AirportLightingCompany

An ISO 9001:2015 Certified Company

AIRFIELD LIGHTING EQUIPMENT

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AirportLightingCompany
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108 Fairgrounds Drive
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WELCOME

AirportLightingCompany
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At Airport Lighting Company, airfield lighting is our only business.

Our extensive inventory means that most orders ship the same day. If you're planning a lighting upgrade or maintaining an airport's legacy system, we'll help you do your job on time and on budget.

Since our first day of business in 1967, for the past 50 years we've become a trusted source for airport lights, lamps, lenses, PAPI, runway signage and electrical supplies.

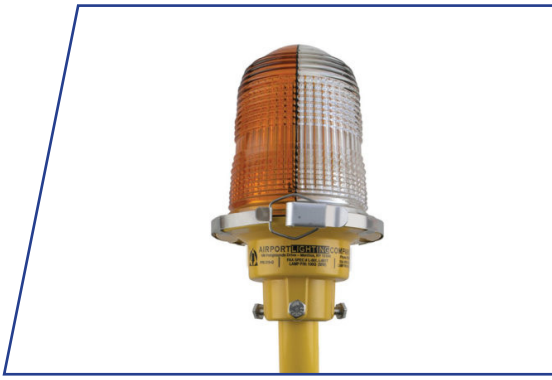
Airport Lighting Company: Your first choice for airfield lighting equipment

- Exclusive IllumiShield® Customer Warranty ensures that you'll be 100% satisfied.
- Free, expert technical support from our highly experienced team.
- Access to professional product managers to assist you with planning.
- Huge inventory of lighting products and fast shipping to get you what you need on time and on schedule.

ETL CM VERIFIED Intertek

ILLUMISHIELD CUSTOMER WARRANTY

Runway & Taxiway Elevated Lights



L-861SE(L) LED Light

Compliances

Certified to FAA AC 150/5345-46 (Current Edition) and Engineering Brief No. 67

Application

Runway Threshold/End, Non-Precision IFR Runways

Key Features

- Long Life LEDs for over 50,000 hours of service.
- Light clarity ensured for years with glass lens.
- Dimmable to FAA intensity curve from 2.8 amp to 6.6 amps.
- Plug and Know circuit design. Dynamic controller senses the attached light engines, allowing for greater service flexibility.
- Daytime recognition provided on lens retainers.
- Leveling surface and sighting cross on cap eliminates the need for an aiming device.
- Fixture surface area designed to meet LED thermal requirements.

General Catalog Numbers

ESEL-□□-□□-□

Side A
R = Red
G = Green
O = Obscure

Side B
R = Red
G = Green
O = Obscure

Mounting Height
14 = 14″
20 = 20″
24 = 24″
30 = 30″

Options
0 = No Arctic Kit
5 = Arctic Kit

Example: ESEL-RG-24 is 24″ high with Red on Side A and Green on Side B.

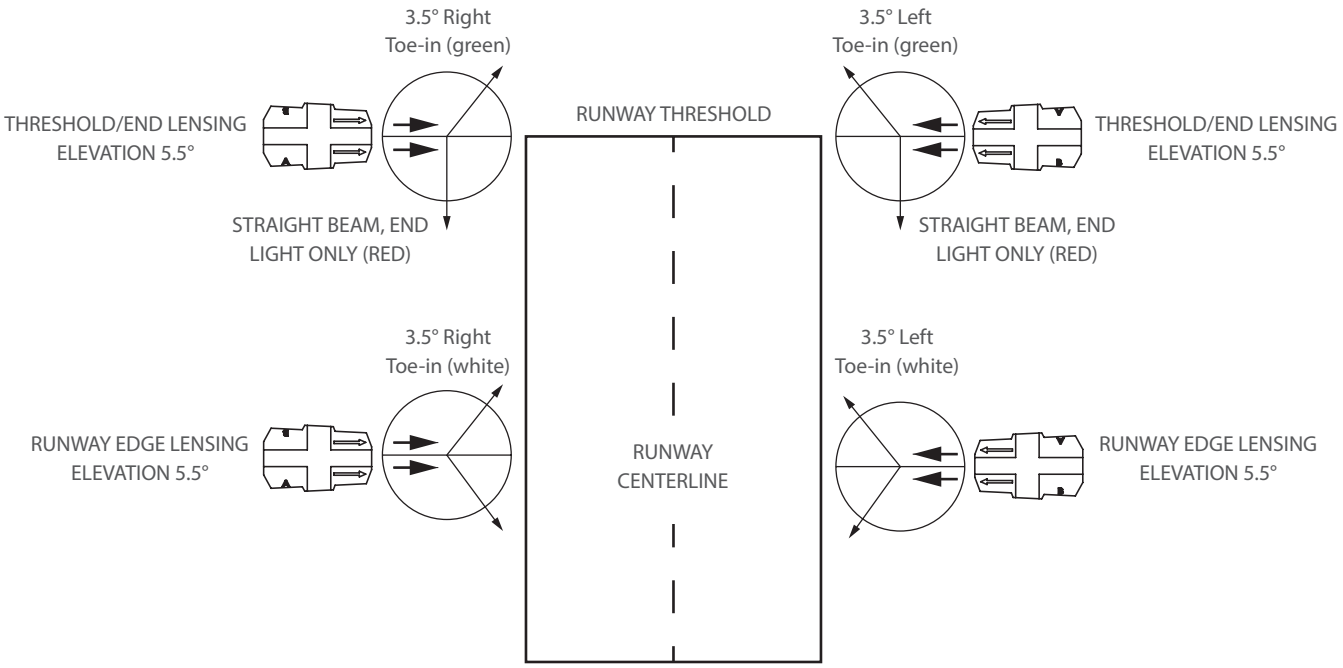
Specifications

Dimensions & Weight

Height, head assembly	6.8 inches
Height, w/ slip fitter	8.9 inches
Width	5.5 inches
Length	5.2 inches
Weight	7.2 pounds

The L862 fixtures ship in a single box (9 1/8 x 5 ¾ x 7) or in a case of 18 (18 x 17 x 16).

View runway edge lights from runway centerline perpendicular to fixture when determining color in conjunction with right-hand and left-hand fixtures. The first color will be on the left toe-in side of the light fixture.



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High Intensity Runway/Threshold Light LED

Compliances (Current Editions)

FAA: AC 150/5345-46 and Engineering Brief No. 67, ETL Certified

ICAO: Annex 14, Volume 1

Canada: TP 312

Application

Runway Edge, Threshold, Displaced Threshold, Threshold/End, Displaced Threshold Precision IFR Runways

Key Features

- Long Life LEDs for over 56,000 hours of service
- Light clarity ensured for years with glass lens.
- Dimmable to FAA intensity curve from 2.8 amp to 6.6 amps
- Plug and Know circuit design. Dynamic controller senses the attached light engines, allowing for greater service flexibility.
- Daytime recognition provided on lens retainers
- Leveling surface and sighting cross on cap eliminates the need for an aiming device
- Fixture surface area designed to meet LED thermal requirements

General Catalog Numbers

EHL-□□-□□-□

Side A
W = White
Y = Yellow
R = Red
G = Green (FAA)
I = Green (ICAO / TP312)
O = Obscure

Side B
W = White
Y = Yellow
R = Red
G = Green (FAA)
I = Green (ICAO / TP312)
O = Obscure

Mounting Height
14 = 14″
20 = 20″
24 = 24″
30 = 30″

Options
0 = No Arctic Kit
5 = Arctic Kit

Example: EHL-RG-24 is 24″ high with Red on Side A and Green on Side B.

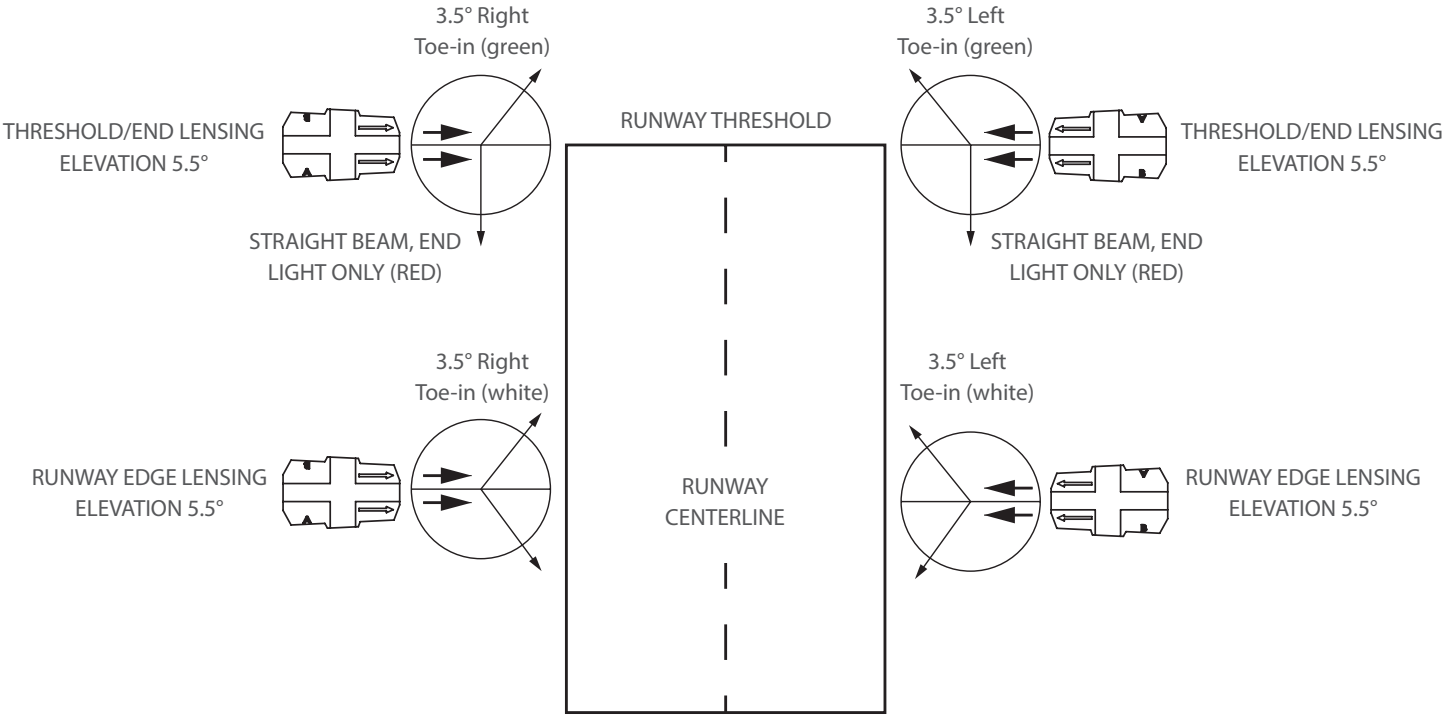
Specifications

Dimensions & Weight

Height, head assembly	6.8 inches
Height, w/ slip fitter	8.9 inches
Width	5.5 inches
Length	5.2 inches
Weight	7.2 pounds

The L862 fixtures ship in a single box (9 1/8 x 5 ¾ x 7) or in a case of 18 (18 x 17 x 16).

View runway edge lights from runway centerline perpendicular to fixture when determining color in conjunction with right-hand and left-hand fixtures. The first color will be on the left toe-in side of the light fixture.



Runway Guardlight LED

Guard Light base plate ordered separately

Compliances (Current Editions)

FAA: AC 150/5345-46 and Engineering Brief No. 67, ETL Certified

ICAO: Annex 14

Canada: TP 312, para. 5.3.12.7 and Appendix 5B Table 5B-1

Application

Helps increase visibility at the hold position, especially during severe weather

Key Features

- ETL Certified ensures performance
- Uses two 21 W LED optical assemblies
- Average LED life of 56,000 hours
- Energy efficient LED lighting reduces circuit load
- 2.8A-6.6A, 100-240VAC 50/60Hz, or 24VDC
- Adjustable light beam elevation with positive locking in one-degree increments
- Minimum average intensity exceeds 3000 candela
- Alternately flashes 45-50 times per minute
- Easy to maintain - no special tools required
- High-strength, powder coated frame and aluminum housing with stainless steel hardware
- Independent black signal head visors provide protection during inclement weather conditions and enhanced contrast during daylight operations
- 2-inch frangible column and tether with positive lock canting
- Supplied with tether and anti-rotation locking plate
- 300 MPH jet blast resistant
- Base unit supplied with a dry contact output for monitoring

General Catalog Numbers

RGL-☐☐-☐-S-☐

C = Mode 1 - 2.8A-6.6A
V = Mode 2 - 100-240VAC 50/60Hz
S = Solar - 24VDC

U = Unmonitored
M = Monitored

Standard Height

Option
1 = On/Off Switch

Specifications

Power Consumption

Mode 1 (on Ferroresonant Regulator)

Input	Power Factor	VA
6.6	.9	64
5.2	.9	33
4.1	.9	21
3.4	.9	16
2.8	.9	13

Mode 1 (on SCR Regulator)

Input	VA
6.6	59
5.2	40
4.1	23
3.4	18
2.8	20

Mode 2 (at 240V, 60Hz)

Light Output	Watts
Full Intensity	37
Low Intensity	15

Replacement Parts

Part #	Description	Compatible
RGL-2	Front Panel with Visors	Mode 1 & 2
RGL-6	12" Base Plate for L-867B	Mode 1 & 2
RGL-8	Lens	Mode 1 & 2
RGL-18	LED Light Engine	Mode 1 & 2
RGL-19	Control Board	Mode 1 & 2
RGL-20	Power Supply, Voltage	Mode 2
RGL-21	Power Supply, Constant Current	Mode 1
RGL-23	Series Surge Arrestor	Mode 2
RGL-25	On/Off Switch, Constant Current	Mode 1
RGL-26	On/Off Switch, Voltage	Mode 2
RGL-38	Spanner Wrench	Mode 1 & 2
RGL-41	Photodiode Assembly	Mode 2
RGL-50	Frangible Column	Mode 1 & 2
34-100666	100 Watt Isolation Transformer	Mode 1

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Medium Intensity Runway/Taxiway Light

Compliances (Current Editions)

FAA: AC 150/5345-46, ETL Certified

Intertek

Application

Taxiway Edge, Runway Edge, Apron Edge, Threshold/End Non Precision Instrument Flight Rules, Displaced Threshold

Key Features

- ETL Certification ensures performance
- One piece housing for easy leveling
- Durable powder coat finish lasts longer
- Threaded 1.5" frangible coupling or optional 2" matches existing baseplates/stakes
- Actual average lamp life far exceeds 1000 hour rated life for fewer lamp changes
- Easy lamp changes with weatherproof clamp and gasket system
- Also available in 120V for economical initial installation
- Available in increased heights for inclement weather visibility

