Flight Light Inc.
2708 47th Ave.
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MADE IN USA

Flight Light Inc.
Heliport Perimeter Light
FAA Compliant L-860

Heliport Perimeter Light

Low intensity constant voltage elevated perimeter light helps mark helipad touchdown and lift-off area (TLOF). The fixture consists of a colored Fresnel lens (globe) mounted on an aviation yellow powder coated cast aluminum lamp housing. The powdercoat finish complies with the US Military Standard Salt Fog Test conducted per MIL-STD-810E, Method 509.3, Procedure 1 for corrosion resistance. The lamp is secured by an O-ring seal and clamp band. The upper assembly mounts on a 1" EMT extension into the 1.5" NF aluminum breakable coupling. An optional 2" NPS breakable coupling is available. All of the hardware is stainless steel.
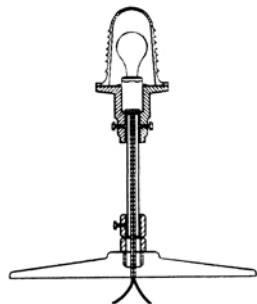
This fixture may be mounted on a base plate, junction box or stake, sold separately. The light is furnished with wire leads for wiring in the field. Most of the replacement parts are compatible with other manufacturers; consult Flight Light with specific inquires. With a low initial cost and up to 8,000 hours rated lamp life (69W), this fixture is the most economical light we offer.

Heliport Perimeter Light
(base plate sold separately)

Low Surface Mount
No frangible coupling

Stake Mounted
30" Angle-Iron Mounting Stake (sold separately)

Base Mounted
8.5" or 12" Base Plate (sold separately)

Shallow Base Mounted

With this mounting option the overall installed height is less than 8 inches, complying with AC 150/5390-2B requirements for raised perimeter lights. 5" Shallow Base and 8.5" Base Plate (sold separately)

Ordering Codes

Fixture	Globe Color[1]	Lamp & Power		Mounting		Fixture Options	Compliance
FL-860	**G:** Green	**60A2:**	60W, A21, 230V	**8:**	8" (no frangible coupling)	**1:** 1.5" Frangible Coupling (FL-FC1.5)	**MT:** Marine Treated
	Y: Yellow	**69A:**	69W, A21, 120V	**9.5:**	9.5" (ICAO FATO)[2]	**2:** 2" Frangible Coupling (FL-FC2.0)	
	R: Red	**116A:**	116W, 120V[2]	**14:**	14" (standard)		
	B: Blue	**116A2:**	116W, 230V[2]	**24:**	24" (extended)		
	C: Clear			**30:**	30" (extended)		
				LSM:	Low Surface Mount (no frangible coupling)[3]		

Shipping Weight: 3.2 lb./1.5 kilo., **Volume:** 0.5 cu. feet/0.01 cu. meters
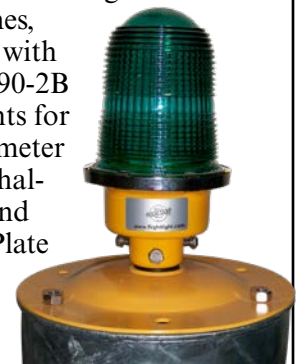
1. Green is currently the recommended color for heliport perimeter lights. Other colors, solid and split lens, available upon request.
2. ICAO FATO compliant configuration: Clear globe, 116W lamp, 9.5" mounting height.
3. LSM mounting option: 11-1/4" overall fixture height.

