

RUNWAY/TAXIWAY LIGHTING

MIRL

Elevated Edge Light

MEDIUM-INTENSITY



Compliance with Standards

T/C: K311, Type MIRL.

ICAO: Annex 14, Vol. 1 Para. 5.3.5

FAA: L-860, L-860E, L-861, L-861E, L-861SE, and L-861T, AC 150/5345-46B.

Uses

- Medium- and low-intensity edge lighting for runways, taxiways and heliport applications.
- Fixtures are available in 6.6 A series circuit and 120 VAC parallel circuit configurations. 6.6 A series circuit fixtures are available in standard incandescent T10P and quartz PK30d styles.

Features

- Very robust and durable design. Heavy-duty cast aluminum fixture body helps reduce damage caused by maintenance and snow removal equipment. Durable aviation yellow finish and stainless steel hardware provide for an extended fixture life. Optional Lexan lenses help reduce lens breakage.
- Uses standard medium-intensity lenses, gaskets, sockets and fixture cable assemblies allowing for spares interchangeability with competitor's fixtures.
- 2" Slipfitter provides for mounting on standard 2" frangible couplings for overall height ranges of 350 mm to 760 mm.
- Use of optional PK30d style lamps eliminate the need for lamp sockets and the high maintenance bi-pin type lamps. PK30d lamps provide higher and more constant output than standard incandescent type lamps.
- PK30d lamp life is rated 1500 hrs at full brightness but typically 4000 – 6000 hrs in actual service. Easy re-lamping is accomplished without requirement for tools and involves loosening only one thumbscrew.
- Low maintenance design minimizes spare parts needs. No small clips or lens holders are used so lamp changes can be performed in the field by maintenance personnel wearing gloves.
- Many fixture components are compatible with ADB 5NQ3850CU type fixture to reduce spares requirements.
- Lenses are available in clear, colored or 180 deg. bi-colored. A 180 degree blanking shield is available for special applications.

- Four screws allow for ease of leveling fixture after installation. Optional fixture leveling tool is available.
- Fixture can have side or center cable exit without requiring disassembly of fixture.
- Fixture has provision for mounting of edge light flags or markers with suitable mounting brackets.

Ordering Code

L861U - X - XX - XXX - XXX

Lamp Type¹

B = 6.6 A, T10P, Pre -focus

Q = 6.6 A, PK30d Quartz Halogen

S = 120 VAC, Med. Screw Base

Lamp Rating

25 = 25 W (Type S only)

30 = 30 W (Type B only)

40 = 40 W (Type S only)

45 = 45 W (Types B & Q only)

69 = 69 W (Type S only)

10 = 100 W (All types)

Lens Type

BBA = Blue Asymmetrical

CC = Clear Symmetrical

BB = Blue Symmetrical

YY = Yellow Symmetrical

RR = Red Symmetrical

GG = Green Symmetrical

GR = Red/Green Symmetrical

CB = Clear/Blue Symmetrical

CY = Clear/Yellow Symmetrical

CR = Clear/Red Symmetrical

Special Options

FAA = Supplied with 1" FAA Style Hub

LL = Long Leads for up to 760mm mounting hgt.

ML = Lexan Lenses in place of standard glass

(Types CC, BB, YY, RR, GG, GR only)

Notes

Example: L861U-B-45BB is a taxiway edge light with a 45W, T10P pre -focus base lamp and a blue symmetrical glass lens.

¹ Fixtures are also available with 30W or 45W Bi -pin quartz halogen lamps and sockets on special order.

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Packaging

Assembled fixture c/w lens and lamp

Weight: 5 lb (2.3 kg) each fixture

Packaging 15 × 15 × 16 in (4 fixtures per box)

Dimensions: (38.1 × 38.1 × 40.6 cm)



Suggested Specification

The Runway Edge Light shall be medium intensity, elevated, in full compliance with Transport Canada Specifications K311 and meet the requirements of the FAA L-860 or L-861 specifications (AC 150/5345-46B) and with ICAO Annex 14, Vol. I, para. 5.3.5. for use on a non-precision instrument runway.

The PK30d prefocus halogen lamp shall be 45 W, 6.6 A, rated life of not less than 1500 hours at full intensity and approx. 4000 – 6000 hrs in actual service. The lamp shall be retained by a fool proof positioning device and should not require the use of any type of lamp socket. Lamp changes will be accomplished without the use of hand tools and without disassembly of the optical lenses.

Overall height of the light when installed, shall not exceed 350 mm and its total weight shall be 3 kg or less. The light shall consist of heavy-duty aluminum alloy castings for the body components, heat-resistant glass optical parts and plain stainless hardware. Gaskets and electrical wiring shall be high temperature resistant.

The light shall be suitable for direct installation on any standard 2" breakable coupling. The light shall resist jet blast from the heaviest present day aircraft and shall be frangible in case of impact.

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Product specifications may be subject to change, and specifications listed here are not binding. Confirm current specifications at time of order.