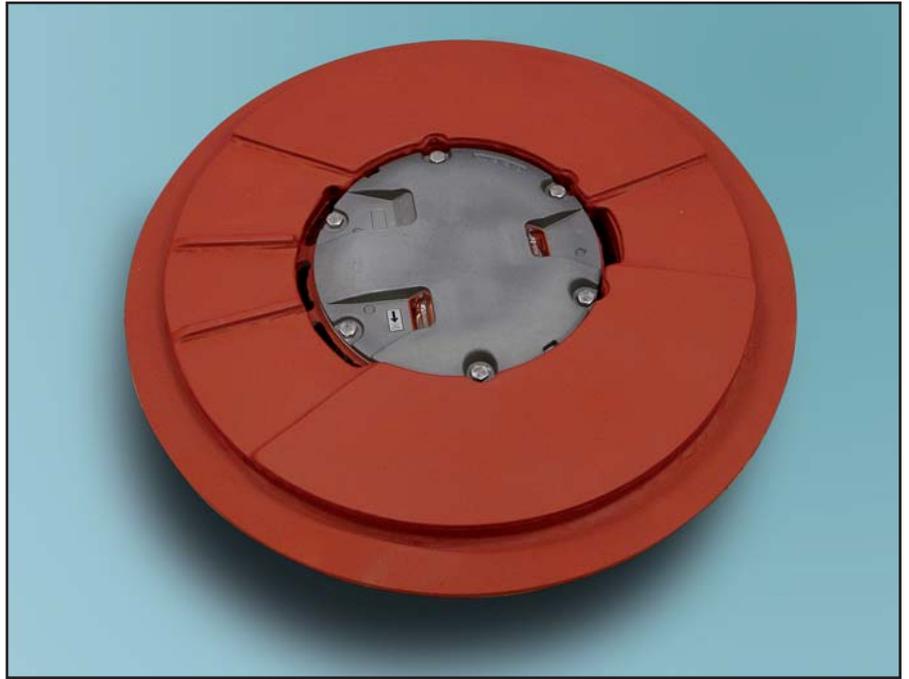


CHS Controls & OCEM

Full flush inset light and base - For runway edge and end



Alltid tillgänglig - Alltid öppen!
www.chscontrols.se
Always available - Always open!

We offer a full flush inset light based on a combination of a special designed base and a standard semi-flush inset light from OCEM. Most inset lights protrude 6 mm or more. By using a standard light in combination with a special designed base, the following features are achieved

- The combination results in a full flush inset light
- The base protects the light from external effects

Full flush runway end lights offer a significant advantage when cleaning the runway from snow. Protruding lights may cause problems



Full flush lights in bases with asphalt edge and with straight edge.

during snow cleaning when using a steel bladed snow plow. A full flush light simplifies the snow cleaning and reduces the risk for damaging the light.

The light lenses can be equipped with a coat of sapphire glass working as a wear protection. The sapphire coating increases the lense life especially when steel brushes are used for cleaning the runway.

A full flush inset light offers significant benefits for military and combined civil-military airfields. By providing a full flush surface, they eliminate an arrester hook jump and assure the correct hook engagement to the arrester wire cable.

The bases are available in two versions

- Base with asphalt edge, the base is installed in the runway and asphalt is placed on the edge.
- Base with straight edge, the base is glued into the runway.

Full flush runway edge light - SLRE

Catalogue number

ALPSLRE-I-CPY-1P-200-W18-0

Basic number _____

Optical assembly _____
 I = ICAO 60 m runway
 S = STANAG/ICAO 45 m runway

Colour left side/right side ¹⁾ _____
 C = White
 Y = Yellow
 R = Red
 G = Green
 X = Screened

Connection _____
 1P = 1 plug contact
 2P = 2 plug contacts

Lamps _____
 100 = 1x105 W, 6,6 A reflectorized
 200 = 2x105 W, 6,6 A reflectorized

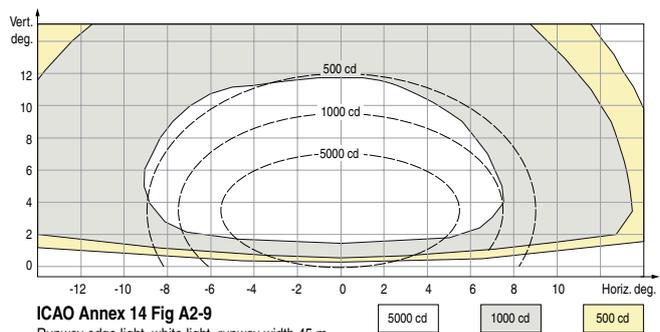
Base type _____
 W18 = Base with asphalt edge
 W19 = Base with straight edge

