

# Lamps for Airfield Applications

Fig.	Part number	MOL	Watt	Description	Lamp Life (hrs)	Case
1	LA-12V/20W	1.5"(T2.5)	20	Qtz Lamp Assembly (for LOVA signs)	2000	N/A
2	LA-11478	1.75"(T3.5)	30	6.6A, EXL, Qtz, T3.5, GZ9.5, 1.75". Life Hours: 1000. Application: L861. Substitution: ADB: 48A0085, Amglo: AHV-6.6A-30WD-40CM, Crouse Hinds: 40737, GE: 11478, Honeywell: LA30C66QT4J, Osram: 58779, Phillips: 6112.	1000	24
2	LA-11482	1.75"(T3.5)	45	6.6A, EXM, Qtz, T3.5, GZ9.5, 1.75". Life Hours: 1000. Application: L861. Substitution: ADB: 48A0083, Crouse Hinds: 40732, GE: 11482, Honeywell: LA45C66QT4J, Osram: 58775, Philips*: 6134.	1000	24
3	LA-10099	2.5"(T4)	120	6.6A, EVV, Qtz, T4, GZ9.5, 2.5". Life Hours: 500. Application: L861SE, L862. Substitution: ADB: 48A0069, Crouse Hinds: 20058, GE: 10099, Honeywell: LA120C66QT4J, Philips*: 6128.	500	24
3	LA-11427	2.5"(T4)	150	6.6A, EWR, Qtz, T4, GZ9.5, Bi-Pin, 2.5". Life Hours: 500. Application: L862. Substitution: ADB: 48A0044, Crouse Hinds: 40925, GE: 11427, Osram: 58777, Phillips: 6292.	500	24
3	LA-15243	2.5"(T4)	200	6.6A, EZL, Qtz, T4, GZ9.5, bi-pin, 2.5". Life Hours: 500. Application: FLI L862. Substitution: ADB: 48A0145, GE: 15243, Honeywell: LA200C66QT4J, Osram: 58789, Philips*: 6372.	500	24
3	LA-40702	2.5"(T4)	200	6.6A, Q200T4/CL, GY9.5. Life Hours: 500. Application: L850, L862E, and CH PAPI. Substitution: ADB: 48A0088, Crouse Hinds: 20172, Crouse Hinds: 20531, GE: 40702, Osram: 58750, Philips*: 6372.	500	12
3	LA-40925	2.5"(T4)	150	6.6A, EWR, Qtz, GZ9.5	500	24
4	LA-6134	1.85"(T4)	45	6.6A EXM, Bi-pin, GZ9.5	1500	100
4	LA-6292	2.44"(T4)	150	6.6A, EWR, GY9.5, Qtz, 2.44". Life Hours: 750. Application: L862. Substitution: 175T4Q/CL 6.6A GZ9.5, ADB: 48A0044, Crouse Hinds: 40925, GE: 11427, Osram: 58777, Philips*: 6292.	750	100
4	LA-6372LL	2.44"(T4)	200	6.6A, EZL, Bi-pin, GZ9.5, T4, Qtz, 2.44". Life Hours: 750. Application: FLI L862. Substitution: ADB: 48A0088, Crouse Hinds: 20172, GE: 40702, Osram: 58750, Philips*: 6372.	1300	100
5	LA-88525	9-1/4"(T20)	1000	120V, 1M/T20/BP, Mogul Bi-Post (G38), 9-1/4". Life Hours: 250. Application: Beacon Lamp. Substitution: GE: 88525.	250	12
6	LA-6343	1.85"(T4)	100	6.6A, G6.35, Qtz, 1.85". Life Hours: 1200. Application: L850 - ZA140 series. Substitution: Osram: 64346, Philips*: 6343.	1200	100
6	LA-6373	1.85"(T4)	200	6.6A, G6.35, Qtz, 1.85". Life Hours: 1200. Application: FLI PAPI. Substitution: Osram: 58815, Osram: 64386, Philips*: 6373.	1200	100
6	LA-J1/57	1.85"(T4)	45	6.6A, G6.35, Qtz, T4, 1.85". Life Hours: 1200. Application: ZA202, L852 - ZA230. Substitution: Osram: 58813, 64321, Philips*: 6123.	1200	100
6	LA-J1/75	1.85"(T4)	36	6.6A, G6.35, Qtz	1200	100

