

Product Information Bulletin

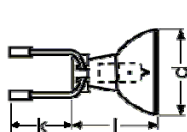
AIRFIELD LAMPS

Incandescent and Halogen Lamps for Current and Voltage-Controlled Airfield Lighting Applications

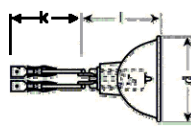


Airfield lighting systems are necessary for aviation safety. They provide essential visual guidance for approach, landing, taxiing and take-off. This presents a rigorous challenge in terms of performance and reliability of the light sources.mj

OSRAM SYLVANIA lamps for the airfield lighting industry provide reliable solutions for complex optical systems. State-of-the-art manufacturing yields high quality lamps with precision filament alignment that is required in these demanding applications.



1



2



3



A – Female Flat



B – Female Round



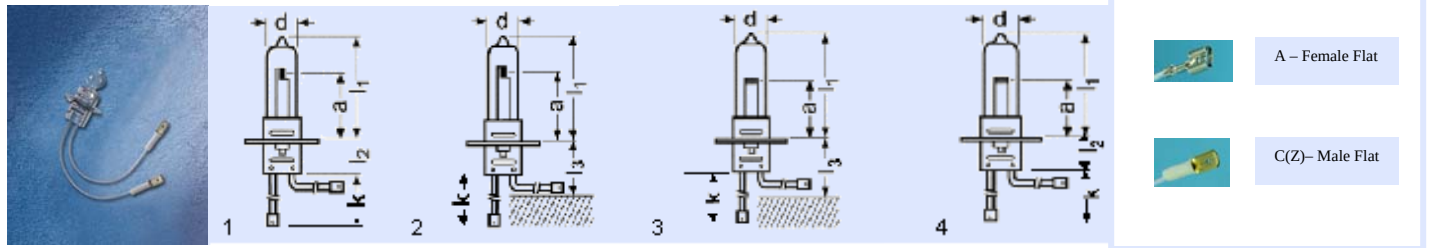
C – Male Flat

TABLE 1
REFLECTOR LAMPS, FOR SERIES OPERATION AT 6.6 AMPERES

Naed Code	Description	Watts (W)	Bulb Type	Connector or Base	Min Luminous Intensity (cd)	Avg Life (h)	Max d (mm)	Max l (mm)	Min k (mm)	Fig	Case Qty
58938	6.6A/30MR16/64331AC/FL	30	MR16	Male/Female	4,300	1000	50.2	45.6	125	2	20
58964	6.6A/30MR16/64331A FL	30	MR16	Female flat	4,300	1000	50.2	45.6	125	2	20
58506	6.6A/30MR16/64331A/SP	30	MR16	Female flat		1000	50.2	45.6	125	2	20
58899	6.6A/40MR11/64333A	40	MR11	Female flat	10,000	1000	35.3	37.0	130	2	20
58889	6.6A/40MR11/64333B	40	MR11	Female round ¹	10,000	1500	35.3	37.0	130	1	20
58907	6.6A/45MR16/64337A 45-15	45	MR16	Female flat	19,000	1500	50.2	45.6	125	2	20
58908	6.6A/45MR16/64337B 45-15	45	MR16	Female round ¹	19,000	1500	50.2	45.6	130	1	20
58891	6.6A/48MR16/64337A 48-15	48	MR16	Female flat	20,000	1500	50.2	45.6	125	2	20
58894	6.6A/48MR16/64338AC	48	MR16	Male/Female	20,000	1500	50.2	45.6	125	2	20
58493	6.6A/62MR16/64336A	62	MR16	Female flat	28,000	1500	50.2	45.6	125	2	20
58953	6.6A/105MR16/64339A	105	MR16	Female flat	30,000	1000	50.2	45.6	125	2	20
58961	6.6A/105MR16/64339B	105	MR16	Female round ¹	30,000	1000	50.2	45.6	130	2	20
58963	6.6A/105MR16/64339C	105	MR16	Male flat	30,000	1000	50.2	45.6	125	2	20
58960	6.6A/105MR16/64339AC	105	MR 16	Male/Female	30,000	1000	50.2	45.6	125	1	20
56220	6.6A/200PAR64Q/2P	200	PAR64	Gx16D	175,000	2000	203	114.3		3	6
56222	6.6S/600PAR64/Q4559	600	PAR64	G53	max. CBCP 600,000 max. CBCP	100	203	101.6		3	6
56223	Q4559X 28V	600	PAR64	G53	765,000 max. CBCP	100	203	101.6		3	6