General Catalog Numbers

216-□□-□-□□-□□-□

Wattage
30 = 30W *L-861T Only*
40 = 40W 120V*
45 = 45W

Lamp Type
Q = Quartz
I = Incandescent*
V = Voltage*
**Not ETL Certified*

Colors
C = Clear
Y = Yellow
R = Red
G = Green
B = Blue
O = Opaque

Overall Height
14 = 14"
20 = 20"
24 = 24"
30 = 30"
Other heights available

Option
2 = Frangible coupling with 2" thread for 1" dia. column

Example: 216-45-Q-CY-24 is a 216 fixture with 45 Watt Quartz lamp, clear/yellow lens and 24" overall height

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Parts

Head Assemblies

Includes housing, socket, cord, gasket and lens clamp

216-XX	Incandescent
216Q-XX *L-861, L-861T - 1-5/8" Standoff 99-00305*	Quartz
216QE-XX *L-861E - 1-3/4" Standoff 99-00013*	Quartz

X = Overall height of fixture -14", 20", 24" or 30" - other heights available

Lamp Sockets

73-P	Incandescent
73-Q	Quartz

Connector Cords

766-X	Incandescent
766Q-X	Quartz

X = Overall height of fixture -14", 20", 24" or 30" - other heights available

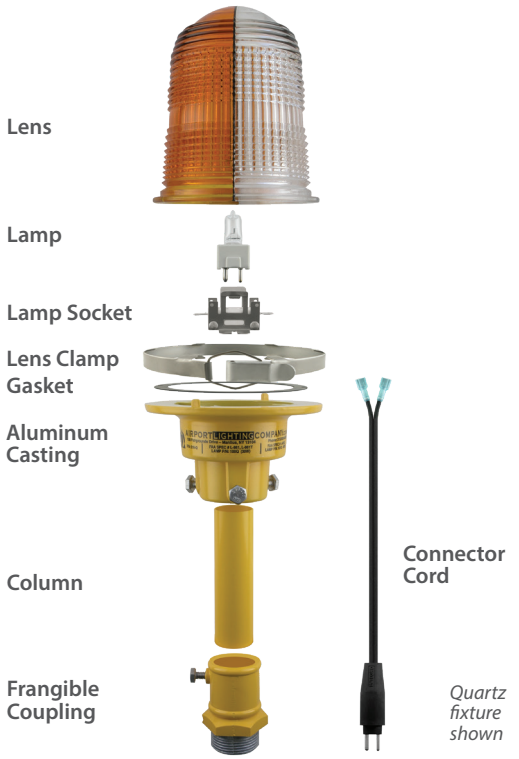
Lenses

50	Green
51	Blue
52	Red
54	Yellow
249	Clear
250	Clear/Green
251	Clear/Red
252	Green/Opaque
253	Green/Yellow
254	Red/Yellow
255	Clear/Yellow
256	Red/Green

Columns

77	6" (14" overall height of fixture)
78	12" (20" overall height of fixture)
78-16	16" (24" overall height of fixture)
79	22" (30" overall height of fixture)

Other heights available.



Lamps

100A	30W Incandescent
101A	45W Incandescent
100Q	30W Quartz
101Q	45W Quartz

Accessories

34-030666	L-830-1 30/45W Transformer
82-D4	L-823 Primary Connector Kit - #8 AWG
71	L-867B 12" diameter base plate w/ 1.5" hub
72	L-867B 12" diameter base plate w/ 2" hub

Other

61	Lens Clamp
62	Lens Gasket
58	Frangible Coupling 1.5" thread for 1" dia. column
58-2	Frangible Coupling 2" thread for 1" dia. column

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Medium Intensity Light LED


ALC-861L-RG-14


ALC-861L-BB-14


ALC-861L-CY-14

Compliances (Current Editions)

FAA: AC 150/5345-46 and Engineering Brief No. 67, ETL Certified

Canada: TP 312, para. 5.3.12.7 and Appendix 5B Table 5B-1

Intertek

Application

Runway Edge, Threshold/End, Non Precision Instrument Flight Rules, Displaced Threshold, Taxiway Edge, Apron Edge

Key Features

- The average LED life is 100,000 hours high intensity / 180,000 hours under typical operating conditions
- Applicable for L-861T (L), L-861 (L) and L-861E (L) requirements
- Colored glass lens for easy day time recognition
- Double sealing system creates watertight head assembly
- Rugged solid state components
- Complies with intensity requirements on 3 or 5 step regulators
- Durable powder coat finish lasts longer
- Reduces power consumption
- Long life LEDs
- Cord set sealed to prevent insect entry
- Threaded 1.5" frangible coupling or optional 2" thread matches existing baseplates/stakes

General Catalog Numbers

ALC-861L-□□-□□-□

Lens Colors
BB = Blue
CC = Clear
CY = Clear/Yellow
GG = Green
GC = Green/Clear
GO = Green/Opaque
GY = Green/Yellow
RR = Red
RC = Red/Clear
RG = Red/Green
RY = Red/Yellow
YY = Yellow

Height
14 = 14"
20 = 20"
24 = 24"
30 = 30"
Other heights available

Options
2 = Frangible coupling with 2" thread for 1" dia. column
5 = Optional heater (6.6A only)
V = 90-260 VAC*
**Not ETL certified*

Example: ALC-861L-RG-24-5 is 24" high with a red/green lens and an optional heater

Parts

Head Assemblies

Includes housing, LED module, cord, and gasket

#861L-ZZ-XX	Head Assembly LED
#861L-ZZ-XX-L	Head Assembly W/LENS
#861L-ZZ-XX-V	Head Assembly LED (Voltage)

ZZ = Fixture color
XX = Overall height of fixture -14", 20", 24" or 30" - other heights available

Connector Cords

#766L-X	Cord

X = Overall height of fixture -14", 20", 24" or 30" - other heights available

Lenses

#61L-XX	Lens

XX = Lens color *Including ring

Columns

#61C-14	7" (14" overall height of fixture)
#61C-20	13" (20" overall height of fixture)
#61C-24	17" (24" overall height of fixture)
#61C-30	23" (30" overall height of fixture)

Other heights available

Other

#61-GSK	Lens Gasket
#58	Frangible Coupling 1.5" thread for 1" dia. column
#58-2	Frangible Coupling 2" thread for 1" dia. column

Accessories

#34-010666	L-830-16 10/15W Transformer
#34-020666	L-830-17 20/25W Transformer
#34-030666	L-830-1 30/45W Transformer
#82-D4	L-823 Primary Connector Kit - #8 AWG
#82-S-D4	L-823 Super Connector Kit
#71	L-867B 12" baseplate 1.5" hub
#72	L-867B 12" baseplate 2" hub
#80	Heat shrink tubing - adhesive throughout
#81	Heat shrink tubing - adhesive ends only

Volt / Amp Loads

Without Heater

Color	VA Load*	Transformer Size
Blue	11.22	10/15W
Green/Opaque	13.20	10/15W
Red/Green	14.52	10/15W
Green/Yellow	15.84	10/15W
Clear	21.12	20/25W
Clear/Yellow	21.12	20/25W
Green	15.84	10/15W
Green/Clear	15.84	10/15W
Red	21.12	20/25W
Red/Clear	21.12	20/25W
Red/Yellow	21.12	20/25W
Yellow	21.12	20/25W

With Heater

Color	VA Load*	Transformer Size
Blue	24.42	20/25W
Green/Opaque	29.70	30/45W
Red/Green	33.00	30/45W
Green/Yellow	35.64	30/45W
Clear	37.62	30/45W
Clear/Yellow	37.62	30/45W
Green	35.64	30/45W
Green/Clear	35.64	30/45W
Red	37.62	30/45W
Red/Clear	37.62	30/45W
Red/Yellow	37.62	30/45W
Yellow	37.62	30/45W

**VA loads are applicable for certified lights*

Parts

Replacement Light Engine, Lens, and Driver Board Part Numbers

Type	Color	Light Engine	Driver Board
L861	Clear	861LEDMOD-CC	61PCB-PWR-HC
L861	Clear / Yellow	861LEDMOD-CC	61PCB-PWR-HC
L861	Clear / Red	861LEDMOD-CC	61PCB-PWR-HC
L861	Yellow	861LEDMOD-CC	61PCB-PWR-HC
L861	Yellow / Red	861LEDMOD-CC	61PCB-PWR-HC
L861	Green	861LEDMOD-GG	61PCB-PWR-LC-GG
L861	Green / Clear	861LEDMOD-GC	61PCB-PWR-LC-GC
L861	Green / Yellow	861LEDMOD-GY	61PCB-PWR-LC-GY
L861	Red	861LEDMOD-CC	61PCB-PWR-HC-RR
L861E	Red / Green	861LEDMOD-RG	61PCB-PWR-LC-RG
L861E	Green / Opaque	861LEDMOD-GO	61PCB-PWR-LC-GO
L861T	Blue	861LEDMOD-BB	61PCB-PWR-LC

High Intensity Runway/Threshold Light

Compliances

FAA: Compliant to AC 150/5345-46

Application

Runway Edge, Threshold, Displaced Threshold, Threshold/End, Displaced Threshold Precision IFR Runways

Key Features

- Easy lamp changes through thumbscrew system - no clamp band or inner/outer lens removal
- Durable powder coat finish lasts longer
- Threaded 1.5" frangible coupling or optional 2" matches existing baseplates/stakes
- Actual average lamp life far exceeds 1000 hour rated life for fewer lamp changes
- Available in increased heights for inclement weather visibility

Toe direction must be specified. Looking at the fixture from the runway center line the color on the left is listed first, followed by the color on the right.

General Catalog Numbers

213Q-□-□□□-□□-□□-□□-□

Column Diameter
1 = 1"
2 = 2"

Wattage
150 = 150W
200 = 200W

Colors
C = Clear
Y = Yellow
R = Red
G = Green
B = Blue
O = Opaque

Overall Height
14 = 14"
20 = 20"
24 = 24"
30 = 30"
Other heights available

Option
2 = Frangible coupling with 2" thread for 1" dia. column

Example: 213Q-1-200-RG-24 is a 213Q fixture with 1" column, 200W lamp, red/green and 24" overall height

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Specifications

Head Assemblies

Includes housing, socket, cord, gasket and lens clamp

#213Q-X	Head Assembly Quartz
#213Q-X-2	Head Assembly Quartz

X = Overall height of fixture -14", 20", 24" or 30" - other heights available.
1 inch column or 2 inch column.

Lamp Socket

#73-Q	Socket Quartz

Outer Lenses

#248Q	Clear
#248Q-CO	Clear/Opaque*
#248Q-OC	Opaque/Clear*
#256Q-GR	Green/Red*
#256Q-RG	Red/Green*
#52Q	Red
#252Q-GO	Green/Opaque*
#252Q-OG	Opaque/Green*

*Toe direction must be specified. Looking at the fixture from the runway center line the color on the left is listed first, followed by the color on the right.

180° Inner Lenses

#57Q-B	Blue
#57Q-C	Clear
#57Q-G	Green
#57Q-R	Red
#57Q-Y	Yellow

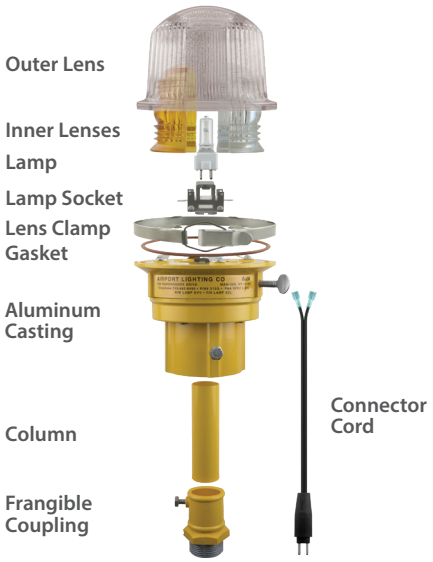
Lamps

#103	120W Quartz
#104	150W Quartz
#105	200W Quartz

Connector Cords

#766QS-X	Quartz

X = Overall height of fixture -14", 20", 24" or 30" - other heights available



Columns

#77	6" (14" overall height of fixture)
#78	12" (20" overall height of fixture)
#78-16	16" (24" overall height of fixture)
#79	22" (30" overall height of fixture)

Other heights available

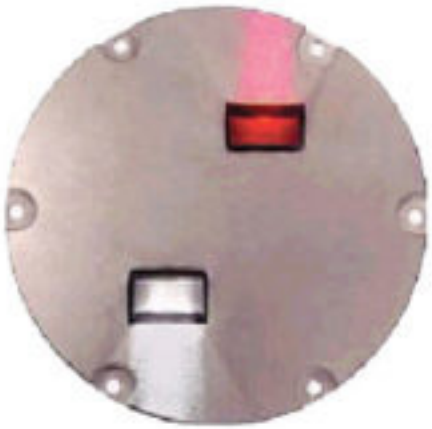
Accessories

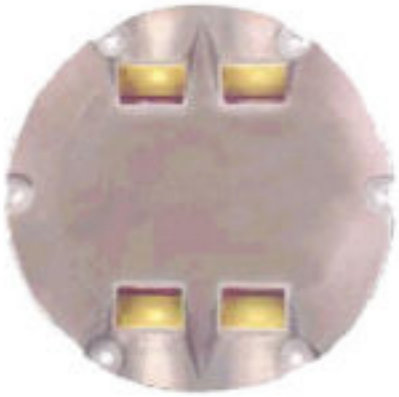
#34-150666	L-830-18 150W Transformer
#34-200666	L-830-6 200W Transformer
#82-D4	L-823 Primary Connector Kit - #8 AWG
#71	L-867B 12" diameter base plate w/ 1.5" hub
#72	L-867B 12" diameter base plate w/ 2" hub

Other

#60Q	Lens Clamp
#63Q	Lens Gasket
#73Q	Lamp Socket
#58	Frangible Coupling 1.5" Thread
#58-2	Frangible Coupling 2" Thread 1" EMT
#59-E-P	Pinted Frangible Coupling 2" Thread 2" EMT

