strong steel fork, galvanised and varnished with polyester powders in metallised grey colour. Double goniometric scale for vertical mounting. Gaskets in anti-aging silicon rubber. Tempered glass suitable for high temperature, thermal shocks and crashes (6 Joule), mechanically fixed to the glass-holding ring. The power supply cable accesses the device through a PG 13.5 cable gland (anti-tear IP 68) Pressure compensation filter in teflon. Opening and access to optics and control gear with a single operation, by using the high mechanical resist-

ance stainless steel front spring. Extractable electrical tool holding plate in galvanised steel for Class I. Insulating Class II with disconnecting switch for supply line break when the cover is open. Wiring board with electrical unit with improved power factor ($\cos \varphi > 0.90$) in special self-extinguishing thermoplastic material V0. The board can be easily removed to make maintenance operations easier. It can be cutaway from the supply line through non-reversible connectors with quick coupling. The device can be directly installed on a 60 mm diameter pole, with die casting accessory suitable for single and double mounting and wall mounting for single projector.



CL I

CODE	DESCRIPTION	LAMP TYPE	WEIGHT (kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
35001*	CR	S (SAP) 70W	11,40	1	40	0,0494
35002	CR	M-S (JM-SAP) 100W	11,50	1	40	0,0494
35003	CR	M-S (JM-SAP) 150W	12,05	1	40	0,0494
35004**	CR	M-S (JM-SAP) 250W	13,35	1	40	0,0494
35005**	CR	M-S (JM-SAP) 400W	14,45	1	40	0,0494
35006	CR	M (JM) 70W	11,40	1	40	0,0494
35007	CR	M (JM) 250W Philips type	12,20	1	40	0,0494
35008	CR	M (JM) 400W Philips type	13,25	1	40	0,0494
35010	CR	QE (MBF) 125W	11,30	1	40	0,0494
35011	CR	QE (MBF) 250W	12,10	1	40	0,0494

* With ignitor.

** Suitable for MH lamps Osram type, see lamps technical specifications.

CL II

CODE	DESCRIPTION	LAMP TYPE	WEIGHT (kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
35051*	CR	S (SAP) 70W	11,40	1	40	0,0494
35052	CR	M-S (JM-SAP) 100W	11,50	1	40	0,0494
35053	CR	M-S (JM-SAP) 150W	12,05	1	40	0,0494
35054**	CR	M-S (JM-SAP) 250W	13,35	1	40	0,0494
35056	CR	M (JM) 70W	11,40	1	40	0,0494
35057	CR	M (JM) 250W Philips type	12,20	1	40	0,0494
35060	CR	QE (MBF) 125W	11,30	1	40	0,0494
35061	CR	QE (MBF) 250W	12,10	1	40	0,0494

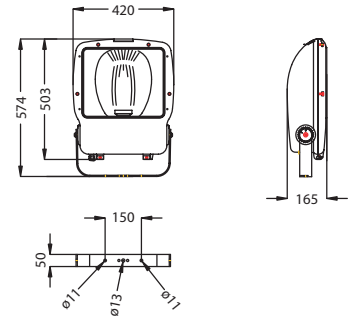
* With ignitor

** Suitable for MH lamps Osram type, see lamps technical specifications.

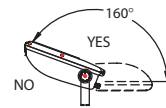
Lamps

	QE (MBF) - E27 125W - E40 250W
	SE (SAP-E) - E27 70W - E40 100-150-250W
	ST (SAP-T) - E27 70W - E40 100-150-250-400W
	MT (JM-T) - E27 70W - E40 100-150-250-400W
	ME (JM-E) - E27 70W - E40 100-150-250W

Dimensions (mm)



Working position



Wind-exposed surface:
m² 0,09 with vertical
addressing 0°.



MACH 5 WAY

ACCESSORIES AND SPARE PARTS

CODE	DESCRIPTION	GROSS WEIGHT (kg)	PACKING (pcs.)	COLOUR	CBMS
60239	Extension arm length mm 850	6,50	1	Silver	0,0415
60235	AKRON 1	0,500	1	Silver	0,0010
60237	AKRON 2	0,500	1	Silver	0,0010
60238	AKRON 3	1,65	1	Silver	0,0082



60239
Extension arm length mm 850.
Zinc plated and steel coated in glazed

The **Akron** installation modular system has been properly studied for the Mach 5 way floodlights and it is available in the following versions:

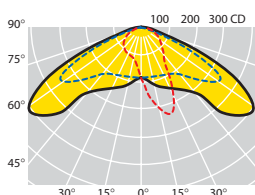


AKRON 1 **codice 60235**
Single top pole mounting support in die cast alluminium block \varnothing mm 60 painted in glazed silver colour.