¹ For 4 mm pin

TABLE 2
LAMPS WITH PK30D BASE, FOR SERIES OPERATION AT 6.6 AMPERES

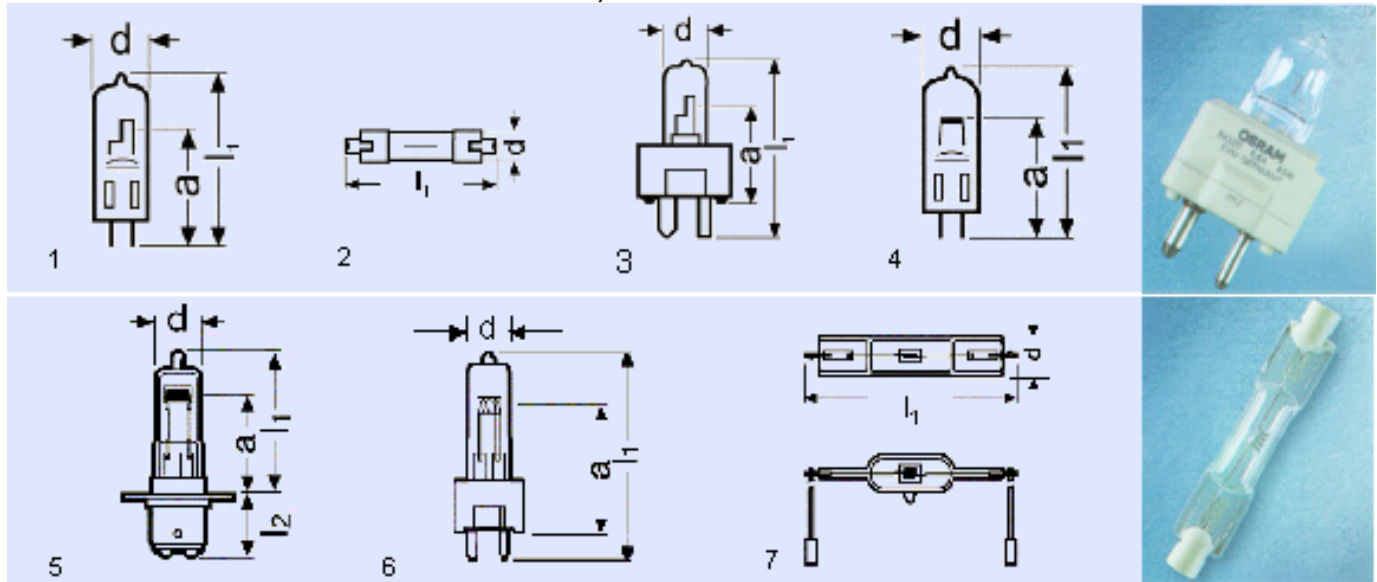


NAED Code	Description	LIF	Watts (W)	Luminous Flux (lm)	Connector	Filament	Filament dimensions w x h (mm)	a (mm)	Max d (mm)	Max l ₁ (mm)	Max l ₂ (mm)	Min l ₃ (mm)	Min k (mm)	Fig	Case Qty
58705	6.6A/45T4/CL/64317	J1/76	45	800	Male	C-8	1.4 x 3.6	16	13.5	37	21		115	1	100
58877	6.6A/45T4CL/64318	J1/77	45	800	Female	C-8	1.4 x 3.6	16	13.5	28		27	115	2	100
58697	6.6A/45T4/64319A		45	800	Female	C-8	1.4 x 3.6	20	13.5	32		23	115	2	100
58722	6.6A/45T4/64319Z		45	800	Male	C-8	1.4 x 3.6	20	13.5	32		23	115	2	100
58726	6.6A/65T4/64328Z/HLX		65	1450	Male	Cbar-6	3.3 x 3.2	20	13.5	32		21	115	3	100
58709	6.6A/100T4/64341/HLX	J1/79	100	2700	Female	Cbar-6	5.4 x 3.0	20	13.5	32		23	115	3	100
58703	6.6A/100T4/64341Z/HLX		100	2700	Male	Cbar-6	5.4 x 3.0	20	13.5	32		23	115	3	100
58706	6.6A/100T4/64342/HLX	J1/80	100	2700	Male	Cbar-6	5.4 x 3.0	20	13.5	41	17		115	4	100
58717	6.6A/150T4/64361/HLX	J1/83	150	3600	Female	Cbar-6	7.2 x 3.6	20	13.5	35		23	115	3	100
58724	6.6A/150T4/64361Z/HLX		150	3600	Male	Cbar-6	7.2 x 3.6	20	13.5	35		23	115	3	100
58649	6.6A/200T4/64382A/HLX		200	4800	Female	CC-6	7.1 x 3.9	20	13.5	43	21		115	4	100
58708	6.6A/200T4/64382C/HLX	J1/84	200	4800	Male	CC-6	7.1 x 3.9	20	13.5	43	21		115	4	100