Runway & Taxiway Inset Lights





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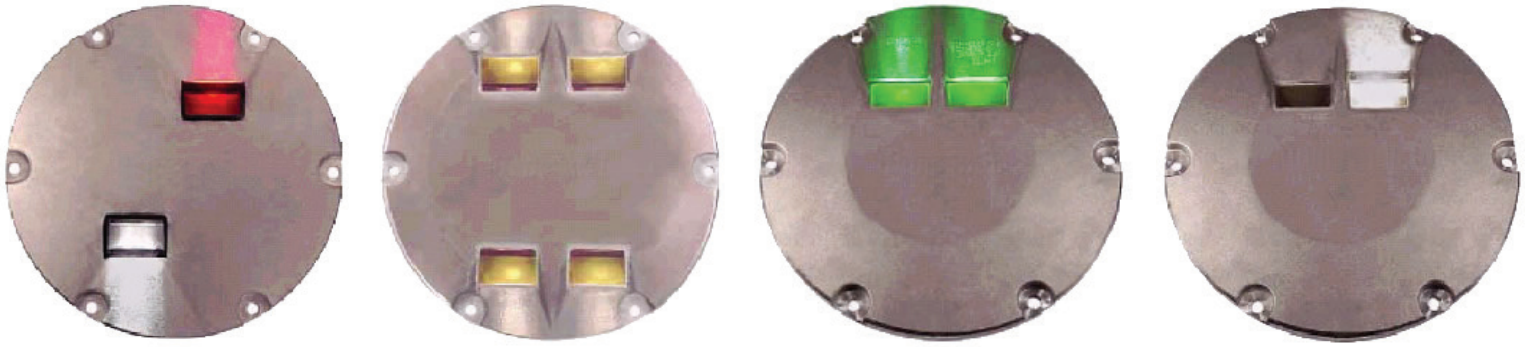
L-850 Runway Inset Lights



Compliances

Certified to FAA AC 150/5345-46 (Current Edition)

Intertek

Application

Installed in locations subject to aircraft and other heavy vehicular loading

Specifications

Model	Used For	Color Available
L-850A L-850A (L)	Runway center line on category I, II & III runways	White/White White/Red White/Opaque Red/Opaque
L-850B L-850B (L)	Touchdown zone lighting on category II & III runways & medium-intensity approach lighting	White
L-850C	Runway edge on category I, II & III runways	White/White White/Yellow White/Red Yellow/Red Yellow/Green
L-850D	Runway end light (unidirectional) Runway threshold/end (bidirectional)	Green/Red Red/Red Green/Opaque Red/Opaque
L-850E	Approach lighting system—Runway Threshold, threshold (green), end of runway (red), stop bar light (red)	White Green Red
L-850F	Land & Hold Short Operations	White: Flashing

Please call for ordering information

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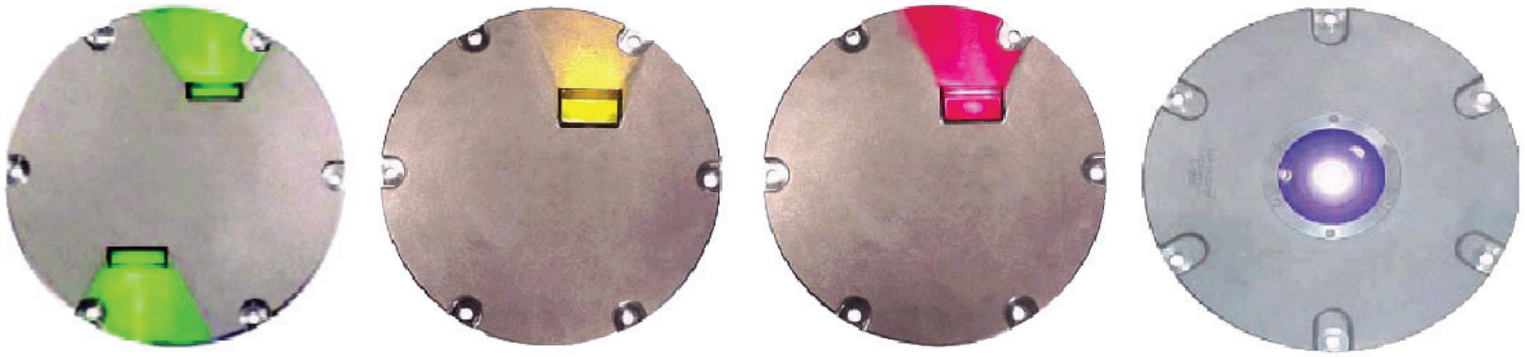
L-852 Runway Inset Lights



Compliances

Certified to FAA AC 150/5345-46 (Current Edition)

Intertek

Application

Installed in locations subject to aircraft and other heavy vehicular loading

Specifications

Model	Used For	Color Available
L-852A L-852A (L)	Taxiway center line on straight sections and clearance bar in Category I and II applications	Yellow/Yellow Green/Green Yellow/Green Green/Opaque Yellow/Opaque
L-852B L-852B (L)	Taxiway center line on curved sections in Category I and II applications	Yellow/Opaque Green/Green Yellow/Yellow Green/Yellow Yellow/Opaque
L-852C L-852C (L)	Taxiway center line on straight section and clearance bar in Category III applications	Yellow/Yellow Green/Green Yellow/Green Green/Opaque Yellow/Opaque Yellow/Opaque
L-852D L-852D (L)	Taxiway center line on curved sections in Category III applications	White/Yellow Green/Green Yellow/Yellow White/White Green/Opaque White/Opaque

Specifications

L-852E	Category I & II taxiway intersections	Yellow
L-852F	Category III taxiway intersections	Yellow
L-852G L-852G (L)	Runway guard light & runway incursion prevention	Yellow: Flashing
L-852J (L)	Curved Category I	Yellow/Yellow Green/Green
L-852K (L)	Curved Category III	Yellow/Yellow Green/Green
L-852S L-852S (L)	Stop bar, controlled & uncontrolled	Red
L-852T L-852T (L)	Taxiway edge	Blue

Please call for ordering information

Approach & Navigational Aids

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Runway End Identifier Lights (REIL)


Uni Co-mounted


Omni Co-mounted


Uni Flashhead


Omni Flashhead


Power Supplies

Compliances (Current Editions)

FAA: AC 150/5345-51

Canada: TP 312 5th Edition Section 5.3.10

Intertek

Key Features

- Low annual energy costs
- Five year flash lamp life expectancy
- High, medium and low intensity
- Primary/Secondary system operation
- Universal, field-programmable timing board
- Field programmable sequence timing
- Meets photometric beam requirements for MALSR, SSALR, and ALSF-I / II

Applications

ODALS	Omni Directional Approach Lighting System
MALSR	Medium intensity approach lighting systems with runway alignment indicator lights
ALSF-I	Approach Lighting System with Sequenced Flashing Lights (Cat. 1 runways)
ALSF-II	Approach Lighting System with Sequenced Flashing Lights (Cat. 2 runways)
SSALR	Simplified Short Approach Lighting System with Runway Alignment Indicator Lights

General Catalog Numbers

L849-□□-□-□

All units have co-mounted flash heads unless specified with Option 6

Type
V1 = 120VAC
V2 = 240V, 60Hz
V3 = 230V, 50Hz
I = 6.6A

Styles
A = Uni-directional, high intensity, one brightness step
B = Omni-directional, high intensity, one brightness step
C = Uni-directional, low intensity, one brightness step
D = Omni-directional, low intensity, one brightness step
E = Uni-directional, three brightness steps
F = Omni-directional, three brightness steps

Options
1 = Elapsed time meter
2 = Current sense module (voltage units only)
3 = Baffles
4 = Flash monitoring
5 = Master control in separate cabinet
6 = Separate mount flash head (specify quantity)
7 = Red filters (omni only)
8 = Light shields (specify degrees coverage)

As Manufactured by: A Technology L *Certified strobe systems since 2003.*

AirportLightingCompany
An ISO 9001:2015 Certified Company

Specifications

Photometric Data

		Effective Intensity		
Part #	FPM	High	Med	Low
L-849-I-A	120	15,000	-	-
L-849-VX-A	120	15,000	-	-
L-849-I-B	60	5,000	-	-
L-849-VX-B	60	5,000	-	-
L-849-I-E	120	15,000	1,500	300
L-849-VX-E	120	15,000	1,500	300
L-849-I-E	60	5,000	1,500	300
L-849-VX-E	60	5,000	1,500	300

Physical Specifications

Uni Flashhead	11.5H x 8.5W x 7D (292 x 216 x 178)
Weight	4.5 lbs. (2 kg)
Omni Flashhead	15H x 13.5 Dia. (381 x 343)
Weight	8.4 lbs. (3.8 kg)
Primary Pwr.	8H x 16W x 14D (203 x 406 x 356)
Supply Weight	51 lbs. (23.2 kg)
Secondary Pwr.	8H x 16W x 14D (203 x 406 x 356)
Supply Weight	47 lbs. (21.3 kg)
Uni Co-Mounted	19.5H x 16W x 14D (495 x 406 x 356 (FHUD-109 & PSUV-101)
Weight	56.5 lbs. (25.7 kg)
Omni Co-mount	23H x 16W x 14D (584 x 406 x 356)
Weight	59.4 lbs. (27kg)

Equipment Data

Control	Remote, local, or automatic
Current (rms Amps)	2.8 to 6.6
Power (Watts)	150 Average; 290 Peak
Flash Rate	60/120 fpm
Uni Nominal Intensity	High 15,000; Medium 1,500; Low 300
Omni Nominal Intensity	High 5,000; Medium 1,500; Low 300
Uni Beam Spread	30° horizontal 10° vertical
Omni Beam Spread	360° horizontal 8° vertical

Power Supply Models

L-849 Styles A and E

255-20001/2 (Voltage-powered)

255-20003/4 (Current-driven)

Note: Above power supplies can be used in sequential flashing configurations (MALSR, ALSF-I/II, SSALR)

L-849 Styles B and F

255-20005/6 (Voltage-powered)

255-20007/8 (Current-powered)

Specifications

Current-Powered

2.8 to 6.6 amperes

Operates directly from (2) 300W Isolation Transformers

No power adapter required

True RMS current sensing

Current sensing set-up required at the Primary Unit Only

Voltage-Powered

120 VAC, 60 Hz | 240 V, 60 Hz | 230 V, 50 Hz

Optional Current-Sensing Module for intensity control

Spare Components

Description	Part Number
Timing & Control Board	255-20079
HV Rectifier Board for Voltage Unit	255-20081
HV Rectifier Board for Current Unit	255-20082
Current Sensing Board	255-20086
Trigger Transformer	55-00027
Uni Flash Tube (Par 56)	55-00145
Omni Flash Tube	55-00360

Standard Options Available

- Co-mounted or Separate mounted flashhead
- Uni-directional or Omni-directional
- 50 or 60 Hz
- Flash monitoring
- Elapsed time meter
- External master controller

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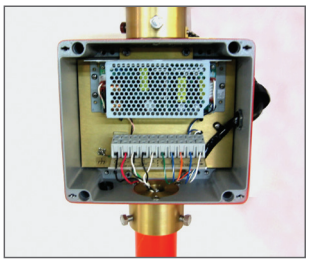
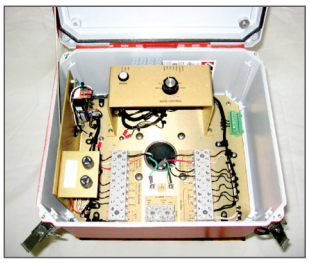
Runway End Identifier Lights (REIL) LED





As Manufactured by:

Certified strobe systems since 2003.

Compliances (Current Editions)

FAA: AC 150/5345-51 and Engineering Brief No. 67, ETL Certified

ICAO: Annex 14, Vol. 1, para. 5.3.8

Canada: TP 312, 5th Edition, Sec. 5.3.10

Intertek

Application

LED REIL provides a visual indication to pilots of the runway threshold during an approach

Key Features

- Superior quality and unmatched technical support
- Low Power Draw
- Beam Coverage - 10° vertically, 30° horizontally
- Flash rate: two flashes per second
- Remote Control: Four-position selector switch or Series Lighting Circuit current sensing
- Meets photometric beam requirements for MALSR, SSALR, and ALSF-I / II
- Voltage-powered
  - 120 VAC, 50 Hz or 60 Hz
  - 230 VAC, 50Hz
  - 240 VAC, 50Hz or 60 Hz
- Current-powered
  - 240 VAC, 50Hz or 60 Hz
  - 2.8 to 6.6 amperes
  - No power adapter required
  - True RMS current sensing
  - Operates from (2) 100 W isolation transformer
- Solar-powered operates from DC source custom configured to installation location

General Catalog Numbers

SAL 1030-□-□-□ –

Type
V = 100-250VAC 50/60Hz
I = 2.8A - 6.6A
S = Solar

Style
A = Uni-directional, high intensity, one brightness step
C = Uni-directional, low intensity, one brightness step
E = Uni-directional, three brightness steps

Options
1 = Elapsed Time Meter
2 = Current sense module (voltage units only)
4 = Flash Monitoring
6 = Separate Mount Flash Head (specify quantity)*

**All units have co-mounted flash heads unless specified with Option 6*

AirportLightingCompany
An ISO 9001:2015 Certified Company

Specifications

Photometric Data

				Effective Intensity		
Model	Style	Type	FPM	High	Med	Low
SAL 1030	A	L-849V, I	120	15,000	-	-
SAL 1030	C	L-849V, I	120	-	-	700
SAL 1030	E	L-849V, I	120	15,000	1,500	300

Parts

Description	Part Number
LSM Circuit Board, Voltage	344-30105
LSM Circuit Board, Current	344-30105-I
Head Controller Board	344-30131
LED Optical Board Set	344-30145
Current Sensing Board	255-20086
50VDC Power Supply, Voltage	44-00146
50VDC Power Supply, Current	44-00176
24VDC Power Supply, Voltage	44-00104
24VDC Power Supply, Current	44-00175

Recommended Installation Control Cable:

12 Gauge Twisted Pair, shielded with the shielding tied on only one end.

Physical Specifications

Head and Power Supply	24.75"H x 14.25"W x 5.58"D
Weight	32lbs.
Primary Control Unit	6.5"H x 13.5"W x 12"D
Weight	10.5lbs.
System Ship Weight	74.5lbs

Applications

REILS	Runway end identifier light system
MALSR	Medium intensity approach lighting systems with runway alignment indicator lights
ALSF-I	Approach Lighting System with Sequenced Flashing Lights (Cat. 1 runways)
ALSF-II	Approach Lighting System with Sequenced Flashing Lights (Cat. 2 runways)
SSALR	Simplified Short Approach Lighting System with Runway Alignment Indicator Lights

Standard Options Available

- 50 or 60 Hz
- Flash monitoring
- Elapsed time meter
- Internal heater kit
- Error code LED display

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Omni Directional Approach Lighting System

Co-Mounted Unit

Separate Mounted Unit

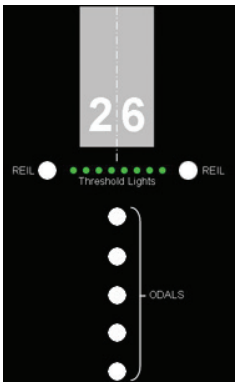
Compliances (Current Editions)

FAA: AC 150/5345-51, ETL Certified

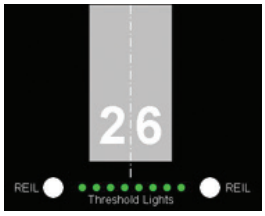
Canada: TP312 Section 5.3.10

Application

The primary application of a ODALS system is to positively identify the end or the threshold of a visual or instrument non-precision runway. A REIL system consists of two synchronized flashing lights. One flasher unit is located at each side of the runway threshold.