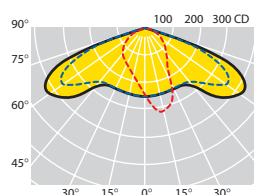
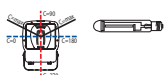
AKRON 2 **codice 60237**
Double top pole mounting support in die cast alluminium twin block \varnothing mm 60 painted in glazed silver colour.

AKRON 3 **codice 60238**
Wall mounting single support for horizontal aiming in die cast alluminium block painted in glazed silver colour.

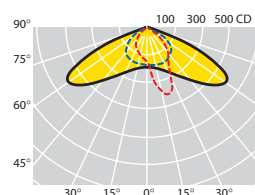
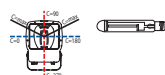
Photometric data



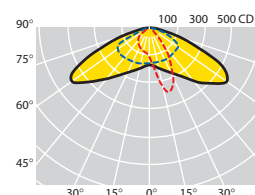
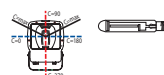
ST (SAP-T) 250W E 40
POS. A C max=15°



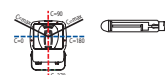
ST (SAP-T) 400W E 40
POS. A C max=5°



ST (SAP-T) 150W E 40
POS. A C max=30°



ST (SAP-T) 150W E 40
POS. B C max=25°



Street Lighting

Insulation Class I - II



MIRA VT



MIRA VTP



MIRA PX



Cover made of polypropylene with mineral filler; stabilized against U.V., grey colour. Hinged opening without the use of tools, locked in the closed position by two steel retaining clips.

Body in die cast aluminium coated with polyester powders in black colour.

Reflector made of a highly pure (99.8%) aluminium pressed sheet, polished and oxidized.

Nondegenerative rubber gasket.

Porcelain lampholder, with focusing device.

Device for line interruption on fitting's opening for maintenance purposes (only for Class II).

Bronze sintered filter positioned on lampholder support.

Prearrangement for the application of a photo cell. Prearrangement for mounting a mains fuse (only for Class II).

Installation on 60-85 mm dia, top entry pole and 45-65 mm dia, side.

The control gear plate, made out for Class II of injection of thermoplastic material and for Class I of a galvanized steel sheet, is complete with connectors which allow its quick disassembly during maintenance operations.

All the electrical components are produced according to the Italian Quality Standards for power 230V - 50 Hz and the street lighting is manufactured according to EN 60598/1 rules.

MIRA VT



Output ratio: semi cut-off.

Reflector made of high transparency borosilicate glass with inner and outer differentiated prismatic surface supported by a frame made of aluminium alloy complete with non-degenerative rubber gasket and retaining screw.

Extraction of the lamp from the hinder part of the reflector with a screwed plug device on which the lampholder is mounted.

wind exposed surface = 0,158 m²

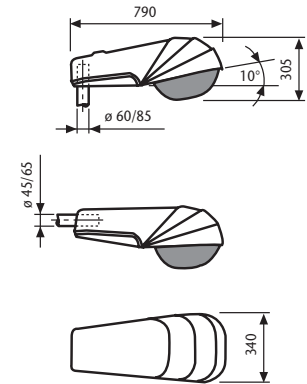
IP 55 OPTICAL ASSEMBLY IP 23 ELECTRICAL ACCESSORIES



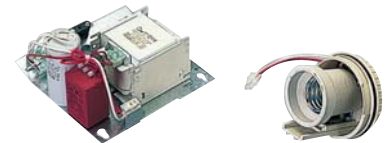
Lamp

	QE (MBF) - E27 80 - 125W - E40 250W
	SE (SAP-E) - E27 70W - E40 100-150-250W
	ST (SAP-T) - E27 70W - E40 100-150-250W
	MT (JM-T) - E40 150 - 250W
	ME (JM-E) - E40 150 - 250W

Dimensions (mm)



Kit cl. I



Kit cl. II



CL I

CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
40400	Body	-	8,40	1	18	0,0890
40440*	KIT	S (SAP) 70W/E	2,30	1	-	0,0100
40450	KIT	S (SAP) 100W	2,71	1	-	0,0100
40460	KIT	M-S (JM-SAP) 150W	3,54	1	-	0,0100
40470	KIT	M-S (JM-SAP) 250W	4,48	1	-	0,0100
40482	KIT	M (JM) 250W Philips type	3,70	1	-	0,0100
40410	KIT	QE (MBF) 80W	2,24	1	-	0,0100
40420	KIT	QE (MBF) 125W	2,45	1	-	0,0100
40430	KIT	QE (MBF) 250W	3,55	1	-	0,0100