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Common Replacement Parts

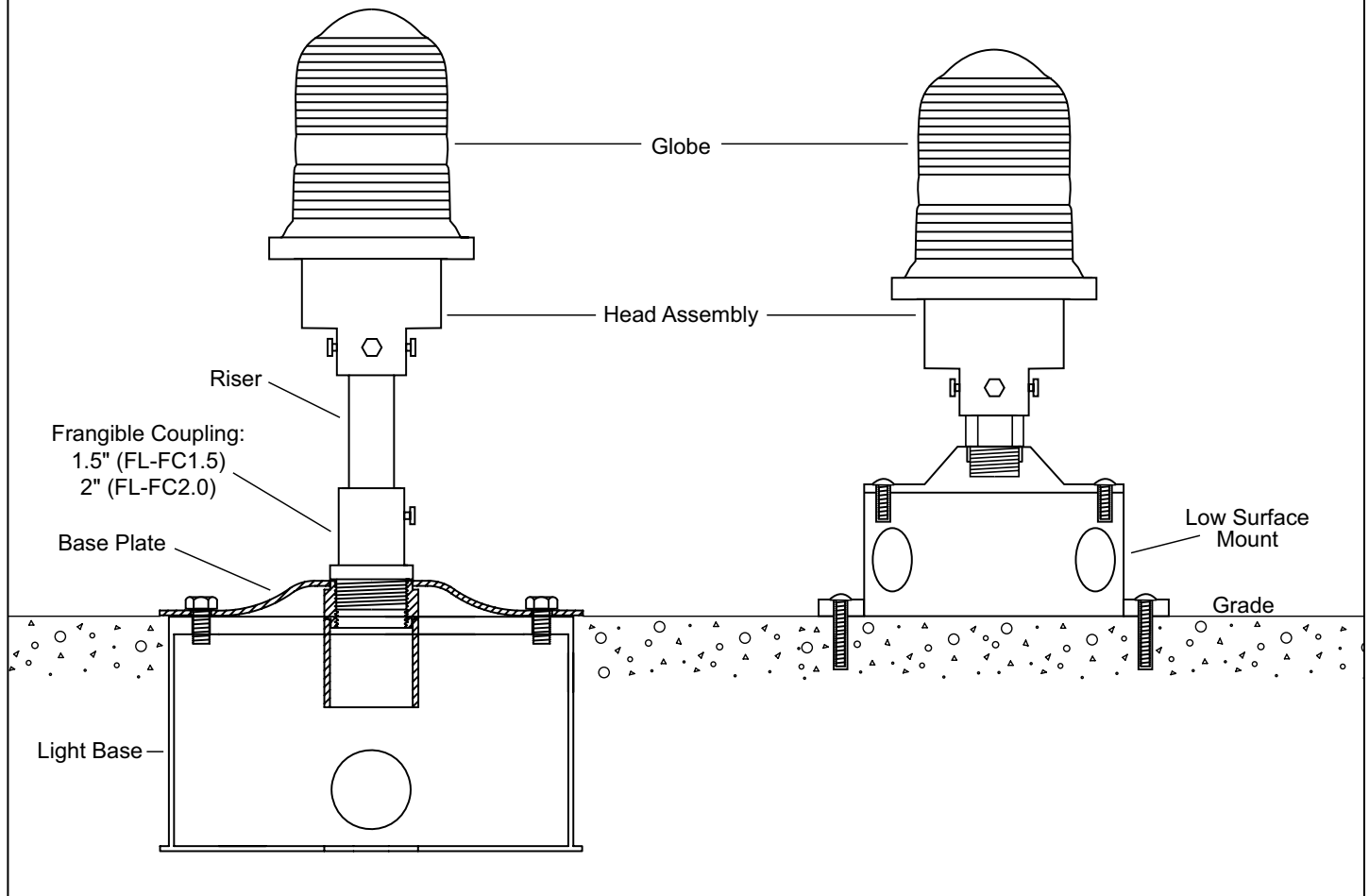|	
61-861G	L861-Glass Green
61-861Y	L861-Glass Yellow
61-80001*	L861-Clamp Band (stainless steel)
61-80002	L861-O-Ring Gasket
FL-FC1.5	L861-1.5" Frangible Coupling (metal)
FL-FC2.0	L861-2" Frangible Coupling (metal)
61-80004	Medium Base Socket
LA-15386IP	Lamp: 60 Watt, A21, 230V (1,000 rated life)
LA-12496-1	Lamp: 69 Watt, A21, 120V (8,000 rated life)

* Clamp band only compatible with Flight Light fixtures.

Marine Treated Option:

- Recommended for harsh, high-salt coastal and marine environments.
- Protects fixture finish from salt damage and prevents corrosion.
- 3-Step Powder Coat: 1) Primer, 2) Epoxy powder base coat and glossy polyester gray (RAL 7030) powder finish coat, 3) Oven curing.