T=Tube. Multiply T# by 1/8" to get diameter. \* Philips (DBA Narva)



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6

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Fig.	Part number	MOL	Watt	Description	Lamp Life (hrs)	Case
7	LA-59079	2.3"(T4)	150	6.6A, PK30d, T4, Qtz, male flat connectors, 2.26". Life Hours: 1000. Substitution: Osram: 58724, Osram: 59079, Osram: 64361Z.	1000	
7	LA-64341Z	2.3"(T4)	100	6.6A, PK30d, male leads	1500	
7	LA-J1/80	2.3"(T4)	100	6.6A, PK30d, male leads, T4, 2.3". Life Hours: 1000. Application: L850. Substitution: Osram: 64342, Philips*: 6116.	1500	
8	LA-6130LL	2.3"(T4)	45	6.6A, PK30d, female leads	2000	100
8	LA-6118LL	2.3"(T4)	150	6.6A, PK30d, female leads	2000	100
9	LA-6303LL	2.283"	45	6.6A, Pk30d, male leads, 2.28". Life Hours: 2000. Substitution: Osram: 58953, Osram: 589105, Osram: 64317, Philips*: 6303LL.	2000	100
9	LA-6313LL	2.283"	200	6.6A, PK30d, male leads, 2.44". Life Hours: 1000. Application: Honeywell, ADB PAPI, ATG ZA420. Substitution: Crouse Hinds: 10047-2477, GE: 80590, HA-GEX0044, Osram: 64382, Philips*: 6313.	1000	100
9	LA-6392LL	2.283"	150	6.6A, PKX30d, male leads	2000	100
10	LA-14473	2-3/8"(T4)	45	6.6A, Qtz, DCR	500	12
10	LA-23860	2-3/8"(T4)	200	6.6A, Qtz, T4/DCR, BA15d, Qtz. Life Hours: 500. Application: L850/PA for PAPI's. Substitution: ADB: 48A0041, Crouse Hinds: 20268, GE: 23860, Osram: 58746.	500	12
11	LA-23710	2.56"(T4)	150	Q150T4/CL	3000	12
12	LA-6142	1.77"(MR16)	62	6.6A, MR16, Bi-Pin, GX5.3, 1.77". Life Hours: 1500. Substitution: Crouse Hinds: 20590, Philips*: 6142.	1500	100
12	LA-20590	1-7/8"(MR16)	62	6.6A, MR16, without leads		
12	LA-20839	1-7/8"(MR16)	50	Q50MR16/NSP-12V, MR16/C/NSP15. Life Hours: 6000. Application: AGM Signs, 2-Pin (GX5.3), Qtz, 1-7/8". Substitution: AGM: 9Q, GE: 20839.	6000	20
12	LA-23071	1-7/8"(MR16)	45	6.6A, MR16, EZC	1000	20
13	LA-64826	1-7/8"(MR16)	50	MR16, 230V. Life Hours: 2000. Application: HL-292 heliport fixture. Substitution: ATR: 64826FL.		
14	LA-008084	1-7/8"(MR16)	50	MR16, 120V, 1-7/8". Life Hours: 2000. Application: ZA292/120V. Substitution ATR: Q50M16GU10/NFL25.	2000	15

T=Tube. Multiply T# by 1/8" to get diameter. \* Philips (DBA Narva)