Omni-directional approach light system (ODALS)



Runway end identifier light system (REILs)

As Manufactured by: *Certified strobe systems since 2003.*

General Catalog Numbers

L859-□□-F-□

Type
V 1 = 120VAC
V 2 = 240V, 60Hz*
V 3 = 230V, 50Hz*
I = 6.6A

Options
F = Omni, three brightness steps

Options
1 = Elapsed time meter
2 = Current sense module (voltage units only)
3 = Baffles
4 = Flash monitoring
5 = Primary control in separate cabinet
6 = Separate mount flash head (specify quantity)
7 = Red filters
8 = Light shields (specify degrees coverage)

All units have co-mounted flash heads unless specified with Option 6

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Specifications

Photometric Data

		Effective Intensity		
Type	FPM	High	Med	Low
L-859-I-F	60	5,000	1,500	300
L-859-VX-F	60	5,000	1,500	300

Physical Specifications

Omni Flashhead	15H x 13.5 Dia. (381 x 343)
Weight	8.4 lbs. (3.8 kg)
Primary Pwr. Supply	8H x 16W x 14D (203 x 406 x 356)
Weight	51 lbs. (23.2 kg)
Secondary Pwr.	8H x 16W x 14D (203 x 406 x 356)
Supply Weight	47 lbs. (21.3 kg)
Omni Co-mount	23H x 16W x 14D (584 x 406 x 356)
Weight	59.4 lbs. (27kg)

Equipment Data

Control	Remote, local, or automatic
Current (rms Amps)	2.8 to 6.6 5.2 Amps min. required for High intensity
Power (Watts)	150 Average; 290 Peak
Flash Rate	60 p/m
Nominal Intensity	High: 5,000; Med: 1,500; Low: 300
Beam Spread	360º Horizontal, 8º Vertical

Spare Components

Description	Part Number
Timing & Control Board	255-20079
HV Rectifier Board for Voltage Unit	255-20081
HV Rectifier Board for Current Unit	255-20082
Current Sensing Board	255-20086
Trigger Transformer	55-00027
Omni Flash Tube	55-00360

Power Supply Models

Style F

55-20005/6 (Voltage-powered)

255-20007/8 (Current-powered)

Specifications

Current-Powered

2.8 to 6.6 amperes

Operates directly from a 300W isolation transformer

No power adapter required

True RMS current sensing

Current sensing set-up required at the Primary Unit Only

Voltage-Powered

120 VAC, 60 Hz | 240 V, 60 Hz | 230 V, 50 Hz

Optional Current-Sensing Module for intensity control

Spare Components

Co-mounted or Separate mounted flashhead

50 or 60 Hz

Flash monitoring

Elapsed time meter

External primary controller

Key Features

- Lower cost of ownership
- Five year flash lamp life expectancy
- High, medium and low intensity
- Primary/Secondary system operation
- Robust primary control signal
- Field programmable sequence timing
- Common timing board used in Primary and Secondary units

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Precision Approach Path Indicator (PAPI)

Compliances

Certified to FAA AC 150/5345-28 (Current Edition)

Intertek

Application

This system enhances safety by providing visual approach slope guidance to assist the pilot of an aircraft in flying a stabilized approach

Key Features

- Reliable photometric performance
- Stable housing results in fewer shut-downs for realignment, reducing maintenance and increasing airfield utilization
- LED indicator identifies tilt switch circuit fault
- Quartz halogen average rated lamp life is 1000 hours
- No optical bench or special tools required for servicing
- Intuitive design of digital aiming/tilt sensor simplifies setting elevation angles
- Interlock feature allows PAPI operation only in conjunction with runway lights (optional)
- Service indicator provides external signal of lamp out (optional)

General Catalog Numbers

□□□-□-2-□

FAA Type
880 = 4 light units
881 = 2 light units

FAA Style
V = Voltage
C = Current 6.6A

FAA Class
Down to -55°C

Options
1 = Runway Interlock (Voltage only)
3 = Baffle*
4 = 4-leg light units**
**Baffles are field adjustable to modify the horizontal light distribution*
***Standard system has 3 legs per light unit*

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Specifications

Replacement Parts

Part #	Description	PAPI Model
59-E	Frangible Coupling	Styles A & B
106	PAPI Lamp 105W	Styles A & B
88-4V75	VPAPI Printed Circuit Board	Style A
88-3C31	CPAPI Printer Circuit Board	Style B
88-7A00	Aiming Device with Case	Styles A & B
88-6A40	Digital Aiming/Tilt Sensor	Styles A & B
88-6A50	Digital Tilt Sensor Retro Kit*	Styles A & B

Note: Current Driven Model (Style B) uses 300W Transformer
**Replaces either 88-6V02 or 88-6C01 tilt switches*

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Precision Approach Path Indicator (PAPI) LED

U.S. Patent 11,260,991

Compliances (Current Editions)

FAA: AC 150/5345-28 and Engineering Brief No. 67, ETL Certified

ICAO: PAPI Annex 14, Volume 1

Canada: PAPI / APAPI Transport Canada TP 312 par. 5.3.16.12 and Appendix 5B, Figure B-19

Intertek

Application

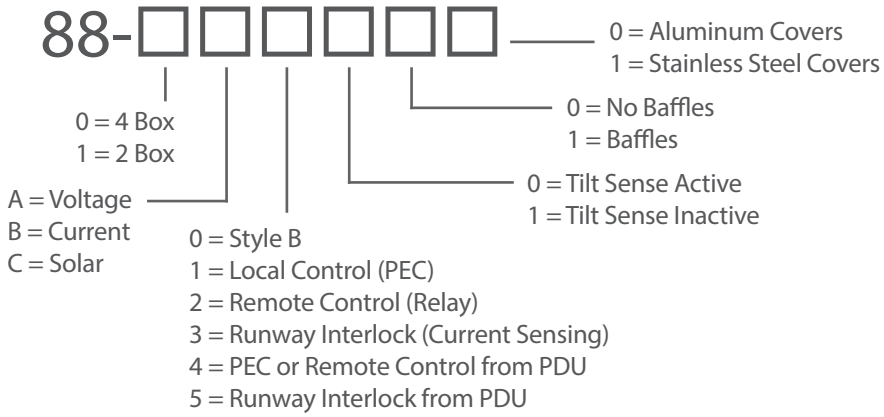
This system enhances safety by providing visual approach slope guidance to assist the pilot of an aircraft in flying a stabilized approach.

Key Features

- Estimated Life of LEDS > 150,000 hours at full intensity
- LED Display indicates angle and status without opening
- Redundant Digitally Controlled Lens Heaters
- 89 Max VA per light unit with heater active
- Compact and Light Weight (less than 40 lbs per LHA)
- Only one Liquid Tight conduit per light unit
- Optical Lens hardened against sandblast
- Optical Chamber Sealed against moisture and dust
- Streamlined mounting leg assemblies
- Retrofits directly on ALC incandescent installations
- External Junction Box (PDU) configurations available
- FAA Class 2: -55° C

Specifications

General Catalog Numbers



Replacement Parts

Part #	Description
88-00100	Control / Tilt Board
88-00250	LED Light Engine Kit
88-00300	RS485 Communications Board
88-00400	Power Conditioning Board
88-04000	LED PAPI Top Assy with PEC
88-00600	Display Board
88-00700	Power Supply, Style A
88-00005	Heated Lens Assembly
44-00175	Power Supply, Style B
59-E	Frangible Coupling
34-200666	L-830-6 200W 6.6A/6.6A Isolation Transformer

Electrical Characteristics, Style A

Input Power 108-265VAC 50/60Hz	Lens Heater Inactive	Lens Heaters Active
L-880 (4 Box)	200 VA	260 VA
L-881 (2 Box)	100 VA	130 VA

Electrical Characteristics, Style B

Using a 200W Isolation Transformer	Lens Heater Inactive	Lens Heaters Active
L-880(L) (4 Box)	276 VA	356 VA
L-881(L) (2 Box)	138 VA	178 VA

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L-802A HBM 400PS Airport Rotating Beacon

Beacon Tipdown Pole

Compliances

Certified to FAA L-802A AC 150/5345-12 (Current Edition) and ICAO Annex 14, para 5.3.3

Intertek

Application

This Hali-Brite beacon is designed for night operation as an identification and location marker for airports

Key Features

- Patented belt-drive system eliminates the lubrication maintenance required by conventional gear-drive beacons (U.S. Pat. 5,339,224)
- Patented liquid-filled lamp connector, eliminating the slip rings and brushes found on conventional beacons (U.S. Pat. 5,816,678)
- Two 40,000 lumen, 400 watt pulse-start metal-halide lamps
- Pulse-start lamps are fully bright in 3-5 minutes
- 15,000 hour typical lamp life (2-3 years)
- One clear lens, one aviation green lens
- No maintenance except lamp replacement
- All moving parts are permanently lubricated
- Thermally-protected motor eliminates burnouts
- Lamps preset 5° above horizontal, adjustable
- 12 RPM rotation, 24 flashes/minute
- Weatherproof steel cabinet, powder coated international orange
- Class I temperature range: -30 to +55 °C (-22 to +131 °F)
- Class II temperature range: -55 to +55 °C (-67 to +131 °F)
- Tested to wind velocities of 100 mph
- Optional photocell and/or tell-tale relay
- Mountable on a Hali-Brite Tipdown Pole
- Power Consumption: 965W Class I, 1365W Class II
- Military version available
- Manufactured in the USA

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Specifications

Ordering Information

Part Number	Description
L-802A6116	120 VAC, 60 Hz, Class I
L-802A6125	220-240 VAC, 50 Hz, Class I
L-802A6126	220-240 VAC, 60 Hz, Class I
L-802A6216	120 VAC, 60 Hz, Class II
L-802A6225	220-240 VAC, 50 Hz, Class II
L-802A6226	220-240 VAC, 60 Hz, Class II

Note: 220-240 VAC must be single wire with neutral

Options

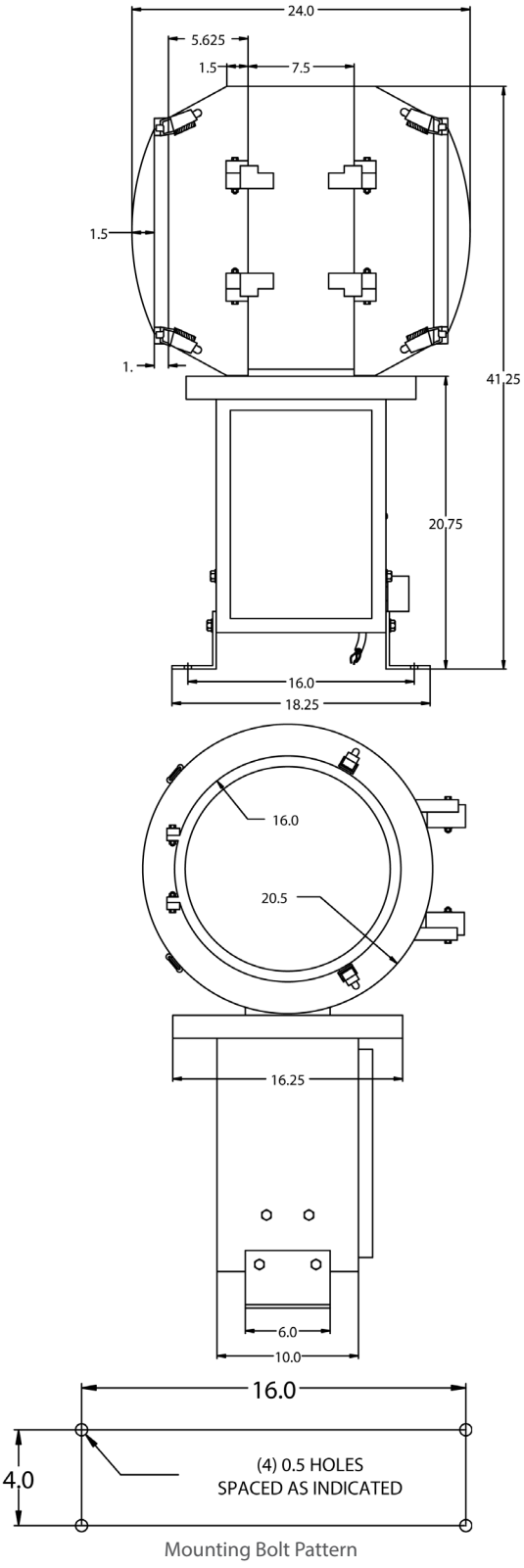
Part Number	Description
L-801/802 T/T HBM 120	Tell-tale Relay, 120 VAC
L-801/802 T/T HBM 240	Tell-tale Relay, 220-240 VAC
4200-0000	Tower Mounting Kit

Replacement Parts

Part Number	Description
0200-0021	Ballast, 60 Hz
0200-0022	Ballast, 50 Hz
0600-0003	Belt
2300-0003	Lamp Fuse, 10 amp
2300-0002	Motor Fuse, 1/2 amp
3400-0400/H75/PS	Lamp, 400 watt
2800-0035	Lens, Clear
2800-0044	Lens, Green
0100-3825	Lens Clip

Standard Options Available

- Unpacked Weight: 150 pounds
- USA Shipping Weight: 250 pounds
- USA Shipping Volume: 48”x42”x32”
- International Shipping Weight: 200 pounds
- International Shipping Volume: 48”x40”x32”



Mounting Bolt Pattern

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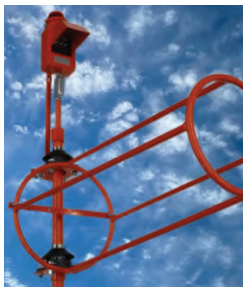
Supplemental Wind Cone, Frangible


Internal Light Kit


External Light Kit


Optional Solar Power Supply SPS-100

Compliances

FAA: AC 150/5345-27F L806, L806(L)

Intertek

Application

Provides visual indication of wind direction and velocity for pilots at Vertiports, Heliports, smaller airfields, and as supplemental wind indicators near runway touchdown areas on large airfields.