* With ignitor

CL II

CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
40300	Body	-	8,60	1	18	0,0890
40310*	KIT	S (SAP) 70W/E	2,32	1	-	0,0083
40320	KIT	S (SAP) 100W	2,50	1	-	0,0083
40330	KIT	M-S (JM-SAP) 150W	3,31	1	-	0,0083
40340	KIT	M-S (JM-SAP) 250W	4,20	1	-	0,0083
40379	KIT	M (JM) 250W Philips type	3,55	1	-	0,0083
40350	KIT	QE (MBF) 80W	1,97	1	-	0,0083
40360	KIT	QE (MBF) 125W	2,18	1	-	0,0083
40370	KIT	QE (MBF) 250W	3,40	1	-	0,0083

* With ignitor

MIRA VTP



Output ratio: cut-off.

Non removable flat tempered glass, sealed to the reflector by non degenerative gasket and mechanical beading.

Extraction of the lamp from the hinder part of the reflector with a screwed plug device on which the lampholder is mounted.

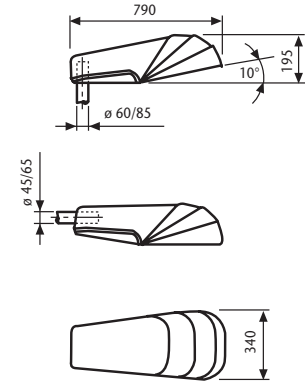
wind exposed surface = 0,115 m²

IP 65 OPTICAL ASSEMBLY
IP 23 ELECTRICAL ACCESSORIES

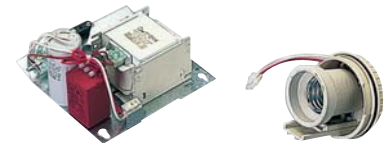
Lamp

	QE (MBF) - E27 80 - 125W - E40 250W
	SE (SAP-E) - E27 70W - E40 100-150-250W
	ST (SAP-T) - E27 70W E40 100-150-250-400W
	MT (JM-T) - E40 150 - 250W
	ME (JM-E) - E40 150 - 250W

Dimensions (mm)



Kit cl. I



Kit cl. II



CL I

CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
40402	Body	-	6,19	1	27	0,0580
40487	Body	ST (SAP-T) 400W	12,18	1	27	0,0580
40440*	KIT	S (SAP) 70W/E	2,30	1	-	0,0100
40450	KIT	S (SAP) 100W	2,71	1	-	0,0100
40460	KIT	M-S (JM-SAP) 150W	3,54	1	-	0,0100
40470	KIT	M-S (JM-SAP) 250W	4,48	1	-	0,0100
40482	KIT	M (JM) 250W Philips type	3,70	1	-	0,0100
40410	KIT	QE (MBF) 80W	2,24	1	-	0,0100
40420	KIT	QE (MBF) 125W	2,45	1	-	0,0100
40430	KIT	QE (MBF) 250W	3,55	1	-	0,0100

* With ignitor

CL II

CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
40302	Body	-	6,68	1	27	0,0580
40377	Body	ST (SAP-T) 400W	12,18	1	27	0,0580
40310*	KIT	S (SAP) 70W/E	2,32	1	-	0,0083
40320	KIT	S (SAP) 100W	2,50	1	-	0,0083
40330	KIT	M-S (JM-SAP) 150W	3,31	1	-	0,0083
40340	KIT	M-S (JM-SAP) 250W	4,20	1	-	0,0083
40379	KIT	M (JM) 250W Philips type	3,55	1	-	0,0083
40350	KIT	QE (MBF) 80W	1,97	1	-	0,0083
40360	KIT	QE (MBF) 125W	2,18	1	-	0,0083
40370	KIT	QE (MBF) 250W	3,40	1	-	0,0083

* With ignitor

MIRA PX

Output ratio: semi cut-off.

Clear U.V. resistant polycarbonate heat resistant non removable bowl, sealed to the reflector by nondegenerative gasket and mechanical beading.

Extraction of the lamp from the hinder part of the reflector with a screwed plug device on which the lampholder is mounted.