Average life: 1000 h at 6.6 A

Operating position: s 90 (vertical-to-horizontal, base down)

TABLE 3
SINGLE-ENDED AND DOUBLE-ENDED LAMPS, FOR SERIES OPERATION



SINGLE ENDED

NAED Code	Description	LIF/ ANSI	Current (A)	Watts (W)	Base	Luminous Flux (lm)	Avg Life (h)	Burning Position	Filament	Filament dimensions w x h (mm)	a (mm)	Max d (mm)	Max l ₁ (mm)	Fig	Case Qty
58850	6.6A/30T3.5/64322/EXL/DL	EXL	6.6	30	GZ9.5	400	2000	Any	C-8	4.4 x 5.5	25.4	11.5	44.5	3	12
58846	6.6A/45T3.5Q/64320/EXM	EXM	6.6	45	GZ9.5	900	1000	s 90	C-8	1.4 x 3.3	25.4	14.0	44.5	3	12
58892	6.6A/45T3.5/EXM	EXM	6.6	45	GZ9.5	875	1000	s 90	C-8	1.4 x 3.3	25.4	14.0	44.5	3	12
59928	6.6A/45T3.5Q/64321	J1/57	6.6	45	G6.35	840	1200	s 90	C-8	1.3 x 3.6	33	11.5	45.0	1	40
58854	6.6A/115T4Q/58798/2PPF/EVV/DL	EVV	6.6	115	GY9.5	2900	1100	s 90		6.5 x 3.1	39.1	13.0	65.0	3	12
58855	6.6A/150T4Q/64354/EWR/DL	EWR	6.6	150	GY9.5	4000	1500	Any	Cbar-6	6.4 x 4.2	39.1	13.0	56.5	6	12
58851	6.6A/200T4Q/2PPF/58750/EZL/DL	EZL	6.6	200	GY9.5	5200	1300	Any	CC-6	5.5 x 3.8	39.1	13.0	65.0	6	12
59078	6.6A/200T4/64386	J1/39	6.6	200	G6.35	4700	1200	s 90	Cbar-6	6.9 x 4.5	33	13.5	47.0	4	40
58821	6.6A/200T4Q/CL/DCR/58746/DL		6.6	200	P30d	5200	1300	Any	CC-6	5.5 x 3.8	27	13.5	60.3/20.6	5	100

Operating Burning position: s 90 = vertical-to-horizontal, base down burning position; p 15 = horizontal within 15 degrees

DOUBLE ENDED

NAED Code	Description	LIF/ ANSI	Current (A)	Watts (W)	Base	Luminous Flux (lm)	Avg Life (h)	Burning Position	Filament	Filament dimensions w x h (mm)	Max d (mm)	Max I _l (mm)	Fig	Case Qty
58704	6.6A/45T3CL/64315	J1/78	6.6	45	R7s	750	1000	Any	C-8	4.0 x 1.5	8.8	47.5	2	25
	64340	J1/82	6.6	100	R7s	2000	1000	Any	CC-8	6.0 x 2.6	12.0	60.2	2	
58707	6.6A/200T5/CL/64380	J1/40	6.6	200	R7s	4400	1000	Any	CC-8	10.0 x 3.0	15.0	60.2	2	25

TABLE 4
INCANDESCENT LAMPS FOR AIRFIELD APPLICATIONS

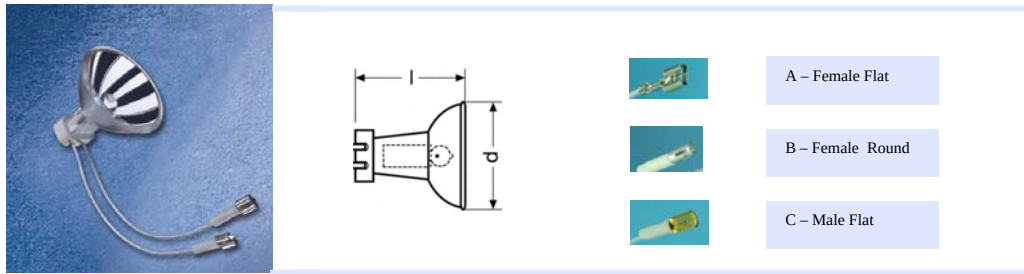
NAED Code	Description	Current (A)	Watts (W)	Bulb Type	Base	Luminous Flux (lm)	Avg Life (h)	MOL (in)	LCL (in)	Case Qty
17980	6.6A/30T10/1P	6.6	30	T10	Med. Pf.	400	1000	3.94	1.5	60
17981	6.6A/45T10/P	6.6	45	T10	Med. Pf.	675	1000	3.94	1.5	60

