



Compliances:

ICAO: Annex 14 - Volume I
 FAA: L-850A AC150/ 5345-46 (Current Edition) and
 "Engineering Brief No.67"
 IEC: TS 61827
 NATO: STANAG 3316

Manual:

Instruction manual **UT-MT-0740**

Performances and benefits:

6mm protrusion FAA Style 3 and IEC Style 4 to reduce damages to aircraft tires and snowplough blades.
 Thanks to the **long life** of the LEDs (60,000 hours at the top brightness step or far over 100,000 hours in normal operating conditions) the maintenance activities are extremely reduced and the safety of the airport operations is considerably increased.
 The LED emission directly ensures the correct colour. Absence of coloured filters ensures **no energy losses** and **no colour shifts** when viewed at various angles or under temperature/current variations.
 The compatibility with the existing typical AFL series circuits is complete. There **no need to replace CCRs, transformers and cables**. The electronics inside makes the light output variable like a traditional halogen lamp, as indicated by the FAA "Engineering Brief No.67".
 The lights are provided with a **surge protection device**, as required by the FAA "Engineering Brief No.67".
Immediate detection of an internal fault.
 The possibility of installation on existing bases gives the possibility of a progressive **replacement of the existing lights**.
 A new installation with LED lights means lower loads and therefore low-sized CCRs and transformers, thus allowing **significant savings on installation and management**.

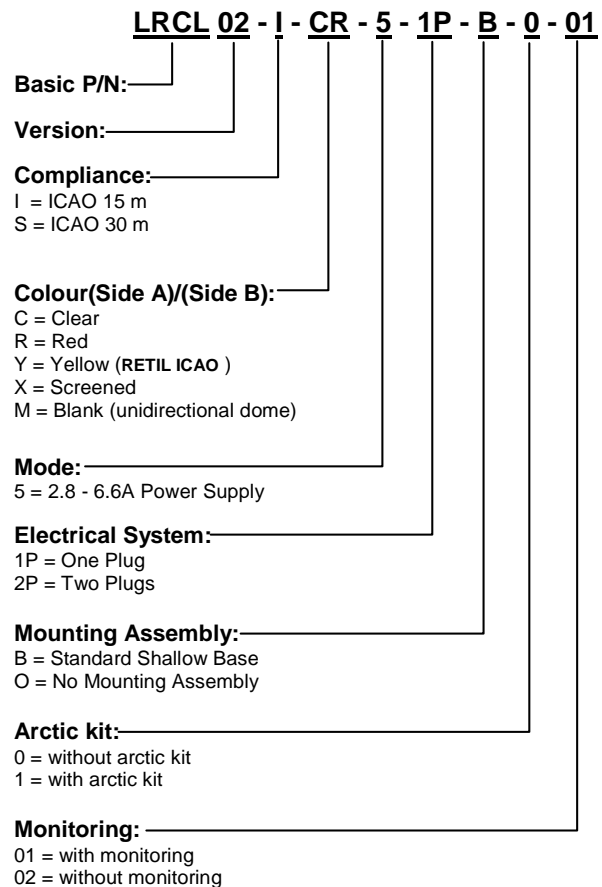
Features:

Aluminium treated drop-forged dome and cast aluminium lower cover.
 Unidirectional or bidirectional 12" dia, one prism for each direction.
 The prisms are mechanically clamped to the dome by means of a mounting plate; a customized prism gasket avoids the use of sealing. Replacement is quick and easy.
 Fixture energy consumption: typically 20 VA and 15 VA (per side), for clear and red respectively. Arctic kit consumption: less than 40 VA per plug.
 No optical adjustment is required after the replacement of LEDs or prisms.
 An O-ring placed outside around the dome avoids dirt deposits between light unit and mounting assembly.
 The removal of the fixture is easy thanks to the two seats provided on the dome.

Luminous Sources:

Six LEDs per each direction.
 Customized reflector to collect the LED luminous flux and maximize the light output.

How To Order:



Electronics:

Strong-built, highly resistant to shock and vibration.
 Light output variable like a traditional halogen lamp, as indicated by the FAA "Engineering Brief No.67".
 Patent pending for current/voltage conversion circuit.