Key Features

- Perfect for Vertiports, Heliports or Airports
- Pre-assembled bearings and basket for easy installation
- Mounting options include: Roof, Wall, Floor Flange, 2" NPT Conduit or L-867 Base Plate
- Certified to FAA AC 150/5345-27F by ETL
- 50,000 to 100,000 hour LED lamp life, virtually maintenance free. 4 year warranty
- 80-90%less power consumption than halogen lamps
- NVG visibility
- Solar power option available-eliminate long underground wire and conduit installations! Wind cone certified to FAA AC 150/5345-27F by ETL
- Marine Treated Option (recommended for installations within 100miles of saltwater) available for increased useful life in corrosive environments
- Size 1 (18" diameter x 8' long) wind sock (berry compliant) treated for rot, mildew, and water repellent
- One piece welded aluminum basket
- Powder coat painted international orange

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Specifications

General Catalog Numbers

L-806-S1-□□-□□□-□□-□□

IN = Internally Lighted (FAA Style I-B)
EX = Externally Lighted (FAA Style I-A)
UN = Unlighted

120 = 120 Volt, LED, 14-19 watts
66A = 6.6amp, LED, 52-65 watts
12V = 12 Volt, LED, 6 watts
230 = 230/240V 50/60hz 14-21watts
NON = Unlighted

FM = Floor Flange Mount
WM = Wall Mount
RM = Roof Mount
NM = No Mount/by others

HS = Hinged Steel Pole
ST = Steel Pole (non-hinged)
HA = Hinged Aluminum Pole
AL = Aluminum Pole (non-hinged)

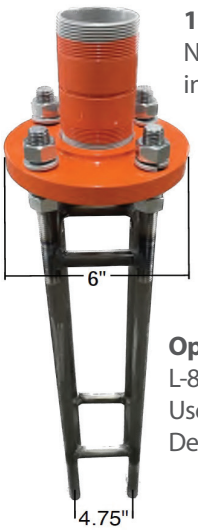
Options

L806 Marine Treat	"Marine Treated" for corrosive environments, within 100mi of saltwater. Includes: marine treated powder coat, stainless steel bearings/hardware
L806 Anchor Cage	Welded anchor cage for embedding in concrete.
SPS-100-2	Solar Power Supply for 12v windcone models
L806 Hinge Plate	Base Hinge Plate for L806
7400-0000-1	FAA Size 1, 18" throat by 8' long, berry compliant windsock
1800-0025	Frangible Coupling

L806-RM

L806-WM

Roof/Wall Mount: Used for mounting Windcone directly to a wall or roof. Fasteners supplied by others. Must be secured directly to framing member capable of supporting the windcone.



1800-0025 Frangible
Note: One frangible coupling included with every L806 order

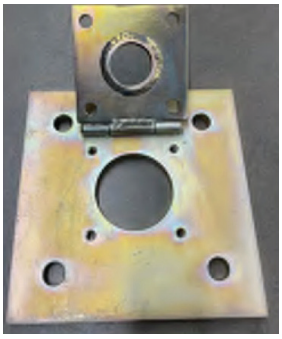
L806-FM
Floor Flange Mount: Used for mounting Windcone directly to foundation. Anchors supplied by others or see optional L806-Anchor Cage

Optional L806-Anchor Cage
L-806 Anchor Cage, Welded square assembly. Used for embedding in foundation. Designed to fit L806-FM

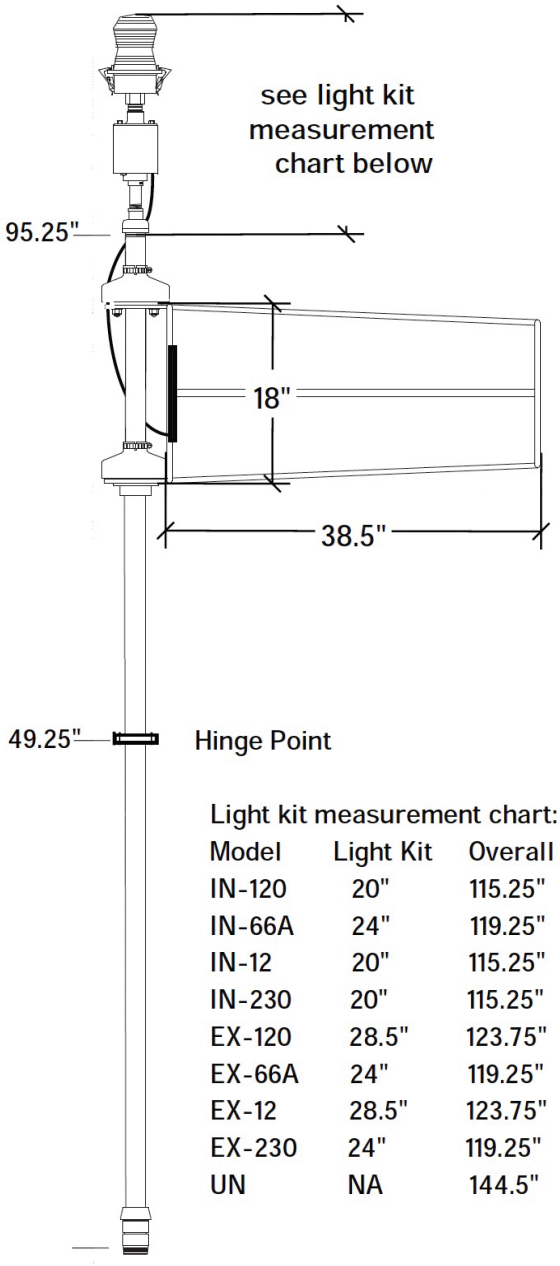
Specifications

Pole Options
HS: Hinged Steel
ST: Steel (non-hinged)
HA: Hinged Aluminum
AL: Aluminum (non hinged)

7400-0000-1 Windsock
Note: One FAA Size 1 Windsock included with every L806



L806 Hinge Plate
Custom built to existing foundation bolt pattern



Light kit measurement chart:

Model	Light Kit	Overall
IN-120	20"	115.25"
IN-66A	24"	119.25"
IN-12	20"	115.25"
IN-230	20"	115.25"
EX-120	28.5"	123.75"
EX-66A	24"	119.25"
EX-12	28.5"	123.75"
EX-230	24"	119.25"
UN	NA	144.5"

Warranty Information

4 Year Warranty on LED Lamps
2 Year Warranty on Windcone
See Manual for details

Shipping Information

Unpackaged Weight: 60 lbs
Hinged Pole Palletized Volume: 48" x 48"x 32" 120 lbs (Fully Crated Option 200 lbs)
Non-Hinged Poles Palletized Volume: 96" x 48"x 32" 180 lbs (Fully Crated option 300 lbs)
L806 With SPS-100 Palletized Volume: 96" x 48"x 40" 525 lbs (Fully Crated option 685 lbs)

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Primary Wind Cone, Non-Frangible

Hali-Brite® L807 Size 2 shown with Hali-Brite® Segmented Circle

Compliances

FAA: AC 150/5345-27F L807, L807(L)

ICAO: Annex 14, Volume 1, para. 5.1.1 (Size 2)

Intertek

Application

Windcone/ Wind Direction Indicator provides visual indication of wind direction and velocity for pilots

Key Features

- Primary Wind Cone for all Airport, Heliport and Vertiports
- Certified to FAA AC 150/5345-27F by ETL
- ICAO Compliant to Annex 14, Vol. 1, para. 5.1.1 (Size 2)
- Available in FAA Size1 (18"x8' sock) or FAA Size2 (36"x12' Sock)
- Designed to operate at any ambient temperature between -67°F (-55°C) and 131°F (+55°C)
- Designed to withstand winds up to 75 knots (140 km/hr or 86 mph).
- Windsock moves freely about the vertical shaft it is attached to when subjected to wind of 3 knots (5.6 km/hr or 3.5 mph) or more and indicates the true wind direction within ±5 degrees.
- Windsock extends fully when subjected to wind of 15 knots (28.7 km/hr or 17.8 mph)
- Anchor cage for concrete footing included
- Pre-assembled bearings and basket for easy installation
- Easy to operate winch for lowering basket
- 50,000 to 100,000 hour LED lamp life
- 4 year warranty on LED Lamps
- 80-90%less power consumption than halogen lamps
- NVG visibility
- Solar power option available-eliminate long underground wire and conduit installations!
- Marine Treated Option (recommended for installations within 100miles of saltwater) available for increased useful life in corrosive environments
- Wind Sock included, (berry compliant) treated for rot, mildew, and water repellent

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Specifications

General Catalog Numbers

L-807-□□-□□-□□□ —

S1 = FAA Size 1 (18" basket throat, 8' long sock)
S2 = FAA Size 2 (36" basket throat, 12' long sock)

IN = Internally Lighted (FAA Style I-B)
EX = Externally Lighted (FAA Style I-A)
UN = Unlighted

**All models Certified to FAA AC 150/5345-27F by ETL*

120 = 120 Volt, LED,
(Size1 14-19watts)
(Size2 21-32watts)
66A = 6.6amp, LED,
(Size1 52-65watts)
(Size2 52-88watts)
12V = 12 Volt, LED,
(Size1 6watts)
(Size2 10Watts)
230 = 230/240V 50/60hz
(Size1 14-21watts)
(Size2 21-36Watts)
NON = Unlighted

Options

L807 Marine Treat	"Marine Treated" for corrosive environments, within 100mi of saltwater. Includes: marine treated powder coat, stainless steel bearings, hardware, winch and anchor cage
SPS-100-2	Solar Power Supply for size 1 12v windcone models
SPS-200-2	Solar Power Supply for size 2 12v windcone models
7400-0000-1	FAA Size 1, Windsock, 18" throat by 8'long, berry compliant
7400-0002	FAA Size 2, Windsock, 36" throat by 12' long, berry compliant

**One windsock included in every L807 order*

Optional Solar Power Supply

Size 1 Windsock, included

Anchor Cage, Included

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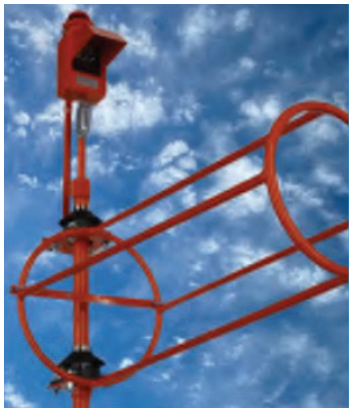
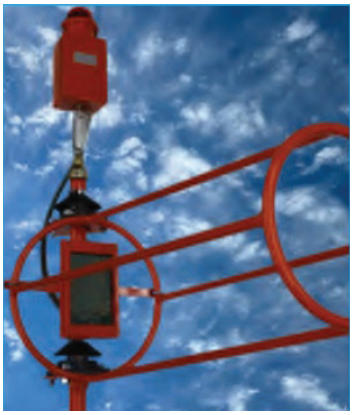
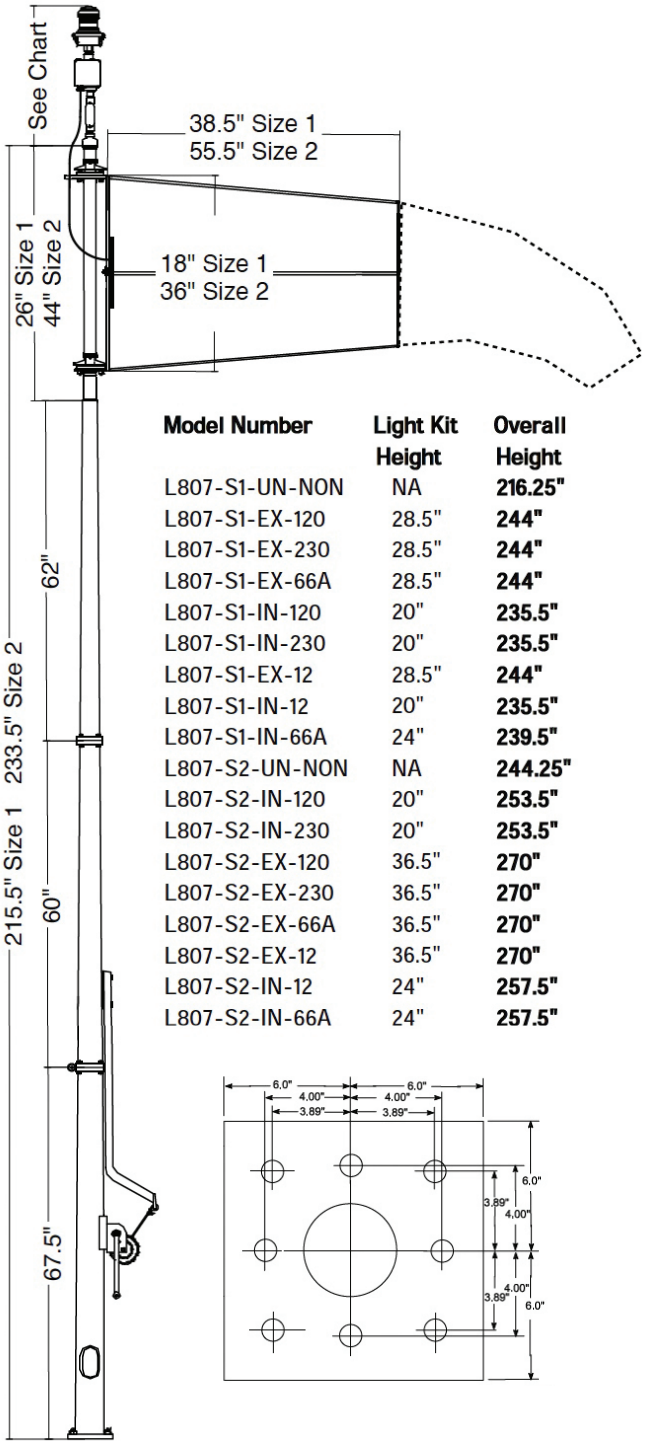
Specifications

External LED



Internal LED





Model Number	Light Kit Height	Overall Height
L807-S1-UN-NON	NA	**216.25"**
L807-S1-EX-120	28.5"	**244"**
L807-S1-EX-230	28.5"	**244"**
L807-S1-EX-66A	28.5"	**244"**
L807-S1-IN-120	20"	**235.5"**
L807-S1-IN-230	20"	**235.5"**
L807-S1-EX-12	28.5"	**244"**
L807-S1-IN-12	20"	**235.5"**
L807-S1-IN-66A	24"	**239.5"**
L807-S2-UN-NON	NA	**244.25"**
L807-S2-IN-120	20"	**253.5"**
L807-S2-IN-230	20"	**253.5"**
L807-S2-EX-120	36.5"	**270"**
L807-S2-EX-230	36.5"	**270"**
L807-S2-EX-66A	36.5"	**270"**
L807-S2-EX-12	36.5"	**270"**
L807-S2-IN-12	24"	**257.5"**
L807-S2-IN-66A	24"	**257.5"**

Warranty Information

4 Year Warranty on LED Lamps
2 Year Warranty on components
See Manual for details

Shipping Information

Unpackaged Weight: 212 lbs
Palletized Volume: 72″ x 48″x 42″
Palletized Weight: 350lbs (Fully Crated option 500lbs)

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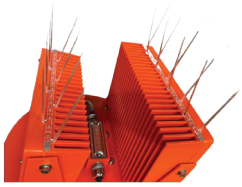
L801A(L) Hali-Brite® LED Rotating Heliport Beacon



Optional Bird Spikes

Compliances

FAA: L-801A(L) A/C150/5345-12F Medium Intensity Airport Beacon.

