

Semi-Flush Threshold Light



Compliances: ICAO Annex 14
NATO STANAG 3316
FAA AC 150/5345-46

SLTH

Applications

The SLTH is a semi-flush threshold light that may be used for any category I, II and III ICAO, FAA Cat I and military runway. This fitting may be used for military threshold wing bar lighting too.

Features

BASE: made of a cast aluminium with six holes with threaded inserts for fastening the light unit by means of six screws (mounting assembly B). The standard base is supplied complete with one cable lead, consisting of two, single-pole neoprene leads, size 2.5 sq.mm, 0.770 m long, with FAA L-823 receptacle.

On request, special bases without cable leads can be supplied, provided with holes suitable for conduit connections.

LIGHT UNIT: consists of a treated cast aluminium dome and a treated cast aluminium lower cover, fastened to the dome by means of three screws and silicone gasket. The proper mounting of the lower cover is ensured by a pin located in the lower side of the dome. The dome is provided with two apertures for beam output. An additional silicone O-ring is outside placed around the dome to avoid dirt deposits between dome and mounting assembly. The lower cover is provided with a gland for cable entry and with a valve for watertightness test. Two suitable seats are provided on the dome to make easy the light removal.

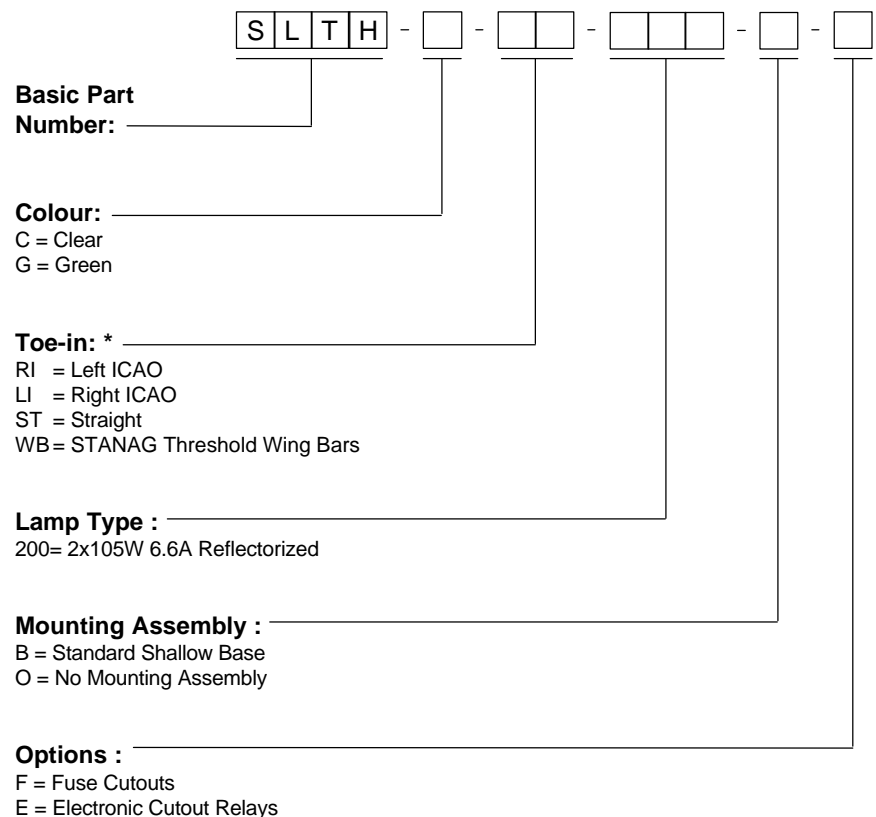
OPTICAL SYSTEM: consists of two optical glass prisms, each mechanically clamped to the light dome by means of a steel retainer with silicone gasket. An additional nylon gasket is placed between each retainer and the relevant prism, to

How to order

To the basic part number add the colour, the toe-in, the lamp type and the mounting assembly.
If required, any option can be added.

