



Airfield Lighting

For your runway and taxiway safety

PHILIPS

sense **and** simplicity

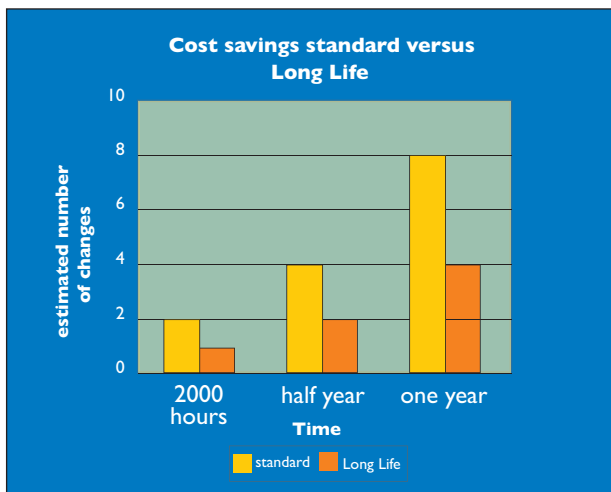
Philips Long Life lamps – an innovative breakthrough

Philips has successfully developed a series of Pk30d, Bi-Pin and T10 Long Life lamps with extended lifetime. The specification allows for a simple exchange of current industry standard lamps with new Philips Long Life series.

Philips **Long Life** lamps offering following features and benefits:

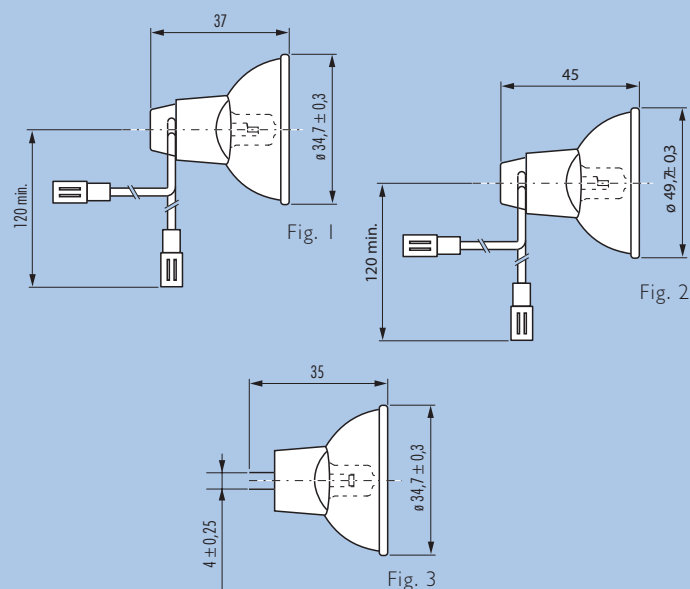
- Pk30d availability in 45W, 65W, 100W and 150W
- Bi-pin GZ9,5 available in 30W, 45W and 200W
- T10 Halogen available in 30W and 45W
- 2000 hrs. average life vs. 1000 hrs. for standard range (at 6,6A)
- 50% longer life for 45W and 200W Bi-pin (at 6,6A)
- Longer service intervals
- Less maintenance costs
- Environmental friendly product (lead and mercury free)

Long Life lamps are definitely the perfect solution to secure longer replacement cycles and to improve the reliability of runway and taxiway lighting.



We offer an extensive range of halogen & standard incandescent bulbs specified for airfield runway and taxiway fixtures that fulfil FAA, ICAO and other national and international regulations. The high reliability guarantees long replacement cycles and low maintenance cost. All new products are designed under environmental friendly aspects (lead and mercury free).