Option _____
 0 = No option
 L = Sapphire glass coated lenses

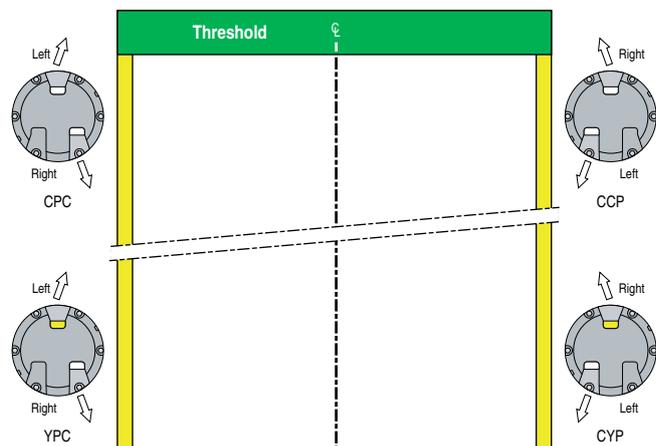
¹⁾ The colour of the central beam must be followed by a "P". Install all lights so that the central beam is pointing towards the same landing direction. Most common types illustrated at the right.

Contact CHS Controls for light spare parts.

Photometric



ICAO Annex 14 Fig A2-9
 Runway edge light, white light, runway width 45 m.
 Toe-in 3,5°
 Dotted lines, ICAO requirements
 The lower parts of the actual light distribution curves are adjusted based on testing with approach light SLAP



Full flush threshold/runway end light - SLTE

Catalogue number

ALPSLTE-GR-RI-2P-300-W18-0

Basic number _____

Colour threshold - first character _____
Colour runway end - second character _____
 G = Green
 R = Red
 X = Screened

Threshold toe-in, beam aiming is not field adj. _____
 LI = Right
 RI = Left

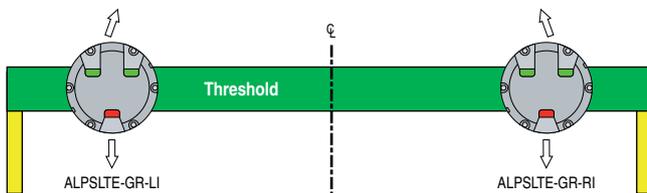
Connection _____
 1P = 1 plug contact
 2P = 2 plug contacts

Lamps _____
 200 = 2x105 W, 6,6 A reflectorized
 300 = 3x105 W, 6,6 A reflectorized

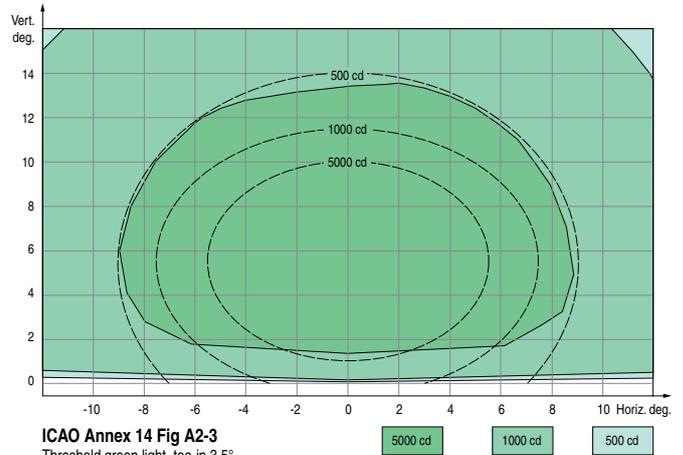
Base type _____
 W18 = Base with asphalt edge
 W19 = Base with straight edge

Option _____
 0 = No option
 L = Sapphire glass coated lenses

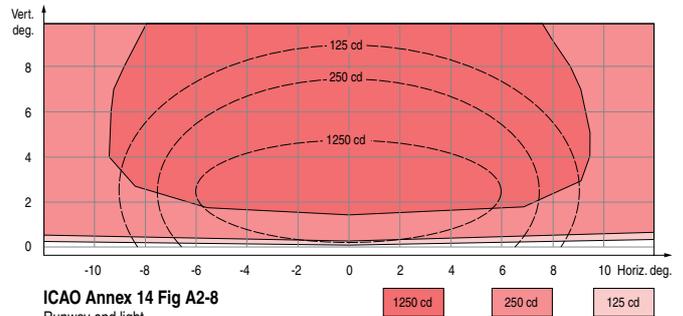
Contact CHS Controls for light spare parts.



Photometric



ICAO Annex 14 Fig A2-3
 Threshold green light, toe-in 3,5°
 Dotted lines, ICAO requirements.
 The lower parts of the actual light distribution curves are adjusted based on testing with approach light SLAP.