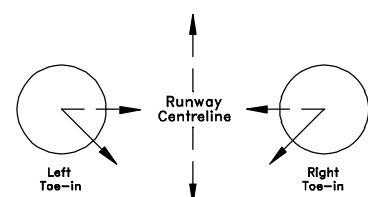
EXAMPLE:

SLTH-G-ST-200-B is a green straight threshold light, with two 105 W reflectorized lamps, 6.6A, complete with standard shallow base, without any lamp by-pass device.



* Toe-in Selection

The beam aiming is not field adjustable.



avoid glass-metal direct contact. The prism replacement is quick and easy and doesn't require any sealing. No water builds up in front of the prisms, so the light output is not affected under heavy rainfall.

CABLE LEAD: consists of two, single-pole santoprene leads, size 2.5 sq.mm, 0.700 m long, with FAA L-823 plug, for very quick coupling with the receptacle mounted on the base. The leads are equipped with female faston terminal and protected by fiberglass silicone sheath.

LAMPS: two, 105 W, tungsten-halogen, 6.6 A, 1000 hour rated life,

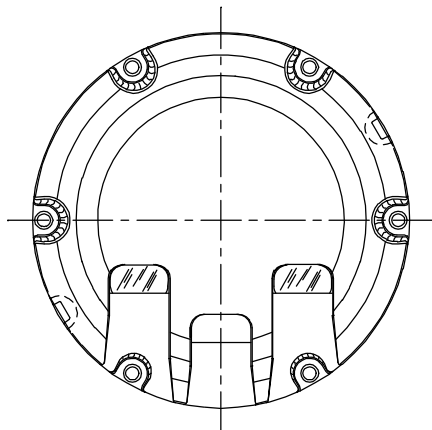
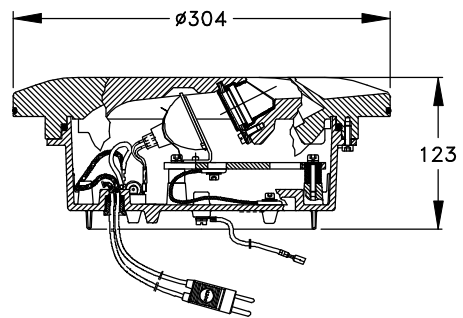
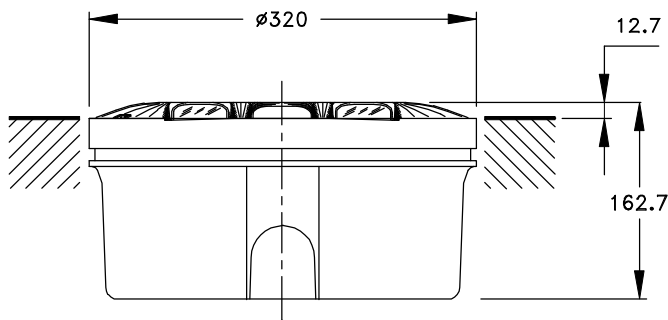
complete with dichroic reflector and cable leads with male faston terminal. The lamps are mounted on a suitable aluminium plate, providing the required toe-in, through elastic supports for easy and quick relamping. The lamp plate is fixed to the lower cover through four vibration-damping blocks. Two tinned bare copper plaits are provided between the lamp plate and the lower cover (through thermoconductive paste) to improve the heat removal.

FILTERS: two, dichroic green, are mounted in the rear side of the prisms through suitable stainless steel supports.

LAMP BY-PASS DEVICES: on request, the fitting can be equipped with fuse cutouts (option F) mounted on suitable insulated strips fixed to the lower cover, or with electronic cutout relays (option E) directly fixed to the lower cover.

GROUNDING: a suitable screw is provided outside the base; a grounding wire with faston connection is provided between light unit and base.