ICAO: Annex 14, Volume 1

Application

Designed primarily for night operation as identification and location markers for airports

Key Features

- FAA ETL Certified, AIP Qualified
- 65% Power reduction over traditional metal halide lamps
- Instant on- no more waiting for bulbs to get to full bright!
- FAA Certificate of Conformance: L-801A(L)-Medium Intensity Airport Beacon (AC 150/5345-12F)
- ICAO: Aerodromes, Annex 14, Volume 1, Eighth Edition. Photometry – Chapter 5, Sec. 5.3.3.6 and 5.3.3.7
- Chromaticity – Appendix 1 Section 2.3.1
- One white LED lamp, One aviation green LED lamp
- 50,000 hour typical lamp life (12 years)
- Patented belt-drive system eliminates the lubrication required by conventional gear-drive beacons (U.S. Pat. 5,339,224)
- Lamps preset 5˚ above horizontal, adjustable
- Optional stainless steel cabinet & bearings for highly corrosive environments
- Class I (No Heater) normal operating temperature range: 0°F to +131°F (-18°C to +55°C)
- Class 2 (With Heater) normal operating temperature range: -67°F to +131°F (-55°C to +55°C)
- Heater thermostatically controlled to engage at 0°F
- Optional tell-tale relay (monitors lamps and triggers dry contact on outage)
- Power Consumption L-801A(L): Class I; 136W. Class II; 536W
- Manufactured in the USA
- AIP Buy American qualified

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Specifications

Ordering Information

Part #	Description
L801AL116	120 VAC, 60 Hz, Class I
L801AL125	*220-240v, 50hz, Class I
L801AL126	*220-240v, 60hz, Class I
L801AL216	120v, 60hz, Class II
L801AL225	*220-240v, 50hz, Class II
L801AL226	*220-240v, 60hz, Class II

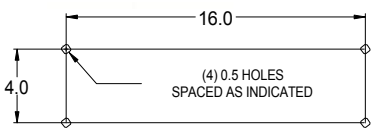
*220-240v Models are for overseas applications,
(220-240 volts LINE TO NEUTRAL)

Options

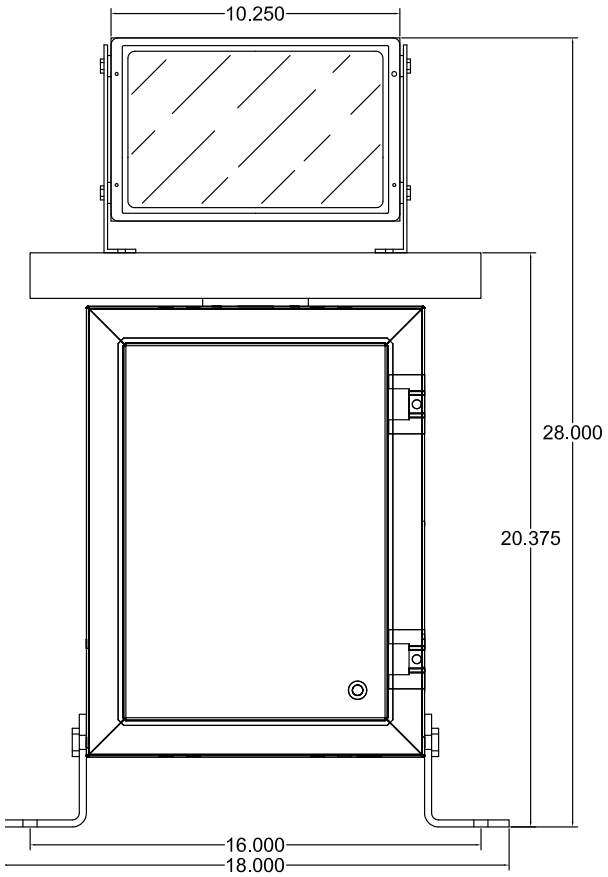
Part #	Description
L801/802 T/T LED 120	Tell-Tale Relay 120V
L801/802 T/T LED 240	Tell-Tale Relay 240V 60Hz
L801/802 Bird Spikes	Large polycarbonate resin spikes running along each beacon head to deter birds. UV Stabilized, Clear.
L801 HBM SS	For corrosive environment installations/installations within 100mi of seawater: stainless steel cabinet, bearings, legs and hardware throughout.
4200-0000A	Tower Mounting Kit: Creates a platform from 36" Beacon to all current model beacons
4200-0001A	Tower Mounting Kit, Stainless Steel

Shipping Information

Unpackaged Weight: 75 pounds
Shipping Weight: 125 pounds
Shipping Volume: 48"x40"x26"



MOUNTING BOLT PATTERN



Replacement Parts

Part #	Description
0100-3944	Surge Protector
0200-0031	150 W Power Supply
0200-0034	70 W Power Supply
0600-0003	Drive Belt
4100-0000-1A	Motor 120VAC
4100-0006-2	Motor 230VAC
5000-0003	Pulley, Main Shaft
5000-0004	Pulley, Motor
9100-0015	1/2 in Conduit Cover & Gasket
9200-0047	Head Assembly, White
9200-0048	Head Assembly, Green

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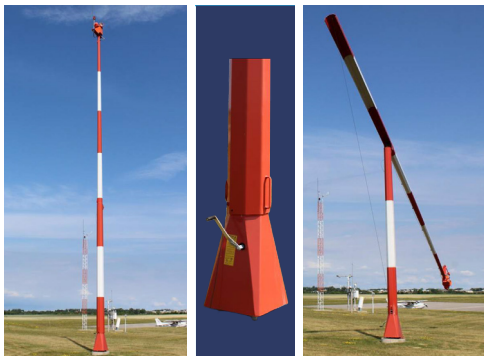
L801H(L) Hali-Brite® LED Rotating Heliport Beacon

Hali-Brite®



Optional Beacon Tipdown Pole

Compliances

FAA: L-801H A/C150/5345-12F (Current Edition)

Application

Designed primarily for hospitals and helicopter landing pad location markers

Key Features

- FAA ETL Certified L-801H A/C150/5345-12F
- 80% Power reduction over traditional metal halide lamps
- Instant on- no more waiting for bulbs to get to full bright! Perfect for hospital heliports
- Less light pollution! Defined light beam provides less light "wash" in the sky and on neighborhoods
- FAA Certificate of Conformance: L-801H(L)-Medium Intensity Heliport Beacon (AC 150/5345-12F)
- Patented belt-drive system eliminates the lubrication required by conventional gear-drive beacons (U.S. Pat. 5,339,224)
- 50,000 hour typical lamp life (12 years)
- One white LED lamp, one aviation green LED lamp, one amber LED lamp
- All moving parts are permanently lubricated
- Lamps preset 5˚ above horizontal, adjustable
- 12 RPM rotation, 36 flashes/minute
- Weatherproof steel cabinet, powder coated international orange
- Optional stainless steel cabinet & bearings for highly corrosive environments
- Class I (No Heater) normal operating temperature range: 0°F to +131°F (-18°C to +55°C)
- Class 2 (With Heater) normal operating temperature range: -67°F to +131°F (-55°C to +55°C)
- Heater thermostatically controlled to engage at 0°F
- Tested to wind velocities of 100 mph
- Optional photocell and/or tell-tale relay
- Mountable on a Hali-Brite Tipdown Pole
- Power Consumption L-801H(L): Class I; 116W, Class II; 516W
- Manufactured in the USA

AirportLightingCompany
An ISO 9001:2015 Certified Company

Specifications

Ordering Information

Part #	Description
L801HL116	120 VAC, 60 Hz, Class I
L801HL125	*220-240v, 50hz, Class I
L801HL126	*220-240v, 60hz, Class I
L801HL216	120v, 60hz, Class II
L801HL225	*220-240v, 50hz, Class II
L801HL226	*220-240v, 60hz, Class II

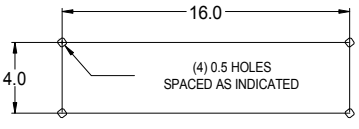
*220-240v Models are for overseas applications,
(220-240 volts LINE TO NEUTRAL)

Options

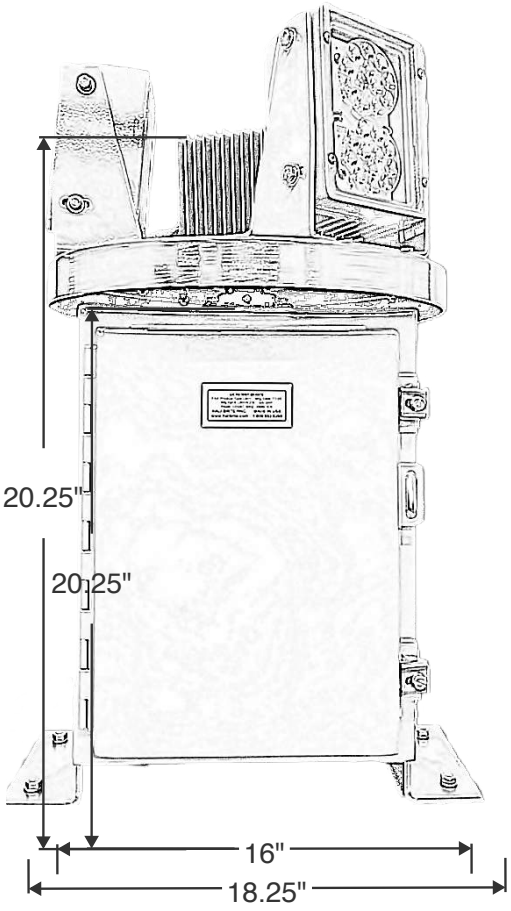
Part #	Description
L801/802 T/T LED 120	Tell-Tale Relay 120V
L801/802 T/T LED 240	Tell-Tale Relay 240V 60Hz
L801/802 Bird Spikes	*Large polycarbonate resin spikes running along each beacon head to deter birds. UV Stabilized, Clear.
L801 HBM SS	For corrosive environment installations/installations within 100mi of seawater: stainless steel cabinet, bearings, legs and hardware throughout.
4200-0000A	Tower Mounting Kit: Creates a platform from 36" Beacon to all current model beacons
4200-0001A	Tower Mounting Kit, Stainless Steel

Shipping Information

Unpackaged Weight: 75 pounds
Shipping Weight: 125 pounds
Shipping Volume: 48"x25"x26"



MOUNTING BOLT PATTERN



Replacement Parts

Part #	Description
0100-3944	Surge Protector
0200-0030	200 W Power Supply
0200-0032	70 W Power Supply
0600-0003	Drive Belt
4100-0000-1A	Motor 120VAC
4100-0006-2	Motor 230VAC
5000-0003	Pulley, Main Shaft
5000-0004	Pulley, Motor
9100-0015	1/2 in Conduit Cover & Gasket
9200-0049	Head Assembly, White
9200-0050	Head Assembly, Green
9200-0051	Head Assembly, Amber

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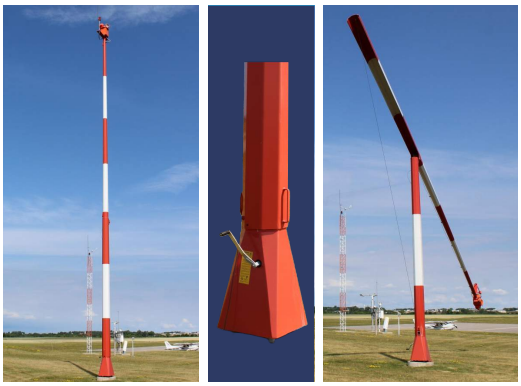
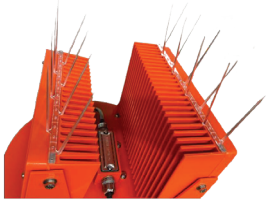
L802A(L) Hali-Brite® LED Rotating Heliport Beacon

Hali-Brite®



Optional Beacon Tipdown Pole



Optional Bird Spikes

Compliances

FAA: L-802A(L) A/C150/5345-12F High Intensity Airport Beacon.

ICAO: Annex 14, Volume 1

Application

Designed primarily for night operation as identification and location markers for airports

Key Features

- 75% Power reduction over traditional metal halide lamps
- Instant on- no more waiting for bulbs to get to full bright!
- FAA Certificate of Conformance: L-802A(L)-High Intensity Airport Beacon (AC 150/5345-12F)
- ICAO: Aerodromes, Annex 14, Volume 1, Eighth Edition. Photometry – Chapter 5, Sec. 5.3.3.6 and 5.3.3.7
- Chromaticity – Appendix 1 Section 2.3.1
- One white LED lamp, One aviation green LED lamp
- 50,000 hour typical lamp life (12 years)
- Patented belt-drive system eliminates the lubrication required by conventional gear-drive beacons (U.S. Pat. 5,339,224)
- 50,000 hour typical lamp life (12 years)
- Lamps preset 5˚ above horizontal, adjustable
- Optional stainless steel cabinet & bearings for highly corrosive environments
- Class I (No Heater) normal operating temperature range: 0°F to +131°F (-18°C to +55°C)
- Class 2 (With Heater) normal operating temperature range: -67°F to +131°F (-55°C to +55°C)
- Heater thermostatically controlled to engage at 0°F
- Optional tell-tale relay (monitors lamps and triggers dry contact on outage)
- Power Consumption L802A(L): Class I; 195W, Class II; 595W
- Manufactured in the USA
- AIP Buy American qualified

AirportLightingCompany
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Specifications

Ordering Information

Part #	Description
L802AL116	120 VAC, 60 Hz, Class I
L802AL125	*220-240 VAC, 50 Hz, Class I
L802AL126	*220-240 VAC, 60 Hz, Class I
L802AL216	120 VAC, 60 Hz, Class II
L802AL225	*220-240 VAC, 50 Hz, Class II
L802AL226	*220-240 VAC, 60 Hz, Class II

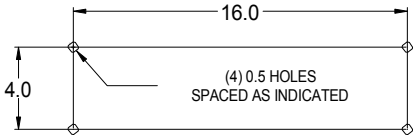
*220-240v Models are for overseas applications,
(220-240 volts LINE TO NEUTRAL)