Power Supply:

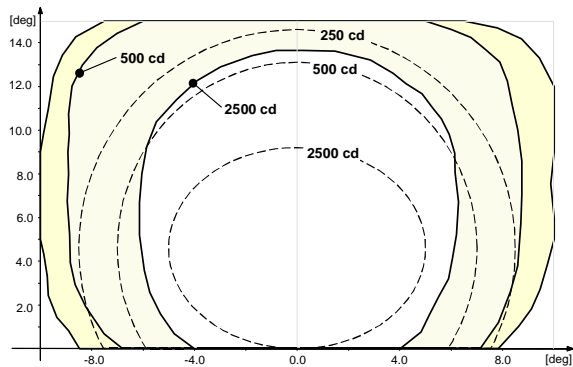
From 20/25W up to 300W series transformer.

Base:

Cast aluminium shallow base, 12" dia. (mounting assembly B), with six threaded holes for fastening the light unit. The base is equipped with one or two cable leads, each consisting of two single-pole leads, with FAA L-823 receptacle. Special bases without cable leads can be supplied on request with suitable holes for conduit connections.
 The light unit can be directly mounted on a deep base, L-868 type, size B.



Typical installation



ICAO Annex14 Fig.A2-7 Cat.III

Accessories:

[P/N]	Description
315.1230	Base L-868, Class IA, Size B, 24" Deep*
315.1420	Flange ring with pavement dam for L-868 base, Size B, with O-Ring and bolts
152.8110	Shallow base, 12" dia., one cable lead, with gasket and hardware
153.1110	Shallow base, 12" dia., two cable lead, with gasket and hardware
712.1012	Setting material for shallow base, 5 lt
712.1013	Setting material for shallow base, 20 lt
332.4301	Positioning jig for 8"/12" shallow base, without optical device
332.4351	Optical device for positioning jig to allow a very precise light unit orientation
332.4330	Watertight/shockproof plastic case complete with positioning jig for base and optical device
332.4140	Lifting tool (2 pieces to work properly)
019.0415	Device to unlock the monitoring relay

* Sectional bases may be required depending upon the paving technique

For any information about isolating transformers and connectors, please see the specific catalogue pages

Shipping Weights and Volumes			
	Light Unit	Shallow base	Light & Base
Weight (Kg)	8.1	7.3	14.5
Volume (cu.m)	0.022	0.022	0.022

Renewal Parts for light unit:

[P/N]	Description
152.5815	Aluminium treated drop-forged bidirectional dome, complete with prisms and gaskets
152.5816	Aluminium treated drop-forged bidirectional dome, complete with prisms and gaskets, suitable for arctic kit
152.5817	Aluminium treated drop-forged unidirectional "A" dome, complete with prisms and gaskets
152.5818	Aluminium treated drop-forged unidirectional "A" dome, complete with prisms and gaskets, suitable for arctic kit
152.5360	Lower cover with 1 entry, complete with plug and valve
152.5365	Lower cover with 2 entries, complete with plugs and valve
152.5800	Reflector with hardware
152.5801	Luminous Source support with hardware
152.5802	Luminous Source mounting plate with hardware
152.5804	Luminous White Source with accessories
152.5805	Luminous Red Source with accessories
152.5806	Luminous Yellow Source with accessories
150.3491	Electronics with monitoring for white or yellow LEDs
150.3936	Electronics without monitoring for white or yellow LEDs
150.3490	Electronics with monitoring for red LEDs
150.3948	Electronics without monitoring for red LEDs
318.1311	Prism
325.0445	Prism gasket
325.0450	Plain gasket
341.1250	Mounting plate
758.2016	O-Ring for dome
758.2150	O-Ring for lower cover
758.2140	O-Ring for lower cover
152.6147	FAA L-823 plug with accessories
786.7045	Valve for watertightness test
152.5500	Arctic kit thermostat with hardware
152.5525	Arctic kit heater with hardware, unidirectional light
152.5530	Arctic kit heater with hardware, bidirectional light one entry
152.5535	Arctic kit heater with hardware, bidirectional light two entries
752.1014	Grease for gasket, 400 gr
712.0025	Anaerobic adhesive for screws, 50 ml

Renewal Parts for bases:

[P/N]	Description
325.2000	Silicone O-ring for bases
011.3020	L-823 two-pole receptacle with leads, 1.0 m long, for shallow base
152.8065	Hardware kit for light unit fastening to shallow base