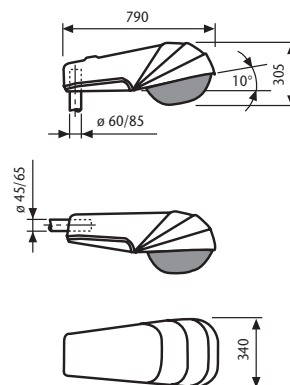
wind exposed surface = 0,158 m²

IP 65 OPTICAL ASSEMBLY IP 23 ELECTRICAL ACCESSORIES

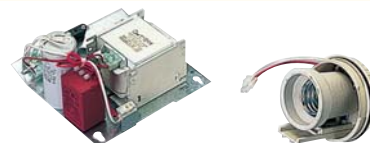


Lamp	
	QE (MBF) - E27 80 - 125W - E40 250W
	SE (SAP-E) - E27 70W - E40 100-150-250W
	ST (SAP-T) - E27 70W - E40 100-150-250W
	MT (JM-T) - E40 150W
	ME (JM-E) - E40 150W

Dimensions (mm)



Kit cl. I



Kit cl. II



CL I

CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
40401	Body	-	6,16	1	18	0,0890
40440*	KIT	S (SAP) 70W/E	2,30	1	-	0,0100
40450	KIT	S (SAP) 100W	2,71	1	-	0,0100
40460	KIT	M-S (JM-SAP) 150W	3,54	1	-	0,0100
40470	KIT	S (SAP) 250W	4,48	1	-	0,0100
40410	KIT	QE (MBF) 80W	2,24	1	-	0,0100
40420	KIT	QE (MBF) 125W	2,45	1	-	0,0100
40430	KIT	QE (MBF) 250W	3,55	1	-	0,0100

* With ignitor

CL II

CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
40301	Body	-	6,36	1	18	0,0890
40310*	KIT	S (SAP) 70W/E	2,32	1	-	0,0083
40320	KIT	S (SAP) 100W	2,50	1	-	0,0083
40330	KIT	M-S (JM-SAP) 150W	3,31	1	-	0,0083
40340	KIT	S (SAP) 250W	4,20	1	-	0,0083
40350	KIT	QE (MBF) 80W	1,97	1	-	0,0083
40360	KIT	QE (MBF) 125W	2,18	1	-	0,0083
40370	KIT	QE (MBF) 250W	3,40	1	-	0,0083

* With ignitor

MIRA

ACCESSORIES AND SPARE PARTS

CODE	DESCRIPTION	GROSS WEIGHT (kg)	PACKING (pcs.)	COLOUR	CBMS
60100	Top entry pole accessory for Mira install with Tilt 18° - 60 mm Max Ø	0,30	1	-	-
60210	Fuse	0,07	-	-	-
60031	Corner bracket composite	1,90	3	Hot galvanizing	0,0021
60030	Wall bracket composite	1,05	4	Hot galvanizing	0,0016
60026	Wall bracket electro welded	1,265	6	Hot galvanizing	0,00257
60063	Corner bracket electro welded	2,60	4	Hot galvanizing	0,00835
40490*	CL I empty gear plate + PL E27	1,04	1	-	0,0100
40495*	CL I empty gear plate + PL E40	1,11	1	-	0,0100
40305*	CL II empty gear plate + PL E27	0,82	1	-	0,0083
40306*	CL II empty gear plate + PL E40	0,97	1	-	0,0083
MITA VT					
04012	Glass bowl	2,30	-	-	-
MITA VTP					
60212	Glass bowl	2,10	-	-	0,0300
MITA PX					
60211	Optical assembly	1,40	-	-	0,0450

* For Extra European countries only



60031



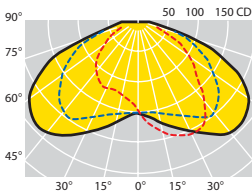
60030
60026



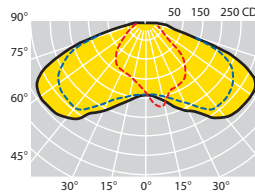
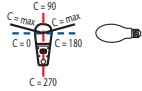
60063

Photometric data

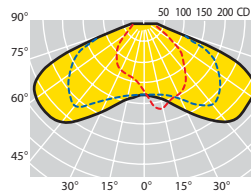
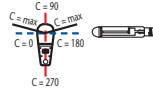
MIRA VT



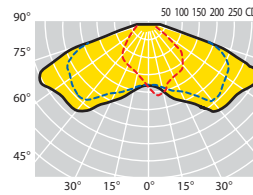
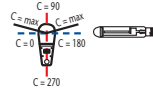
QE (MBF) 250W E40
POS. 250W C max=5°