Fig. 7



Fig. 8



Fig. 9



Fig. 10



Fig. 11



Fig. 12



Fig. 13



Fig. 14

Fig.	Part number	MOL	Watt	Description	Lamp Life (hrs)	Case
15	LA-008065	1-7/8" (MR16)	48/49	6.6A, MR16, twin male leads, MR16, Qtz, 1-7/8". Life Hours: 1500. Application: ZA181/280/292 series. Substitution: Osram: 58952, Osram: 64337C-15, Philips*: 6106.	1500	
15	LA-008072	1-7/8" (MR16)	105	6.6A, MR16, twin male leads	1500	
15	LA-6104	1.46" (MR11)	40	6.6A, MR11, twin male leads, 1.46". Life Hours: 1500. Application: ZA280 switchable. Substitution: Osram: 64333C, Philips*: 6104.	1500	100
16	LA-008075	1-7/8" (MR16)	105	6.6A, MR16, twin female leads, 1-7/8". Life Hours: 1500. Application: ZA480/483 series. Substitution: Osram: 58953, Osram: 64339-A, Phillips: 6105.	1500	
16	LA-008079	1-7/8" (MR16)	48	6.6A, MR16, twin female leads	1500	
16	LA-20624	1-7/8" (MR16)	62	6.6A, MR16, 12" twin female leads		
16	LA-6101LL	1.77" (MR16)	48	6.6A, MR16, twin female leads, 1.77". Life Hours: 1500. Substitution: ADB: 2990-40-827, Crouse Hinds: 21116, Osram: 64337A48-15, Philips*: 6101.	2500	100
16	LA-6105	1.77" (MR16)	105	6.6A, MR16, twin female leads, 1.77". Life Hours: 1000. Substitution: ADB: 2990-40-900, Osram: 58953, Osram: 64339, Osram: 64339-A, Philips*: 6105.	1000	100
16	LA-6141	(MR16)	62	6.6A, MR16, twin female leads	1500	100
17	LA-6138	1.77" (MR16)	48	6.6A, MR16, male/female leads, 1.77". Life Hours: 500. Substitution: Osram: 58894, Osram: 64338, Philips*: 6138.	500	100
17	LA-LA000004	1-7/8" (MR16)	105	6.6A, MR16, male/female leads, insulating sleeve, 1-7/8". Life Hours: 1000. Substitution: Osram: 58960.	1000	
18	LA-7654H	3.85" (T10)	45	6.6A, T10/1P, P28s, 3.85". Life Hours: 2000. Application: FLI L861. Substitution: Osram: 17981, Philips*: 7654H.	2000	100
18	LA-7669H	3.85" (T10)	30	6.6A, T10/1P, P28s, 3.85". Life Hours: 2000. Application: FLI L861. Substitution: Osram: 17980, Philips*: 7669H.	2000	100
19	LA-23294	3-15/16" (T10)	30	6.6A, T10/1P, P28S, 3-15/16". Life Hours: 1000. Application: L861. Substitution: ADB: 48A0006, Crouse Hinds: 10047, GE: 23294.	1000	60
19	LA-23295	3-15/16" (T10)	45	6.6A, T10/1P, P28S, 3-15/16". Life Hours: 1000. Application: L861, L858 Non-LOW VA Signs. Substitution: ADB: 48A0007, Crouse Hinds: 10047, GE: 23295.	1000	60
20	LA-23300	5.75" (T14)	204	6.6A, T14/2P, P28S, 5.75". Life Hours: 500. Application: MIL Type C-1, HIRW (L862). Substitution: ADB: 48A0013, Crouse Hinds: 10047, GE: 23300.	500	24

T=Tube. Multiply T# by 1/8" to get diameter. \* Philips (DBA Narva)