Operating position base down only

TABLE 5
INCANDESCENT AND HALOGEN LAMPS FOR VOLTAGE-CONTROLLED APPLICATIONS

NAED Code	Description	Voltage (V)	Watts (W)	Bulb Type	Base	Luminous Flux (lm)	Avg Life (h)	MOL (in.)	LCL (in.)	Case Qty
18037	15T6 120V	120	15	T6	Candelabra	111	2000	3.06		60
18185	15T7C 120V	120	15	T7	Candelabra	111	1000	2.25	1.5	60
10018	15A15/CL 120V	120	15	A15	Medium	105	2500	3.5	2.38	120
18173	15T7N 120V	120	15	T7	Intermediate	115	1000	2.25	1.56	60
11090	25A/RS 120V	120	25	A19	Medium	210	1000	3.94	2.5	120
18359	25T8N 120V	120	25	T8	Intermediate	230	1000	2.63	1.31	60
10693	25A/CL 120V	120	25	A19	Medium Brass	190	2500	3.94	2.50	120
18907	42A/CAP 120V	120	42	A19	E26 Medium	570	3500	4.38	3.13	12
18922	52A/CAP 130V	130	52	A19	E26 Medium	770	3500	4.38	3.13	12
10441	54A19TS/8M/SS 120V-125V	120	54	A19	Medium Brass	515	8000	4.44	2.44	120
18960	60A/HAL 120V	120	60	A19	E26 Medium	960	3000	4.38	3.13	12
12496	69A21/TS/8M 120V	120	69	A21	Medium Brass	640	8000	4.44	2.44	24
11151	90A19/TS/8M/SS 120V-125V	120	90	A19	Medium Brass	1000	8000	4.44	2.44	120
12833	116A21/TS/8M 120V	120	116	A21	Medium Brass	1260	8000	4.44	2.44	24
14594	120PAR38/CAP/SPL/WFL/55 120V	120	120	PAR38	E26 Medium Skirted	1800	3000	5.31		15
56210	500PAR56Q/NSP 120V	120	500	PAR56	GX16D	8800	4000	5.00		12
54648	EGE	120	500	T5	P28s (Med. Pf.)	10,000	2000	5.70	3.47	12
54652	EGG	120	750	T5	P28s (Med. Pf.)	15,000	2000	5.70	3.47	12
56206	100PAR64Q/NSP 120V	120	1000	PAR64	GX16D	19,400	4,000	6.00		6

TABLE 6
Infrared Coating (IRC) Reflector at 6.6 amperes



NAED Code	Description	Watts (W)	Current (A)	Connector	Bulb Type	Color Rendering Index	Avg Life (h)	Luminous Intensity (cd)	Burning Position	Max d (mm)	Max.I (mm)	Case Qty
58905	6.6A48MR16/64337AII IRC	48	6.6	Female flat	MR16	100	3000	20,000	Any	50.2	45.6	20
58906	6.6A/48MR16/64337 BII IRC	48	6.6	Female round	MR16	100	3000	20,000	Any	50.2	45.6	20
58952	6.6A/48MR16/64337 CII IRC	48	6.6	Male flat	MR16	100	3000	20,000	Any	50.2	45.6	20

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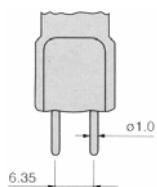
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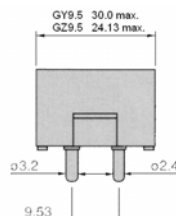
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Typical Bases and Connectors (Measurements in millimeters)

G6.35



GY9.5/GZ9.5



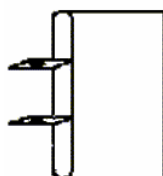
P30d

(Double Contact Ring or DCR)

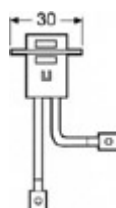


Gx16d

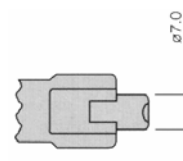
(External Mogul End Prong)



Pk30d



R7s



Male



Female Flat



Female Round