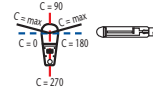
ST (SAP-T) 150W E40
POS. A C max=15°



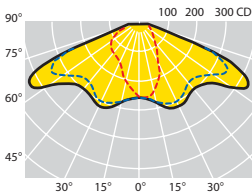
ST (SAP-T) 250W E40
POS. 250W C max=15°



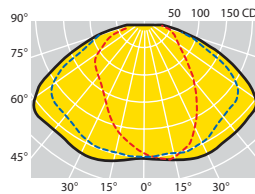
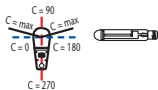
ST (SAP-T) 100W E40
POS. A C max=10°



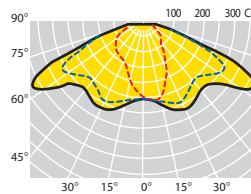
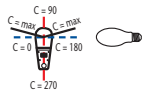
MIRA VTP



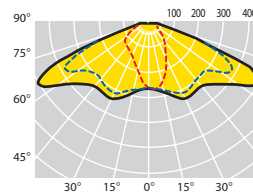
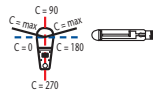
ST (SAP-T) 150W E40
POS. A C max=10°



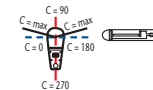
QE (MBF) 250W E40
POS. 250W C max=25°



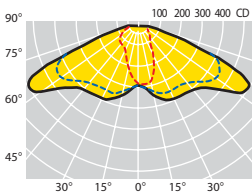
ST (SAP-T) 250W E40
POS. 250W C max=15°



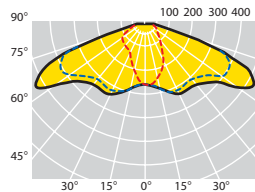
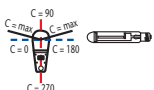
ST (SAP-T) 100W E40
POS. A C max=10°



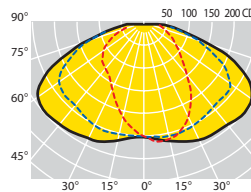
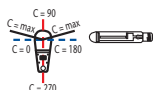
MIRA PX



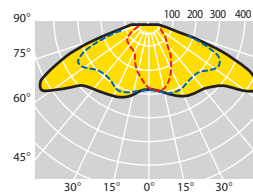
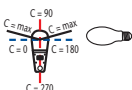
ST (SAP-T) 100W E40
POS. A C max=10°



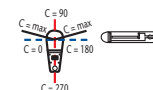
ST (SAP-T) 150W E40
POS. A C max=10°



QE (MBF) 250W E40
POS. 250W C max=25°



ST (SAP-T) 250W E40
POS. 250W C max=15°



Street Lighting

Insulation Class I - II



STAR VP



STAR PC



Star is a street lighting luminaire of easy maintenance for the lighting of roads, residential areas, parks and open spaces.

Technical characteristics

Cover made in aluminium pressed sheet, coated with polyester powders.

Body in die cast aluminium coated with polyester powders in black colour.

Reflector made of a highly pure (99.8%) aluminium pressed sheet, polished and oxidized.

Installation on max 60 mm. diam. top entry pole and on max 60 mm. diam. side entry pole.

Non-degenerative rubber gasket.

Porcelain lampholder, with focusing device.

The control gear plate, for Class I made out of a galvanized steel sheet, for Class II made out of injection of thermoplastic material, is complete with connectors which allow its quick disassembly during maintenance operations.

All the electrical components are produced according to the Italian Quality Standards for power 230V - 50 Hz and the street lighting is manufactured according to EN 60598/1 rules.

Output ratio: cut-off.






The flat tempered glass bowl, hinged to the fitting's body.

The opening and the access to the luminaire's optic is allowed acting on the 2 fore steel retaining clips painted in black colour.

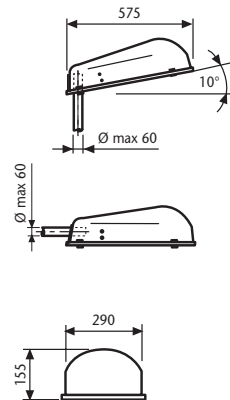
wind exposed surface = 0,072 m²

IP 65 OPTICAL ASSEMBLY
IP 44 ELECTRICAL ACCESSORIES









Lamp

	QE (MBF) - E27 80-125W - E40 250W
	SE (SAP-E) - E27 70W - E40 100-150-250W
	ST (SAP-T) - E27 70W - E40 100-150-250W
	MT (JM-T) - E40 150-250W
	ME (JM-E) - E40 150-250W