Halogen airfield lamps – Dichroic reflector



Dimension in mm

Technical and ordering data

Type	Current A	Wattage W	Base	axial light intensity kcd	Average life hrs.	Fig.	Ordering number
6137	6,6	35	GZ4	min. 4,5	1500	3	9230 759 859
6102	6,6	40	cable round female connector ¹⁾	min. 10,5	1500	1	9230 187 859
6104	6,6	40	cable flat male connector ²⁾	min. 10,5	1500	1	9230 191 859
6110	6,6	40	cable flat female connector ³⁾	min. 10,5	1500	1	9230 197 859
6101	6,6	48	cable flat female connector ³⁾	min. 20,0	1500	2	9230 188 859
6106	6,6	48	cable flat male connector ²⁾	min. 20,0	1500	2	9230 193 859
6107	6,6	48	cable round female connector ¹⁾	min. 20,0	1500	2	9230 198 859
6109	6,6	48	cable round female connector ¹⁾	min. 23,0	1000	2	9230 750 859
6138	6,6	48	cable flat male / female connector ⁵⁾	min. 25,0	500	2	9230 760 859
6141	6,6	62	cable flat female connector ^{1) 4)}	-	1500	2	9230 768 859
6142	6,6	62	GX5,3	-	1500	-	9230 769 859
6103	6,6	105	cable round female connector ¹⁾	min. 30,0	1000	2	9230 189 859
6105	6,6	105	cable flat female connector ³⁾	min. 30,0	1000	2	9230 192 859
6108	6,6	105	cable flat male connector ²⁾	min. 30,0	1000	2	9230 199 859
6143	6,6	48	cable flat female ⁶⁾	min. 23,0	1000	2	9230 770 859

¹⁾ 4 mm diameter

²⁾ flat male connector, complying with DIN 46248

³⁾ flat female connector, complying with DIN 46247

⁴⁾ 16" cable length

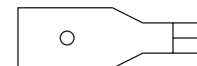
⁵⁾ with 60 mm sleeve

⁶⁾ with rectangular female connector

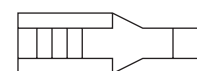
Round female connector



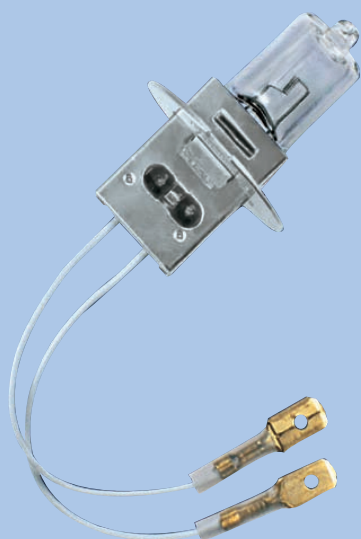
Flat male connector



Flat female connector



Halogen airfield lamps – Prefocus (Pk), cable connection



Prefocus Pk

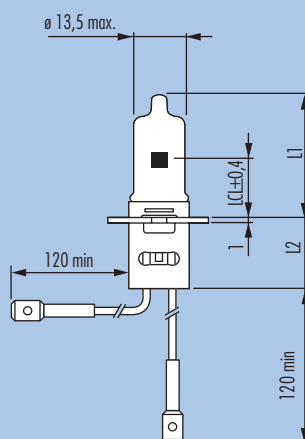


Fig. 1

Dimension in mm

Type	L1 max.in mm	L2 max.in mm
6303	37	21
6115	41	17
6130	28	27
6131	28	27
6132	32	23
6133	32	23
6304	32	21
6125	32	21
6312	41	17
6116	41	17
6120	32	23
6121	32	23
6122	32	23
6118	35	23
6392	35	23
6313	41	21
6117	41	21
6139	41	21