Options

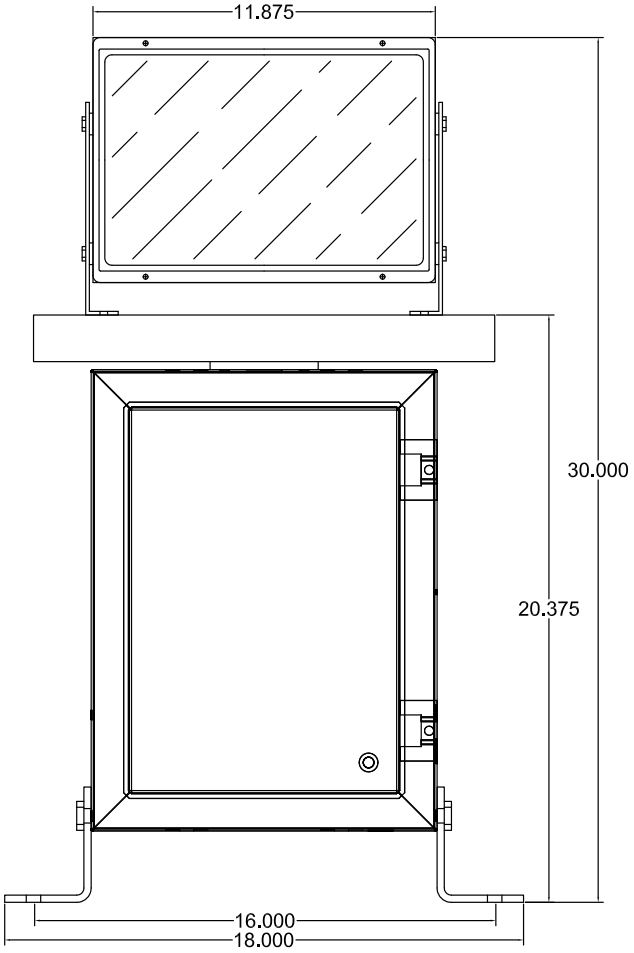
Part #	Description
L801/802 T/T LED 120	Tell-Tale Relay 120V
L801/802 T/T LED 240	Tell-Tale Relay 240V 60Hz
L801/802 Bird Spikes	Large polycarbonate resin spikes running along each beacon head to deter birds. UV Stabilized, Clear.
L802 HBM SS	For corrosive environment installations/installations within 100mi of seawater: stainless steel cabinet, bearings, legs and hardware throughout.
4200-0000A	Tower Mounting Kit: Creates a platform from 36" Beacon to all current model beacons
4200-0001A	Tower Mounting Kit, Stainless Steel

Shipping Information

Unpackaged Weight: 77 pounds
Shipping Weight: 120 pounds
Shipping Volume: 48"x40"x26"



MOUNTING BOLT PATTERN



Replacement Parts

Part #	Description
0100-3944	Surge Protector
0200-0033	200 W Power Supply
0200-0034	70 W Power Supply
0600-0003	Drive Belt
4100-0000-1A	Motor 120VAC
4100-0006-2	Motor 230VAC
5000-0003	Pulley, Main Shaft
5000-0004	Pulley, Motor
9100-0015	1/2 in Conduit Cover & Gasket
9200-0052	Head Assembly, White
9200-0053	Head Assembly, Green

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L-801 HBM 150/2 Airport Rotating Beacon

Beacon Tipdown Pole

Compliances

Certified to FAA L-801 AC 150/5345-12 (Current Edition) and ICAO Annex 14, para 5.3.3

Intertek

Application

This Hali-Brite beacon is designed for night operation as an identification and location marker for airports

Key Features

- Patented belt-drive system eliminates the lubrication required by conventional gear-drive beacons (U.S. Pat. 5,339,224)
- Patented liquid-filled lamp connector, eliminating the slip rings and brushes found on conventional beacons (U.S. Pat. 5,816,678)
- Two 13,000 lumen, 150 watt pulse-start metal-halide lamps
- 10,000 hour typical lamp life (2-3 years)
- One clear lens, one aviation green lens
- No maintenance except lamp replacement
- All moving parts are permanently lubricated
- Impedance-protected motor eliminates burnouts
- Lamps preset 5° above horizontal, adjustable
- 12 RPM rotation, 24 flashes/minute
- Weatherproof steel cabinet, powder coated international orange
- Class I temperature range: -30 to +55 °C (-22 to +131 °F)
- Class II temperature range: -55 to +55 °C (-67 to +131 °F)
- Tested to wind velocities of 100 mph
- Optional photocell and/or tell-tale relay
- Mountable on a Hali-Brite Tipdown Pole
- Power Consumption: 395W Class I, 795W Class II
- Manufactured in the USA

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Specifications

Ordering Information

Part Number	Description
L801A1116	120 VAC, 60 Hz, Class I
L801A1125	220-240 VAC, 50 Hz, Class I
L801A1126	220-240 VAC, 60 Hz, Class I
L801A1216	120 VAC, 60 Hz, Class II
L801A1225	220-240 VAC, 50 Hz, Class II
L801A1226	220-240 VAC, 60 Hz, Class II

Note: 220-240 VAC must be single wire with neutral

Options

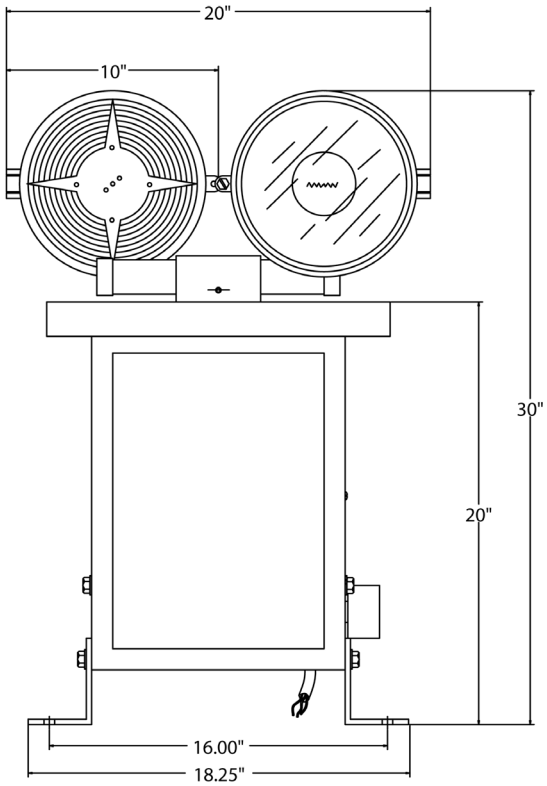
Part Number	Description
L-801/802 T/T HBM 120	Tell-tale Relay, 120 VAC
L-801/802 T/T HBM 240	Tell-tale Relay, 220-240 VAC
4200-0000	Tower Mounting Kit
L801-/L802 HBM SS	Stainless Steel Option

Replacement Parts

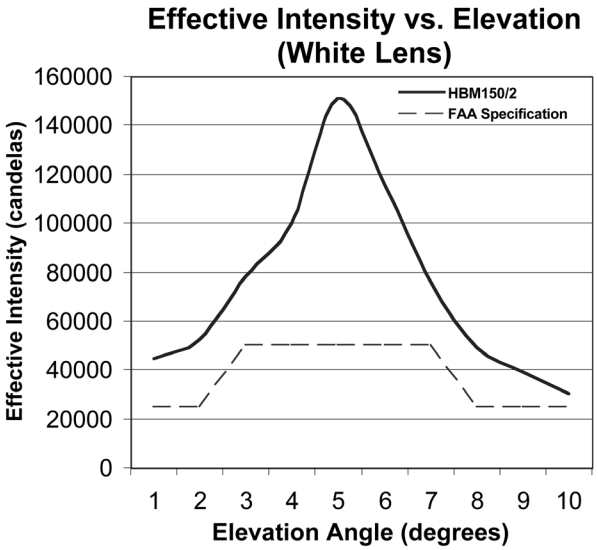
Part Number	Description
0200-0024	Ballast Assy 50 Hz
0200-0023	Ballast Assy 60 Hz
0600-0003	Belt
2300-0002	Motor Fuse, 1/2 amp
2300-0010	Lamp Fuse, 6.25 amp
3400-0125B	Lamp, 150 watt pulse-start
2800-0006	Lens, Clear
2800-0043	Lens, Green
2800-0025	Lens, Amber
1500-0011	Lens Clip

Standard Options Available

- Unpacked Weight: 75 pounds
- USA Shipping Weight: 110 pounds
- USA Shipping Volume: 48" x 25" x 25"
- International Shipping Weight: 110 pounds
- International Shipping Volume: 40" x 25" x 25"



Mounting Bolt Pattern



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L-801H and L-802H HBM 150/3 Heliport Rotating Beacons

Beacon Tipdown Pole

Compliances

Certified to FAA L-801H AC 150/5345-12 (Current Edition); FAA L-802H AC 150/5345-12 (Current Edition); and ICAO Annex 14, para 5.3.3

Application

These Hali-Brite beacons are designed for night operation as identification and location markers for heliports

Key Features

- Patented belt-drive system eliminates the lubrication maintenance required by conventional gear-drive beacons (U.S. Pat. 5,339,224)
- Patented liquid-filled lamp connector, eliminating the slip rings and brushes found on conventional beacons (U.S. Pat. 5,816,678)
- Three 14,000 lumen, 150 watt metal-halide lamps
- 12,000 hour typical lamp life (3 years)
- One clear, one aviation green, and one yellow lens
- Available in Hospital Heliport version (not FAA certifiable)
- No maintenance except lamp replacement
- All moving parts are permanently lubricated
- Impedance-protected motor eliminates burnouts
- Lamps preset 5° above horizontal, adjustable
- 12 RPM rotation, 36 flashes/minute
- Weatherproof steel cabinet, powder coated international orange
- Optional stainless steel cabinet & bearings for highly corrosive environments
- Class I temperature range: -30 to +55 °C (-22 to +131 °F)
- Class II temperature range: -55 to +55 °C (-67 to +131 °F)
- Tested to wind velocities of 100 mph
- Optional photocell and/or tell-tale relay
- Mountable on a Hali-Brite Tipdown Pole
- Military version available
- Power Consumption: 595W Class I, 995W Class II
- Manufactured in the USA

AirportLightingCompany
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Specifications

Ordering Information

Part Number	Description
L801H7116	120 VAC, 60 Hz, Class I
L801H7116M	120 VAC, 60 Hz, Class I, Military Heliport
L801H7125	220-240 VAC, 50 Hz, Class I
L801H7125H	220-240 VAC, 50 Hz, Class I, Hospital Heliport
L801H7126	220-240 VAC, 60 Hz, Class I
L801H7126H	220-240 VAC, 60 Hz, Class I, Hospital Heliport
L801H7216	120 VAC, 60 Hz, Class II
L801H7216H	120 VAC, 60 Hz, Class II, Hospital Heliport
L801H7225	220-240 VAC, 50 Hz, Class II
L801H7225H	220-240 VAC, 50 Hz, Class II, Hospital Heliport
L801H7226	220-240 VAC, 60 Hz, Class II
L801H7226H	220-240 VAC, 60 Hz, Class II, Hospital Heliport

Note: 220-240 VAC products are single phase only

Options

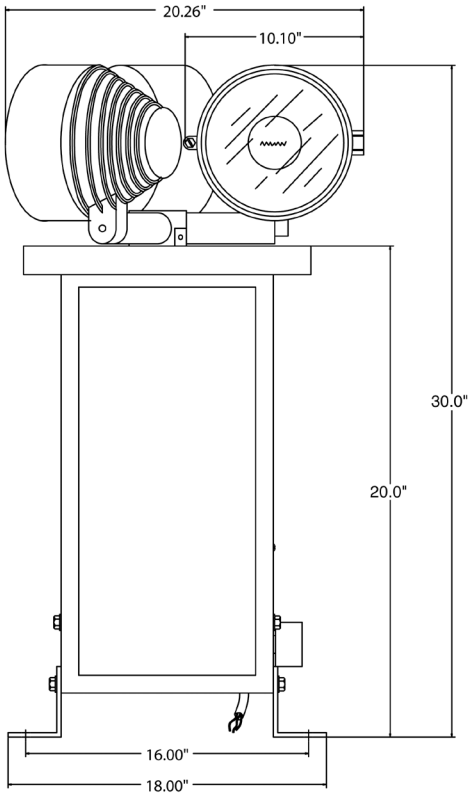
Part Number	Description
L-801/802 T/T HBM 120	Tell-tale Relay, 120 VAC
L-801/802 T/T HBM 240	Tell-tale Relay, 220-240 VAC
4200-0000	Tower Mounting Kit
L801/L802 HBM SS	Stainless Steel Option

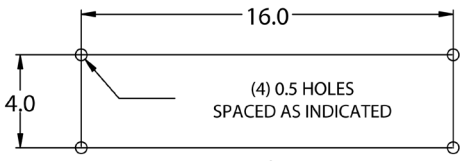
Standard Options Available

- Unpacked Weight: 96 pounds
- USA Shipping Weight: 124 pounds
- USA Shipping Volume: 48”x28”x25”
- International Shipping Weight: 124 pounds
- International Shipping Volume: 48”x28”x25”

Replacement Parts

Part Number	Description
0200-0007	Ballast, 120/240 VAC, 60Hz
0600-0003	Belt
2300-0002	Motor Fuse, 1/2 amp
2300-0012	Lamp Fuse, 8 amp
3400-0125B	Lamp, 150 watt
2800-0006	Lens, Clear
2800-0043	Lens, Green
2800-0025	Lens, Amber
2800-0010	Lens, Red
2800-0026	Lens, Split Beam
1500-0011	Lens Clip





Mounting Bolt Pattern

Power & Control Equipment

AirportLightingCompany
An ISO 9001:2015 Certified Company

828HC – Benchtop CCR

Application

The 828HC Benchtop Constant Current Regulator (CCR) is used to test a wide range of airfield-lighting products from the convenience of a maintenance garage, truck in the field or vault.

Key Features

- 120V, 6A input allows for operation on a standard 15A or 20A wall receptacle
- Ferroresonant design employs same vital components as Airport Lighting Company's full-size CCR lineup
- 500W Rating allows larger equipment to be connected
- Capable of powering flashing equipment including strobes and guardlights
- Fully loaded output is only 76V
- Output power connections are factory-molded L-823 Type I plug and receptacle primary-style, allowing standard L-830 isolation transformers to be used
- Open circuit, overcurrent, and overvoltage safeties on all models
- Output current can be controlled to increments of .01A
- 3-step, 5-step, or combined 7-step operation available and changeable in field
- Display includes digital readings of output current and output voltage
- Same intuitive, fully digital interface as Airport Lighting Company's full-size CCR
- Powerful software allows CCR to be recalibrated in field, recall previous settings & calibration, change brightness steps, track warnings & faults, and more
- Safety interlock disconnects output power when cabinet door is opened
- Rubber feet prevent shifting and are oil & grease resistant
- Plug & Play operation

Electrical Specifications

- Input Voltage: 120VAC, 60Hz
- Maximum Output: 6.6A, 76VAC

Install Dimensions

- 18"W x 17"D x 9.2"H - 74 lbs.
- Part Number: 828HC

AirportLightingCompany
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Airport Lighting Control Panel Type I

Compliances (Current Editions)

FAA: L-821 Type III AC 150/5345-3
ICAO: Annex 14, Volume I; Aerodrome Design Manual, Part 5
Canada: TP312
UFC 3-535-3
NAVAIR 51-50AAA-2

Intertek

Applications

The L-821 Airport Lighting Control Panel is used to control various airport lighting and auxiliary systems. The Type I panels use conventional rotary, toggle, or push-button switches that operates a familiar and reliable method of controlling the airport lighting.