Heliport Perimeter Light Mounting Details

Globe

Head Assembly

Riser

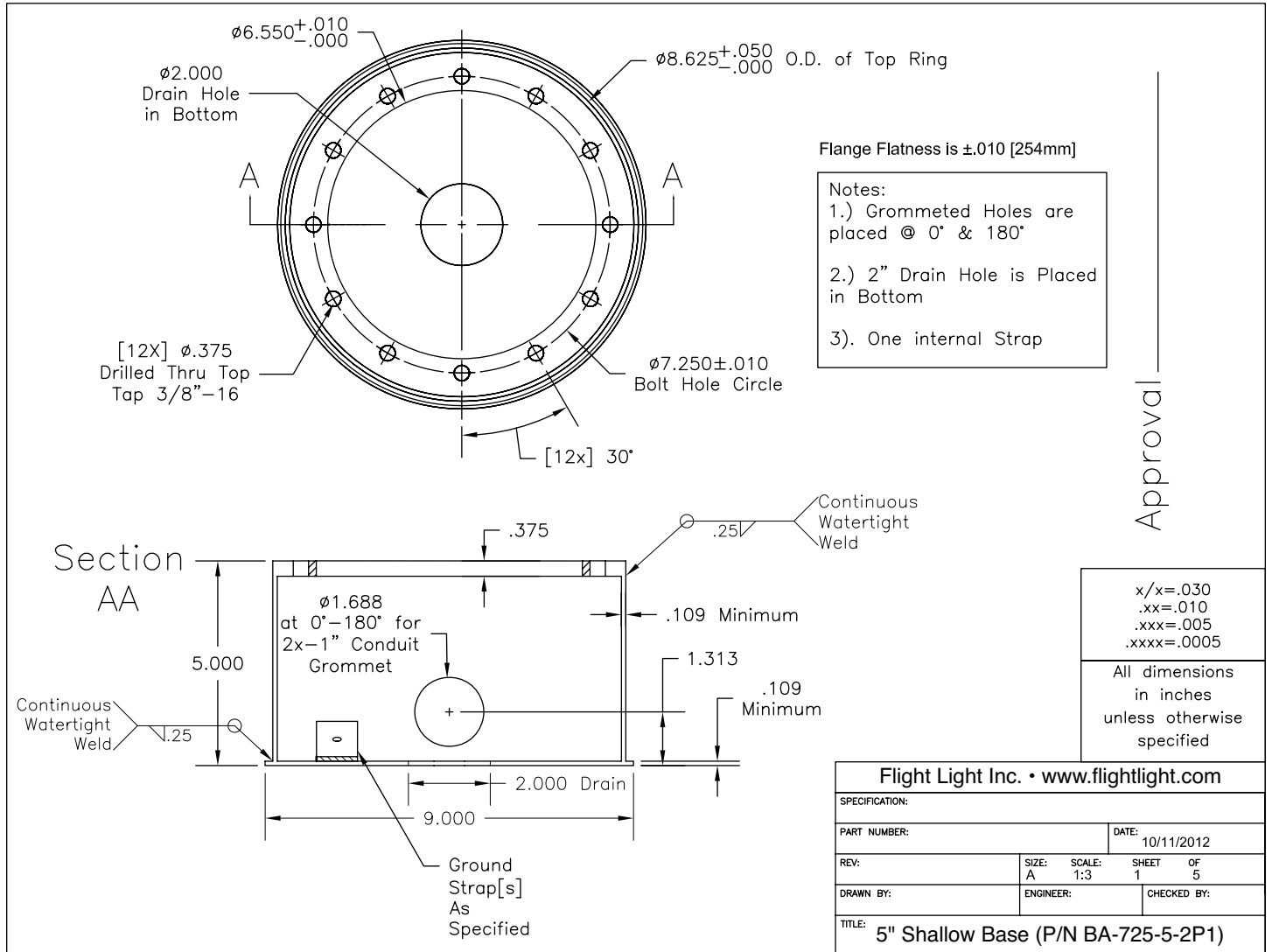Frangible Coupling:
1.5" (FL-FC1.5)
2" (FL-FC2.0)

Base Plate

Light Base

Low Surface Mount

Grade

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Data Sheet: Heliport Perimeter Light
4/12/2024