Dimensions (mm)










CL I

CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
40516*		S (SAP) 70W/I	7,00	1	48	0,0350
40520		S (SAP) 70W	7,00	1	48	0,0350
40521		S (SAP) 100W	7,15	1	48	0,0350
40522		M-S (JM-SAP) 150W	7,90	1	48	0,0350
40523		M-S (JM-SAP) 250W	9,60	1	48	0,0350
40532		M (JM) 250W Philips type	8,15	1	48	0,0350
40525		QE (MBF) 125W	7,00	1	48	0,0350
40526		QE (MBF) 250W	8,00	1	48	0,0350

* For lamps with incorporated ignitor

CL II

CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
40560		S (SAP) 70W	7,00	1	48	0,0350
40561		S (SAP) 100W	7,15	1	48	0,0350
40562		M-S (JM-SAP) 150W	7,90	1	48	0,0350
40563		M-S (JM-SAP) 250W	9,60	1	48	0,0350
40567		M (JM) 250W Philips type	8,15	1	48	0,0350
40565		QE (MBF) 125W	7,00	1	48	0,0350
40566		QE (MBF) 250W	8,00	1	48	0,0350

STAR PC



Output ratio: semi cut-off.

Clear U.V. resistant polycarbonate bowl, injection made with an anti-falling system hinged to the fitting's body the opening and the access to the luminaire's optics is allowed acting on the 2 fore steel retaining clips.

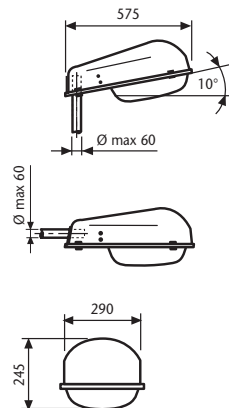
wind exposed surface = 0,091 m²

IP 65 OPTICAL ASSEMBLY
IP 44 ELECTRICAL ACCESSORIES

Lamp

	QE (MBF) - E27 80-125W - E40 250W
	SE (SAP-E) - E27 70W - E40 100-150-250W
	ST (SAP-T) - E27 70W - E40 100-150-250W
	MT (JM-T) - E40 150W
	ME (JM-E) - E40 150W

Dimensions (mm)



CL I

CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
40500		S (SAP) 70W	6,20	1	36	0,0482
40501		S (SAP) 100W	6,40	1	36	0,0482
40502		M-S (JM-SAP) 150W	7,10	1	36	0,0482
40503		S (SAP) 250W	8,74	1	36	0,0482
40504		QE (MBF) 80W	5,80	1	36	0,0482
40505		QE (MBF) 125W	6,20	1	36	0,0482
40506		QE (MBF) 250W	7,20	1	36	0,0482

CL II

CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
40540		S (SAP) 70W	6,20	1	36	0,0482
40541		S (SAP) 100W	6,40	1	36	0,0482
40542		M-S (JM-SAP) 150W	7,10	1	36	0,0482
40543		S (SAP) 250W	8,74	1	36	0,0482
40544		QE (MBF) 80W	5,80	1	36	0,0482
40545		QE (MBF) 125W	6,20	1	36	0,0482
40546		QE (MBF) 250W	7,20	1	36	0,0482

STAR VP/PC Bi-Power System



IP 65

IP 44

The bi-power system equipped in this fixture is an optimal method to obtain energy savings up to 45%, also guaranteeing levels of constant illuminances.

The system consists in a power supply with one added impedance, in a control relay, in the capacitor and ignitor (only for high pressure sodium lamps). When high illuminance levels are requested, the lamp works in standard conditions. When it's necessary to reduce the power used, the relay acts on the power supply impedance which reduces the lamp current, the absorbed power and the luminous flux. wind exposed surface:

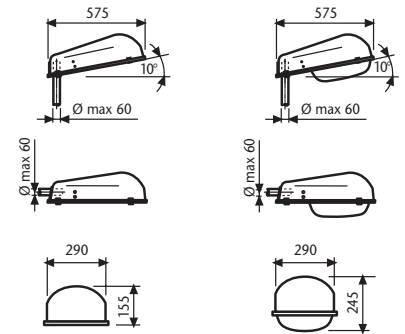
- STAR VP = 0,072 m²
- STAR PC = 0,091 m²

IP 65 OPTICAL ASSEMBLY
IP 44 ELECTRICAL ACCESSORIES

Lamp

	QE (MBF) - E27 80-125W
	SE (SAP-E) - E27 70W - E40 100-150W
	ST (SAP-T) - E27 70W - E40 100-150W

Dimensions (mm)