Fig. 15



Fig. 16



Fig. 17



Fig. 18



Fig. 19



Fig. 20

Fig.	Part number	MOL	Watt	Description	Lamp Life (hrs)	Case
21	LA-10387	5.25", PAR38	120	120V, PAR38		
21	LA-15937	5.25", PAR38	45	6.6A, PAR38, E26/50x39, 5.31" (D=4.75"). Life Hours: 800. Application: Windcone.	800	12
21	LA-16138	5.3"(D=4.75")PAR38	75	120V, PAR38, E26, Qtz, 5.3"(D=4.75"). Life Hours: 2500. Application: Windcone floodlight, LGW/WCB Windcones. Substitution: 75PARCAP-SPLFL30130V, Osram: 75W/120VPAR38 Flood.	2500	
21	LA-18631	5.31", PAR38	100	100PAR38/HIR/FL25	3000	12
22	LA-23310	4.5"(D=7")PAR56	45	6.6A, PAR56/5, Screw Terminals, 4.5"(D=7"). Life Hours: 1000. Substitution: ADB: 48A0033, Crouse Hinds: 10047-2167, GE: 23310.	1000	12
22	LA-23863	4.5"(D=7")PAR56	500	Q20A, PAR56/3	500	12
22	LA-32861	4.5"(D=7")PAR56	300	Q20A, PAR56/2	500	12
22	LA-PAR56/120W/H	4.5"(D=7")PAR56	120	Strobe, PAR56	1000	12
22	LA-PAR56/3	4.5"(D=7")PAR56	200	Q6.6A, PAR56/3		
23	LA-15482	5"(D=7")PAR56	300	Q20A, PAR56/C	500	12
23	LA-15485	5"(D=7")PAR56	500	Q20A, PAR56/1/C, Qtz, Mogul End Prong (GX16d), 5"(D=7"). Life Hours: 500. Substitution: ADB: 48A0092, Crouse Hinds: 10047-685, GE: 15485.	500	12
23	LA-38271	5"(D=7")PAR56	200	Q6.6A, PAR56/2	1000	12
24	LA-13224	4.5"(D=8")PAR64	200	Q6.6A, PAR64/2P, Mogul End Prong (GX16d), Qtz, 4.5"(D=8"). Life Hours: 2000. Application: VASI. Substitution: ADB: 48A0017, Crouse Hinds: 10047-365, GE: Q6.6A PAR64 2P, GE: 13224, NSN: 6240-01-456-208.	2000	6
24	LA-43497	4.5"(D=8")PAR64	1000	Q1000PAR64-NSP-120V	4000	6
25	LA-116w/230	(A21)	116	230V, A21, screw base. Life Hours: 8000. Application: Obstruction light. Substitution: H&H: HH255, Honeywell: LH116230DT.	8000	
25	LA-12496-1	4.37"(A21)	69	120V, 69A21/TS, screw base, 4.37". Life Hours: 8000. Substitution: GE: 17323.	8000	
25	LA-16385	4-3/8"(A21)	50	50A21, 30V(sign)	1000	120
25	LA-16997	4-7/8"(A21)	60	60A21/B	1000	120
25	LA-17625	5-1/4"(A21)	150	150A21/RS	1000	60
25	LA-17960	4-3/8"(A21)	54	60A21/54WM/TS	8000	120
25	LA-22483-2	4.44"(A21)	116	120V, A21/TS, screw base, 4.44". Life Hours: 8000. Application: Obstruction light. Substitution: LH116120GE, Philips*: 22483-2.	8000	
25	LA-97470	4-7/16"(A19)	40	40A/CL, 24PK, 120V, A19, E26, 4.43"(D=2.375"). Life Hours: 1500. Substitution: ATR: 13863, GE: 12311.	1500	120

T=Tube. Multiply T# by 1/8" to get diameter. \* Philips (DBA Narva)



Fig. 21



Fig. 22



Fig. 23



Fig. 24



Fig. 25

Fig.	Part number	MOL	Watt	Description	Lamp Life (hrs)	Case
26	LA-21950	10-7/16"(PS40)	620	620PS40P, 120V, PS40P. Life Hours: 3000. Application: L864 Beacon. Substitution: ADB: 48A0180, GE: 21950, HA-LH620120GE, NSN: 6240-00-295-0901.	3000	24
26	LA-700120	10-7/16"(PS40)	700	700PS40P, 120V		
26	LA-700230	10-7/16"(PS40)	700	700PS40P, 230V	8000	
27	LA-18902	5.75"	175	MVR175/U/MED	6000	6
28	LA-43828	11.5"	400	MVR400/U	15000	6
29	LA-44058	15.06"	1000	LU1000/ECO	+24000	6

T=Tube. Multiply T# by 1/8" to get diameter. \* Philips (DBA Narva)



Fig. 26

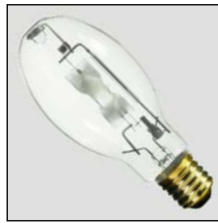


Fig. 27



Fig. 28



Fig. 29

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Flight Light stocks lamps for all airport lighting applications: runway, taxiway, approach, helipad, obstruction. We sell only first quality name-brand lamps, including GE, Osram/Sylvania, Philips (DBA Narva) and Amglo.

### Lamp Life

Lamp life rating is the point in time when 50% of the tested samples have burned out and 50% still shine.

### Lumens, Candlepower, Footcandles

In lighting, the basic unit for the amount of light produced by a light source is called a lumen. As with any unit of measure, the lumen must be related to some physical standard. A candle of specific composition and size serves this purpose and is said to emit one candlepower. If this candle were placed at the center of a sphere having a radius of one foot, one lumen, by definition, would fall on each square foot of the sphere's surface. Since, from geometry, the total surface area of a one-foot radius sphere is 12.57 square feet, there are 12.57 lumens given off by the standard candle. One lumen falling on 1 square foot of a surface produces illumination of one footcandle.