Outline Drawings

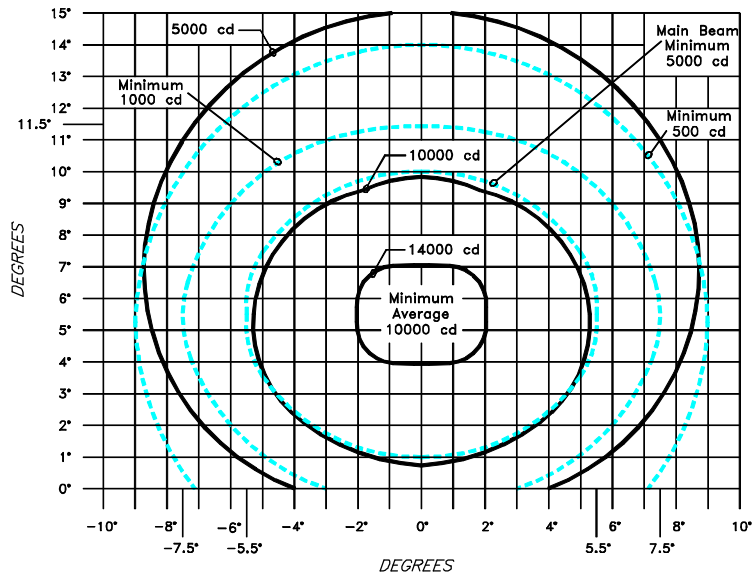


Dimensions in mm

Instruction Manual: UT-MT-164

	Light Unit	Shallow Base	Light Unit & Shallow Base
Shipping Weight	7.5 Kg	7.2 Kg	13.8 Kg
Shipping Volume	0.022 cu.m	0.022 cu.m	0.022 cu.m

Technical Data



Light Unit Data		Main Beam Data	
Use:	Threshold, ICAO	Average:	12500 cd
Lamps	2x105W 6.6A Reflectorized	Minimum:	9500 cd
:			

Accessories

Part Number	Description
011.2056	Transformer for series circuits FAA L-831 200 W 6.6/6.6 A
011.2003	Transformer for series circuits FAA L-831 200 W 6.6/6.6 A, suitable for secondary grounding
011.2559	54-E6-E6 Connector kit L-823, 10-12 AWG (6 sq. mm), 0.42" to 0.585" O.D.
011.2558	54-E4-E4 Connector kit L-823, 8 AWG (10 sq. mm), 0.42" to 0.585" O.D.
315.1229*	Base L-868, Class I, Size B, 24" deep
315.1420	Flange ring with retaining ring for L-868 base, size B, with O-ring and bolts
152.8110	Shallow base, dia. 12", one cable lead, with gasket and hardware for light unit fastening
712.1012	Setting material for shallow base, 5 lt
712.1013	Setting material for shallow base, 20 lt
332.3440	Positioning jig for shallow base installation
738.2001	Linear level
332.4140	Lifting tool for light unit removal (two tools need for proper operation)

* Sectional bases may be required depending upon the paving technique.

Renewal Parts

Part Number	Description
153.0000	Dome complete with prisms
152.8050	Lower cover complete with cable lead with plug
153.0010	Complete lamp supporting plate, no toe-in (threshold light)
153.0020	Complete lamp supporting plate, ICAO right toe-in (threshold light)
153.0030	Complete lamp supporting plate, ICAO left toe-in (threshold light)
153.0060	Complete lamp supporting plate, STANAG threshold wing bar light
152.8080	Vibration-damping block with hardware
760.2190	105 W tungsten-halogen lamp, 6.6 A, with dichroic reflector
153.0040	Dichroic green filter complete with support
318.1140	Glass prism
325.0310	Silicone gasket for prism
325.8010	Nylon gasket for prism
758.2017	Silicone O-ring for light unit (between dome and lower cover)
758.2016	Silicone O-ring for dome
325.2000	Silicone O-ring for mounting assembly
752.1001	Silicone grease for gaskets, 500 gr
000.1466	Fuse cutout
329.3070	Insulated strip for fuse cutout
202.0010	Electronic cutout relay
786.7045	Valve for watertightness test
323.2465	L-823 two-pole plug with cable leads, 0.700 m long
325.3474	Gasket for cable gland
712.0017	Instantaneous adhesive for cable lead with plug, 20 gr
323.2610	L-823 two-pole receptacle with cable leads, 0.770 m long
712.0004	Anaerobic adhesive, medium type, for screws, 50 cc
752.0003	Screw paste, 100 gr
752.1011	Thermoconductive paste, 100 gr
152.8060	Hardware kit for light unit fastening: 700.2228 - M10x30 stainless steel HH screw (6 pieces) 706.1106 - Stainless steel elastic washer for M10 screw (6 pieces) 706.5206 - Nylon washer for M10 screw (6 pieces)



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