CL I

CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
40600	STAR VP 70/50W	S (SAP) 70W	7,30	1	48	0,035
40596	STAR VP 100/70W	S (SAP) 100W	7,45	1	48	0,035
40597	STAR VP 150/100W	S (SAP) 150W	8,20	1	48	0,035
40598	STAR VP 80/50W	QE (MBF) 80W	6,90	1	48	0,035
40599	STAR VP 125/80W	QE (MBF) 125W	7,30	1	48	0,035
40601	STAR PC 70/50W	S (SAP) 70W	6,50	1	36	0,0482
40591	STAR PC 100/70W	S (SAP) 100W	6,70	1	36	0,0482
40592	STAR PC 150/100W	S (SAP) 150W	7,40	1	36	0,0482
40593	STAR PC 80/50W	QE (MBF) 80W	6,10	1	36	0,0482
40594	STAR PC 125/80W	QE (MBF) 125W	6,50	1	36	0,0482

STAR

ACCESSORIES AND SPARE PARTS

CODE	DESCRIPTION	GROSS WEIGHT (kg)	PACKING (pcs.)	COLOUR	CBMS
60031	Corner bracket composite	1,90	3	Hot galvanizing	0,0021
60030	Wall bracket composite	1,05	4	Hot galvanizing	0,0016
60026	Wall bracket electro welded	1,265	6	Hot galvanizing	0,00257
60063	Corner bracket electro welded	2,60	4	Hot galvanizing	0,00835
STAR VP					
60230	Glass complete of support	1,37	-	-	-
STAR PC					
60220	Polycarbonate bowl	0,61	-	-	-



60031



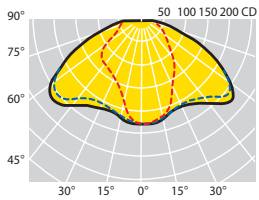
60030
60026



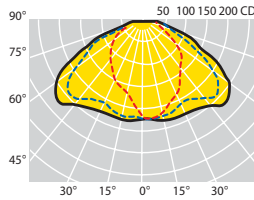
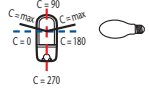
60063

Photometric data

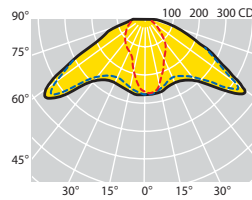
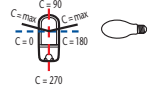
STAR VP



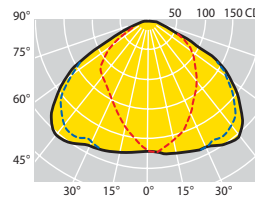
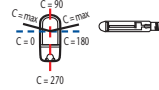
SE (SAP-E) 70W E27
POS. F C max=10°



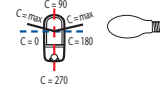
QE (MBF) 125W E27
POS. D C max=15°



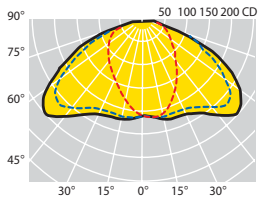
ST (SAP-T) 150W E40
POS. B C max=10°



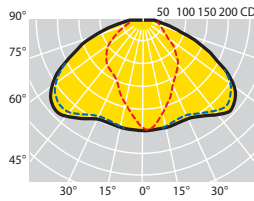
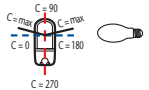
SE (SAP-E) 250W E40
FIXED POS. C max=15°



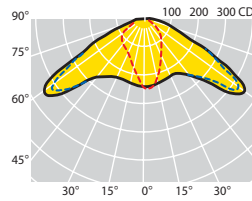
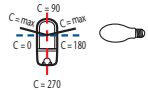
STAR PC



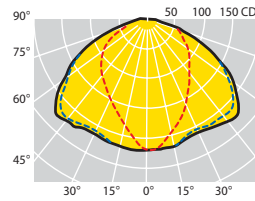
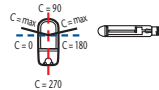
SE (SAP-E) 70W E27
POS. F C max=15°



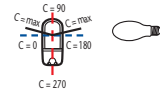
QE (MBF) 125W E27
POS. F C max=5°



ST (SAP-T) 150W E40
POS. B C max=5°



QE (MBF) 250W E40
FIXED POS. C max=10°



ROMA

Body and fixing device made of die cast aluminium coated with polyester powders in silver colour.
Reflector made of polished and oxidized 99.8% purity aluminium.