ICAO Annex 14 Fig A2-8
 Runway end light
 Dotted lines, ICAO requirements.
 The lower parts of the actual light distribution curves are adjusted based on testing with approach light SLAP.

Accessories

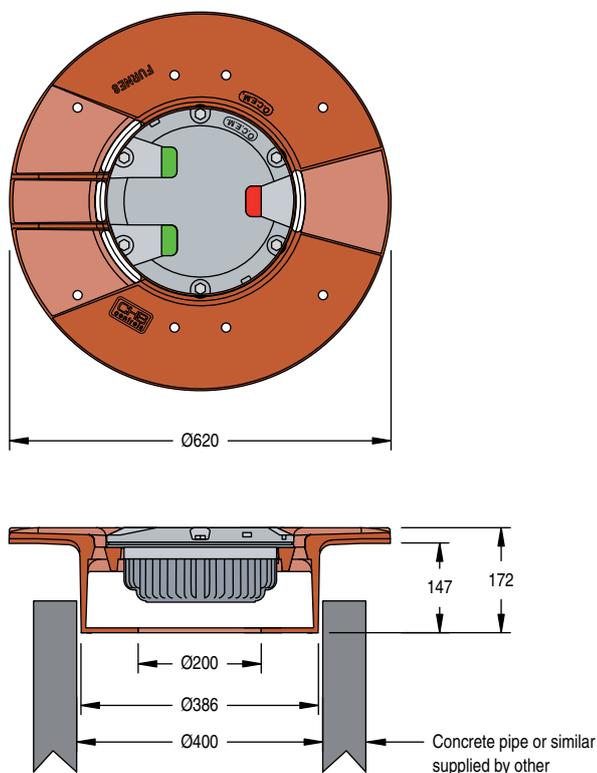
| Description | Catalogue number | Weight kg/each |
|---------------------------------------|------------------|----------------|
| Cover plate for empty base, loadable | ALPFHCOVER | 9 |
| Light lifting tool for 12" light | ALPTOOLIFT12 | 0,3 |
| Installation tool for full flush base | ALPTOOLFIXHBASE | 20 |

Technical data

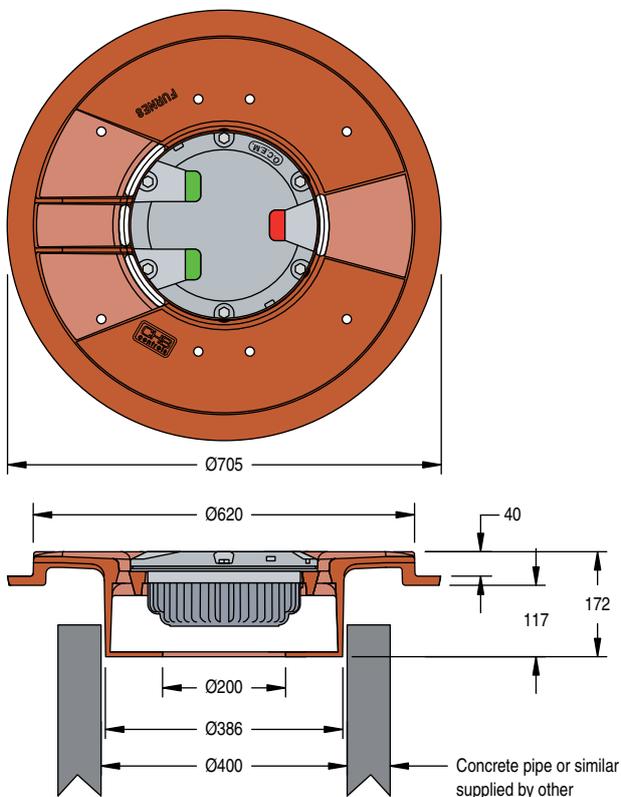
| | Full flush runway edge light type SLRE | Full flush threshold/runway end light type SLTE |
|------------------------|--|--|
| Light fixture diameter | 12"/304 mm | 12"/304 mm |
| Light source | 105 W 6,6 A tungsten-halogen lamps with dichroic reflector | 105 W 6,6 A tungsten-halogen lamps with dichroic reflector |
| Power supply | Series circuit 200 W transformer | Series circuit, 300 W transformer |
| Terminals | FAA L-823 plug | FAA L-823 plug |
| Material, light | Aluminium | Aluminium |
| Material, base | Steel | Steel |
| Standards | ICAO Annex 14 - Volume 1 IEC TS 61827 NATO STANAG 3316 | ICAO Annex 14 - Volume 1 IEC TS 61827 NATO STANAG 3316 |

Dimensions, mm

Full flush light - base with straight edge - weight 55+8=63 kg



Full flush light - base with asphalt edge - weight 60+8=68 kg



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