Technical and ordering data

Type	Current A	Wattage W	Base	Connec- tor	Lumi- nous flux Lm	Average life hrs.	LCL mm	Filament	Fig.	Ordering number
6303	6,6	45	Pk30d	male	800	1000	16	C-8	I	9246 006 859
6303LL	6,6	45	Pk30d	male	800	2000	16	C-8	I	9230 754 859
6115	6,6	45	Pk30d	male	800	1000	20	C-8	I	9230 172 859
6130	6,6	45	PKX30d	female	800	1000	16	C-8	I	9230 181 859
6131	6,6	45	PKX30d	male	800	1000	16	C-8	I	9230 182 859
6132	6,6	45	PKX30d	female	800	1000	20	C-8	I	9230 183 859
6133	6,6	45	PKX30d	male	800	1000	20	C-8	I	9230 184 859
6304	6,6	65	PKX30d	male	1450	1000	20	CBAR-6	I	9230 170 859
6125	6,6	65	PKX30d	female	1450	1000	20	CBAR-6	I	9230 185 859
6125LL	6,6	65	PKX30d	female	1450	2000	20	CBAR-6	I	9230 755 859
6312	6,6	100	Pk30d	male	2400	1000	20	CBAR-6	I	9246 007 859
6116	6,6	100	Pk30d	male	2700	1000	20	CBAR-6	I	9230 175 859
6116LL	6,6	100	Pk30d	male	2700	2000	20	CBAR-6	I	9230 756 859
6120	6,6	100	PKX30d	female	2400	1000	20	CBAR-6	I	9230 178 859
6121	6,6	100	PKX30d	female	2700	1000	20	CBAR-6	I	9230 179 859
6122	6,6	100	PKX30d	male	2700	1000	20	CBAR-6	I	9230 180 859
6118	6,6	150	PKX30d	female	3600	1000	20	CBAR-6	I	9230 177 859
6392	6,6	150	PKX30d	male	3600	1000	20	CBAR-6	I	9230 174 859
6392LL	6,6	150	PKX30d	male	3600	2000	20	CBAR-6	I	9230 757 859
6313	6,6	200	Pk30d	male	4400	1000	20	CC-6	I	9246 008 859
6117	6,6	200	Pk30d	male	4800	1000	20	CC-6	I	9230 176 859
6139	6,6	200	Pk30d	female	4800	1000	20	CC-6	I	9230 764 859

Remark: Pk30d and Pkx30d base is full interchangeable
Bold marked types are Long Life lamps

Halogen airfield lamps – Bipin



Bipin GZ9,5

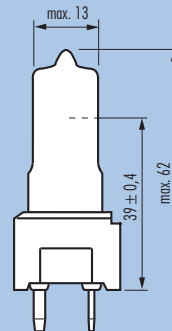


Fig. 1

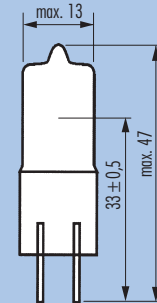


Fig. 2

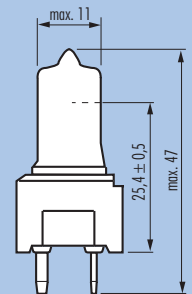


Fig. 3

Dimension in mm

Technical and ordering data

Type	LIF ANSI	Current A	Wattage W	Base	Lumi- nous flux Lm	Average life hrs.	LCL mm	Filament	Fig.	Ordering number
6112LL	EXL	6,6	30	GZ9,5	375	2000	25,4	C-8	3	9230 751 859
6123	J1/57	6,6	45	G6,35	840	1200	33	C-8	2	9230 752 859
6134LL	EXM	6,6	45	GZ9,5	800	1500	25,4	C-8	3	9230 186 859
6343	J1/58	6,6	100	G6,35	2300	1200	33	CBAR-6	2	9230 196 859
6128	EVV	6,6	120	GZ9,5	3150	500	39	CBAR-6	1	9230 190 859
6292	EWR	6,6	150	GY9,5	3750	750	39	CBAR-6	1	9238 994 859
6373	J1/39	6,6	200	G6,35	4700	1200	33	CBAR-6	2	9230 194 859
6372LL	EZL	6,6	200	GZ9,5	5000	750	39	C-6	1	9239 250 859