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ø6.550 +.010 −.000

ø2.000
Drain Hole
in Bottom

ø8.625 +.050 −.000 O.D. of Top Ring

Flange Flatness is ±.010 [254mm]

Notes:
1.) Grommeted Holes are placed @ 0˚ & 180˚

2.) 2" Drain Hole is Placed in Bottom

3). One internal Strap

A   A

[12X] ø.375
Drilled Thru Top
Tap 3/8"−16

ø7.250±.010
Bolt Hole Circle

[12x] 30˚

Approval

Continuous
Watertight
Weld

.25

x/x=.030
.xx=.010
.xxx=.005
.xxxx=.0005

All dimensions
in inches
unless otherwise
specified

Section
AA

.375

.109 Minimum

ø1.688
at 0˚−180˚ for
2x−1" Conduit
Grommet

1.313

5.000

.109
Minimum

Continuous
Watertight
Weld

.25

2.000 Drain

9.000

Ground
Strap[s]
As
Specified

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SPECIFICATION:

PART NUMBER: DATE: 10/11/2012

REV: SIZE: A   SCALE: 1:3   SHEET 1   OF 5

DRAWN BY: ENGINEER: CHECKED BY:

TITLE: 5" Shallow Base (P/N BA-725-5-2P1)

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Heliport Perimeter Light
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Base Plate for L868AA
5" Shallow Base
BA-1935AA-25

Specifications
- Dimensions: 8.5" diameter x .25" thick
- Bolt Circle: 7.25"
- Material: Hot rolled steel
- Finish: Aviation yellow powder coat
- Includes (6) 3/8-16 x 1" stainless steel hex head cap screws
- Part #: BA-1935AA-25
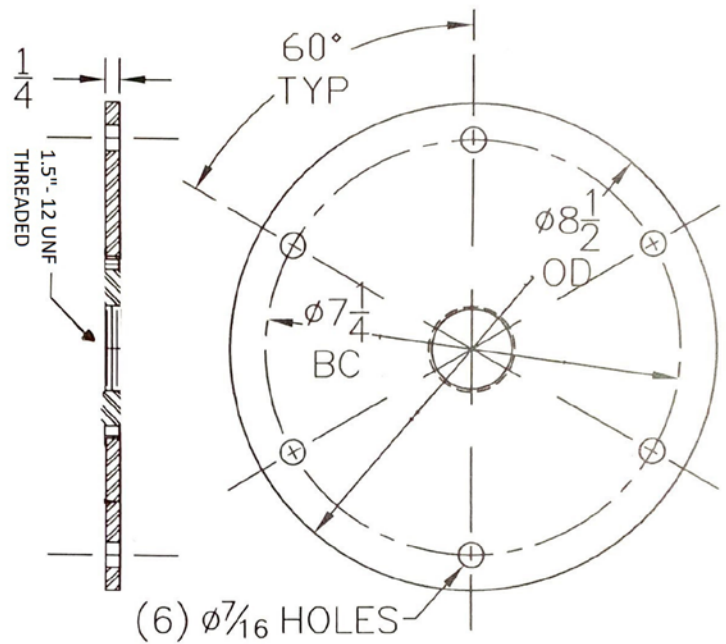
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Low Surface Mount

Rain and snow won't hurt these corrosion-resistant boxes. They feature a powder coating and are UL listed and CSA certified.

The boxes are aluminum and have NPSM (National Pipe Straight Mechanical) threaded hubs in the back and sides for secure connection to conduit and fittings. They come with closure plugs for unused hubs, a grounding screw, and attachable mounting lugs. The boxes may be mounted horizontally and vertically.

Single-device (1 gang) boxes hold one toggle switch, GFCI, duplex receptacle, or other electrical device; two-device (2 gang) boxes hold two.

Specifications:
• Number of Hubs: 5
• Hub Trade Size*: 1/2"
• Overall Size: Diameter 4-5/16", Height 2-1/4"
• Capacity: 16.5 cu. in.
• Finish: powder coating, gray

* Note: Trade size refers to an industry designation for conduit and fittings and is not an actual measurement. When selecting a box, match the trade size of the conduit.

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