Electrical gear box made of black non aging plastic material.

Removable fittings plate made of steel.

Porcelain lamp holder, connecting wires with silicon rubber insulation and vetotex sheath, connecting clamp and power supply cable anchoring device.

Clear polycarbonate bowl, UV resistant, with gasket and locking clips.

Installation on 60 mm dia. pole in three positions:

- horizontal
- straight with body at 0°
- straight with body bent at 20°

All the electrical components are produced according to the Italian Quality Standards for power 230V - 50 Hz and the street lighting is manufactured according to EN 60598/1 rules.

wind exposed surface:

- with BOWL = 0,098 m²
- without BOWL = 0,073 m²

IP 43 ELECTRICAL ACCESSORIES
IP 23 OPTICAL ASSEMBLY WITHOUT BOWL
IP 44 OPTICAL ASSEMBLY WITH BOWL

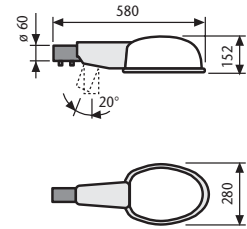


CE zik IP 43 IP 23 IP 44

Lamp

	QE (MBF) - E27 80-125W - E40 250W
	SE (SAP-E) - E27 70W - E40 100-150-250W
	ST (SAP-T) - E27 70W - E40 100-150-250W
	MT (JM-T) - E40 150W
	ME (JM-E) - E40 150W

Dimensions (mm)



Bowl



KIT



CL I

CODE	DESCRIPTION	LAMP TYPE	GROSS WEIGHT (kg)	PACKING (pcs.)	PALLET (pcs.)	CBMS
40057	Empty Body	-	1,98	1	48	0,0330
40058	KIT	QE (MBF) 80W	1,69	1	-	0,0046
40059	KIT	QE (MBF) 125W	1,95	1	-	0,0046
40060	KIT	QE (MBF) 250W	3,13	1	-	0,0046
40061*	KIT	S (SAP) 70W/I	1,95	1	-	0,0046
40062	KIT	S (SAP) 70W 2.3 KV	2,11	1	-	0,0046
40064	KIT	S (SAP) 100W	2,22	1	-	0,0046
40065	KIT	M-S (JM-SAP) 150W	3,16	1	-	0,0046
40090	ROMA Body	S (SAP) 250W	5,93	1	-	0,0330
60176	Bowl	-	0,62	1	48	0,0062

* For lamps with incorporated ignitor

ROMA

ACCESSORIES AND SPARE PARTS

CODE	DESCRIPTION	GROSS WEIGHT (kg)	PACKING (pcs.)	COLOUR	CBMS
60031	Corner bracket composite	1,90	3	Hot galvanizing	0,0021
60030	Wall bracket composite	1,05	4	Hot galvanizing	0,0016
60026	Wall bracket electro welded	1,265	6	Hot galvanizing	0,00257
60063	Corner bracket electro welded	2,60	4	Hot galvanizing	0,00835
40066*	Empty gear plate + PL E27	0,52	1	-	0,0046
40067*	Empty gear plate + PL E40	0,68	1	-	0,0046

* For Extra European countries only



60031

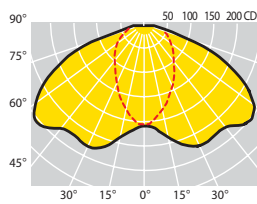


60030
60026

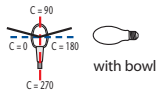


60063

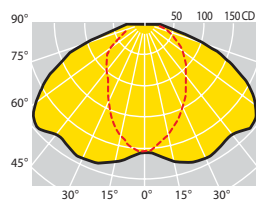
Photometric data



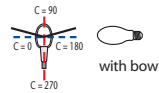
QE (MBF) 125W E27
C max=0°



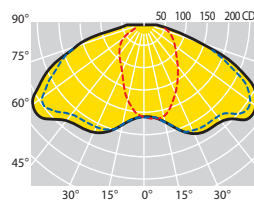
with bowl



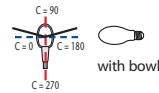
QE (MBF) 250W E40
C max=0°



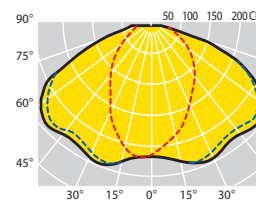
with bowl



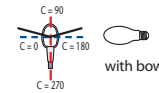
SE (SAP-E) 70W E27
C max=5°



with bowl



SE (SAP-E) 150W E40
C max=10°



with bowl