Remark: Bold marked types are Long Life lamps

Conventional airfield lamps - Prefocus



Conventional
prefocus

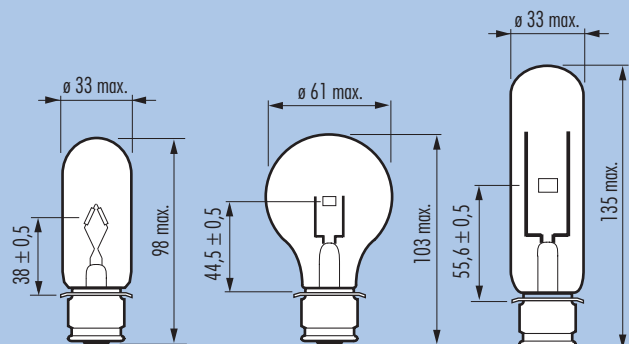


Fig. 1

Fig. 2

Fig. 3

Dimension in mm

Technical and ordering data

Type	Current	Wattage	Base	Lumi- nous flux Lm	Average life hrs.	LCL mm	Filament	Fig.	Ordering number
	A	W							
7669C	6,6	30	P28s	450	1000	38	C-2V	1	9224 000 85901
7669H	6,6	30	P28s	450	2000	38		1	9230 761 85931
7654C	6,6	45	P28s	730	1000	38	C-2V	1	9224 020 85901
7654H	6,6	45	P28s	730	2000	38		1	9230 762 85931
7668C	6,6	100	P28s	1850	1000	38	C-2V	1	9224 049 85901
7670C	6,6	200	P28s	4600	200	44,5	CC-6	2	9224 062 85901
6936C	6,6	210	P28s	4500	300	55,6	C-13	3	9224 185 85901

Remark: Bold marked types are Halogen Long Life types

Airfield Lamps – Cross-reference/Replacement Guide

LIF Ref. types	Equivalent Philips types	Remarks and differences
J1/2	7669C	7669C 450Lm versus J1/2 400Lm
J1/3	7669C	7669C 450Lm /1000h versus J1/3 420Lm 400h
J1/12	7654C	7654C 730Lm versus J1/12 675lm
J1/13	7654C	7654C 730Lm/1000h versus J1/13 640Lm 400h
J1/23	7668C	-
J1/24	7668C	7668C 1700Lm/1000h versus J1/24 1400Lm 400h
J1/39	6373	-
J1/43	6936C	6936C 210W/4500Lm 300h versus J1/43 200W/4200Lm/120h
J1/57	6123	-
J1/58	6343	-
J1/76	6303	-
J1/77	6130	-
J1/79	6121	-
J1/80	6116	-
J1/83	6118	-
J1/84	6313	-
J1/85	6101	6101 48W
J1/87	6125	-
J1/88	6102	-

SLI - types	Equivalent Philips types	Remark and differences
L2352 / 24522	6107	-
L2358 / 21496	6101	-
L2359 / 21497	6106	-
L2362 / 24526	6103	-
L2368 / 21498	6105	-
L2369 / 21499	6108	-
L2370 / 21500	6102	-
L2500 / 21757	6112	-
L2501 / 21686	6134	-
L2502 / 24529	6292	-
L2504 / 21696	6372	-
L2505	6128	-
L2511 / 22214	6123	-
L2513 / 22212	6343	-
L2514 / 22211	6373	-

OSRAM types	Equivalent Philips types	Remarks and differences
64316	6115	-
64317	6303	-
64318	6130	-
64318Z	6131	-
64319	6132	-
64319Z	6133	-
64320	6134	-
64321	6123	-
64322	6112	-
HLX64328	6125	-
HLX64328Z	6304	-
64333-A	6110	-
64333-B	6102	-
64333-C	6104	-
64337A45-15	6101	6101 48W 20kcd
64337B45-15	6107	6107 48W 20kcd
64337A48-15	6101	-
64337B48-15	6107	-
64337C48-15	6106	-
64338 AC	6138	-
64339-A	6105	-
64339-B	6103	-
64339-C	6108	-
64341	6120	-
HLX64341	6121	-
HLX64341Z	6122	-
64342	6312	-
HLX64342	6116	-
64346	6343	-
64354	6292	-
HLX64361	6118	-
HLX64361Z	6392	-
64382	6313	-
HLX64382	6117	-
HLX64382 A	6139	-
64386	6373	-

GE - types	Equivalent Philips types	Remark and differences
EVV	6128	-
EWR	6292	-
EXL	6112	-
EXM	6134	-
EZL	6372	-
Q200/T4/CL	6372	-
6,6A/T10P	7654C or H	-
6,6A/T10/IP	7669C or H	-
6,6A/T10/2P	7668C	-
6,6A/T14/3P	6936C	-