Key Features

- High-quaility package with economical cost of entry
- Availability of rotary, toggle, or push button switches ensures flexibility in design and implimentation
- Screwless terminal block connections ensure ease of install and remove the need to verify tightening torque
- Fully customized control panel tailored to your airport
- On-site commisioning available
- Design control in accordance with ISO 9001:2015

General Catalog Numbers

CMS-□-□

M = Type I, Conventional Panel

F = Class F, Flush Mount Panel
S = Class S, Surface Mount Panel
W = Class W, Wall Mount Panel

AirportLightingCompany
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Airport Lighting Control Panel Type III

Compliances (Current Editions)

FAA: L-821 Type III AC 150/5345-3
ICAO: Annex 14, Volume I; Aerodrome Design Manual, Part 5
Canada: TP312
UFC 3-535-3
NAVAIR 51-50AAA-2

Intertek

Applications

The L-821 Airport Lighting Control Panel is used to control various airport lighting and auxiliary systems. The Type III panels use a state-of-the-art PLC controller with touch screen to give operators a robust method of controlling the airport lighting.

Key Features

- Robust PLC controller offers various control options for IO including support of Ethernet-based interface with Airport Lighting Company DCMUs
- Various touchscreen sizing and mounting options include panel mount and free standing, from 12.1" to 23" widescreen
- Fully customized HMI tailored to your airport. The L-821 Type III includes an airport layout and customized "soft buttons"
- On-site commissioning available
- Design control in accordance with ISO 9001:2015

General Catalog Numbers

CMS-□-□

P = Type III, PLC-Based Panel

F = Class F, Flush Mount Panel
S = Class S, Surface Mount Panel
W = Class W, Wall Mount Panel

AirportLightingCompany
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L-828/L-829 Ferroresonant Constant Current Regulator SRA Switchgear Regulator Assembly

Ordering Information

To order a Switchgear Regulator System, contact the Airport Lighting Company Sales Department - (315) 682-6460

Compliances

L-828/L-829 AC 150/5345-10 (Current Edition); Monitoring according to AC 150/5345-10 (Current Edition)

Intertek

Application

The switchgear regulator cell fits into a switchgear line up. Switchgear regulators allow a smaller installation footprint, minimize down time and ease of connection to other vital airport systems such as ALCMS. Supplies three or five precision output currents to power airfield series lighting circuits.

Key Features

- L-828 or L-829 Switchgear cells available
- Class 1 or Class 2* availability for 6.6A or 20A circuits
- Air cooled
- Maximum efficiency power factor
- Dedicated raceways for control and power
- Easy Installation and Operation
- Built in IRMS availability
- Internal S -1 Cutout availability
- 3 or 4 bus availability, up to 65kAIC

Standard Features

- Digital True-RMS readings of output current, output voltage, kW, kVA
- Temperature alarm
- 120VAC or 24VDC control
- Circuit breaker interlocks with door for added safety
- Available kW ratings include - 1kW, 2kW, 4kW, 5kW, 7.5kW, 10kW, 15kW, 20kW, 25kW & 30kW
- 24 inch wide cells for 1kW - 10kW regulators
- 36 inch wide cells for 15kW - 30kW regulators

**Compliant to FAA Specification*

Electrical Specifications

- Input Voltage: 208VAC* , 220VAC*, 240VAC, 480VAC 60Hz (50Hz and additional voltage available upon request)
- Output: 6.6A or 20A*
- Redundant communications available
- Circuit breaker interlock & door switch interlock

AirportLightingCompany
An ISO 9001:2015 Certified Company

Circuit Selector Switch

Compliances (Current Editions)

FAA: AC 150/5345-5, ETL Certified
ICAO: Areodrome Design Manual Part 5; and NAVAIR 51-50AAA-2

Application

The Circuit Selector Switch is used to direct the output of a Constant Current Regulator between one or more series circuits. The usage may include, but is not limited to, switching sections of taxiways, PAPIs, or REILs.

Key Features

- Easy Installation and Operation
- Clear dead-front cover ensures users are protected from High Voltage connections
- May be used with Local or Remote control
- Optional Monitoring provides indication of user command as well as sensed current
- Rated for 6.6A or 20A circuits
- Wide input voltage range of 100VAC to 240VAC, 50/60Hz
- Make-before-break solid-state control ensures reliable operation
- Dependable, high-quality vacuum relays ensure safety and long-term operation
- Optional Interlock allows for remote shutdown of connected CCR

Electrical Specifications

- Input Voltage: 100VAC - 240VAC, 50/60Hz
- Remote Control Voltage: 24V – 120V, 60Hz
- Monitoring Voltage: 24V – 120V, 50/60Hz

Operational Specifications

- Operating Temp: -40°F to +131°F (-40°C to +55°C)

Specifications

General Catalog Numbers

847-□-□-□-□□□

Type
1 = 1 Circuit
2 = 2 Circuits
3 = 3 Circuits
4 = 4 Circuits

Class
A = Indoor Rated
B = Outdoor Rated

Rating
1 = 6.6 Amp, 5kV Circuits
2 = 20 Amp, 5kV Circuits*

Remote Control Power
1 = Internal 24VDC
2 = Supply Power (Nominal: 120 VAC)
3 = External 24V-120V

Monitor Power
0 = No Monitoring
1 = Internal 24VDC
2 = Supply Power (Nominal: 120 VAC)
3 = External 24V-120V

CCR Interlock Capability
0 = No Interlock Capability
1 = CCR Interlock Ready

**Compliant to FAA Specification*

Airport Lighting Control and Monitoring System

Compliances

Certified to FAA AC 150/5345-56 (Current Edition)

ICAO Annex 14, Vol. 1

ICAO Aerodrome Design Manual, Part 5

Application

The ALCMS simplifies the control and monitoring of lighted visual aids and enhances airport safety. The basic function of the system remains the same whether for a general aviation airport that supports only a few operations in a day or a large commercial airport which caters to hundreds of operations on any given day.

Key Features

- Preprogrammed Preset Failsafe that can be reconfigured in the field
- Capable of individually controlling each of the airport lighting circuit elements.
- Customizable touch screen(s) graphics dependent upon individual airport requirements and options
- Support of redundant communication networks including: Single Mode Fiber (SM), Multi Mode Fiber (MM), Wireless RF, Hardwire
- Control of non-Regulator elements such as Beacons, Wind Cones, Generators, and ATS
- Customizable RVR Presets
- Open architecture allows for simple integration of off-the-shelf replacement parts
- Future-proof system design that is easily expandable
- Real-time monitoring with extensive alarm and reporting capabilities
- Secure Transfer of Control from station-to-station is ensured by a grant/deny request system
- Variable parameters for each circuit and device include on-delay, soft start, monitoring, and alarming
- Available integration of L-854/ARCAL and/or photo-cell
- Robust industrial PLC backbone
- Offers programmable preset buttons to automate common procedures

AirportLightingCompany
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Specifications

General Catalog Numbers

CMS - ☐ - A

Control Option
A = Control Only
B = Basic Monitoring

Failsafe Option
A = Preset

AirportLightingCompany
An ISO 9001:2015 Certified Company

Constant Current Regulator

Compliances (Current Editions)

FAA: AC 150/5345-10, ETL Certified

ICAO: NAVAIR 51-50AAA-2; UFC 3-535-02; Annex 14; Areodrome Design Manual Part 5

Intertek

Application

Our L-828 / L-829 Constant Current Regulator is used to provide power to airfield lighting systems. It offers a selectable AC constant current to change the airfield lighting intensity as needed based on weather conditions.

Key Features

- Ferroresonant design allows for high-efficiency, high-power factor sinusoidal constant current output
- Efficiency over 90%, power factor .99
- Stable output current is not affected by flashing loads from strobes or runway guardlights
- Intuitive, fully digital interface included on all models
- Powerful software allows CCR to be recalibrated in field, recall previous settings & calibration, change brightness steps, track warnings & faults, and more
- Digital output current reading and digital output voltage reading on all models
- High quality lightning arrestors used for output connections
- Transient protection on input power circuit ensures long CCR life and equipment protection
- Open circuit, over-current, and over-voltage protection on all models
- Safety interlock disconnects output power when cabinet door is opened
- Quiet operation
- Stackable

AirportLightingCompany
An ISO 9001:2015 Certified Company

Specifications

General Catalog Numbers

FR□□□-□□□□□-□□□

Type
828 = Ferroresonant L828
829 = Ferroresonant L829

Output Rating
1 = 1kW
2 = 2kW
4 = 4kW
5 = 5kW
7 = 7.5 kW
10 = 10kW
15 = 15kW
20 = 20kW
25 = 25kW
30 = 30kW
50 = 50kW*
70 = 70kW*

Class
A = 6.6 Amp
B = 20 Amp

Input Voltage
1 = 208 VAC, 60Hz
2 = 220 VAC, 60Hz
3 = 240 VAC, 60Hz
4 = 480 VAC, 60Hz
5 = 220 VAC, 50Hz*
6 = 230 VAC, 50Hz*
7 = 240 VAC, 50Hz*
8 = 380 VAC, 50Hz*
9 = 400 VAC, 50Hz*

Control Voltage
A = 24 VDC Internal
B = 24 VDC External
C = 48 VDC Internal
D = 48 VDC External
E = 120 VAC Internal
F = 120 VAC External

Brightness Steps
1 = Single Step - 5.5A (default), or other as specified
3 = 3-Step - 4.8A, 5.5A, 6.5A
5 = 5-Step - Class 1 is 2.8A, 3.4A, 4.1A, 5.2A, 6.6A Class 2 is 8.5A, 10.3A, 12.4A, 15.8A, 20A

CCR Options
0 = None
1 = S-1 Cutout installed
2 = Insulation Resistance Monitor (Automatic Megger)
3 = Input Power Monitoring (current, voltage, VA, power, power factor)
4 = Output Power Monitoring (voltage, VA, power, power factor)
5 = Integral Circuit Breaker

COMM Options
N = None
A = Dual Ethernet (ModTCP or Ethernet/IP
B = Dual Ethernet (ModTCP or Ethernet/IP) & Dual RS-485
C = Dual Ethernet w/PoE (ModTCP or Ethernet/IP)
D = Dual Ethernet w/PoE (ModTCP or Ethernet/IP) & Dual RS-485

Lift Kit
0 = None
1 = Castors
2 = Lift Kit

**Compliant to FAA Specification*

Additional Option Information

- Internal S-1 Cutout: An Airport Lighting Company S-1 Cutout is installed directly in the enclosure of the CCR. Once the CCR is turned off, the S-1 Cutout handle may be removed and taken with servicing personnel to ensure safe work conditions.
- IRMS: The IRMS (Insulation Resistance Monitoring System) can be configured to run manually or daily. With this option, the CCR will provide a digital resistance measurement to the user on the front display. The resistance reading can be tracked by site staff to gain insight to field-circuit integrity and to anticipate required maintenance.
- Integrated Circuit Breaker: A circuit breaker is included inside the CCR that is actuated with a door-mounted handle. The door-mounted handle is capable of accepting a lock for lock-out-tag-out safety measures.

AirportLightingCompany
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Airfield Lightning Arrestor

Compliances

Complies with AC 150/5345-10 Current Edition. Section 3.4.12 Lightning/Surge Arrestors

Application

The ALA can be deployed at various locations in the 5kV primary series circuit to help reduce the susceptibility of airfield circuits to lightning strikes or surges.

Key Features

- Compatible with all types of L-828/L-829 CCRs, incandescent and LED light fixtures and isolation transformers operating on 6.6A or 20A series circuits.
- Designed for operation at 5000V, the ALA is suitable for any airfield series circuit up to 30KW at 6.6A, and up to 70KW at 20A.
- Rated IP68 (NEMA 6P), suitable for installation in below ground base cans, handholes and manholes, or by direct burial.
- Connection to the primary circuit uses an L-823 male/female "T" connector(s) to ensure the primary circuit remains intact upon a failure of the ALA.
- A 3/8"-16 stainless steel stud provides solid ground connection for #6 AWG or larger ground wire.
- Compatible with Insulation Resistance Monitoring Systems (IRMS) and 500V to 5KV meggers.
- The ALA can be tested using a 5KV megger. Resistance from Line to Ground terminals should be greater than 2G ohm.

General Catalog Numbers	ALA-1

AirportLightingCompany
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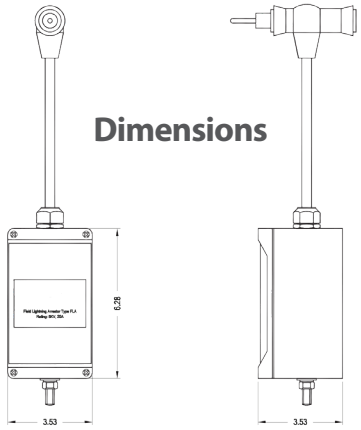
Specifications

Recommended Use

The ALA is designed to be installed in the 5KV primary series circuit. In order to offer the optimal circuit protection from possible lightning strikes or power surges it is suggested the ALA should be installed at the beginning of the circuit closest to the Constant Current Regulator (CCR). Additional ALA's should be added onto the circuit at intervals of 2,000 feet (600m). ALAs can be installed at closer intervals should the circuit be in an area that is highly susceptible to lightning strikes. Each ALA adds additional local protection against damage from lightning strikes reducing the risk of widespread damage in the field and to equipment in the electrical vault.

Dimensions



Connection

Specifications

Specifications

Nominal Voltage	6 KV
Continuous Operation Voltage	5.1 KV
Duty Cycle	10 kA crest (20 current surges) 40 kA crest (2 current surges) 8 / 20 us wave shape
High Current Discharge (Short Duration)	100 kA crest (2 current surges) 4 / 10 us wave shape
Low Current Discharge (Long Duration)	250A crest (20 current surges) 2000 us wave shape
Maximum Discharge Voltage	19.8KV Crest @ 10kA 24.7KV Crest @ 40kA 8 / 20 us wave shape
Protection Index	IP68 (NEMA 6P)
Operating Temperature	-40°C to +60°C
Weight	2 kg (4.4 lb)

AirportLightingCompany
An ISO 9001:2015 Certified Company

S1 Series Cutout

Compliances

Complies with AC 150-5340-30 (Current Edition)

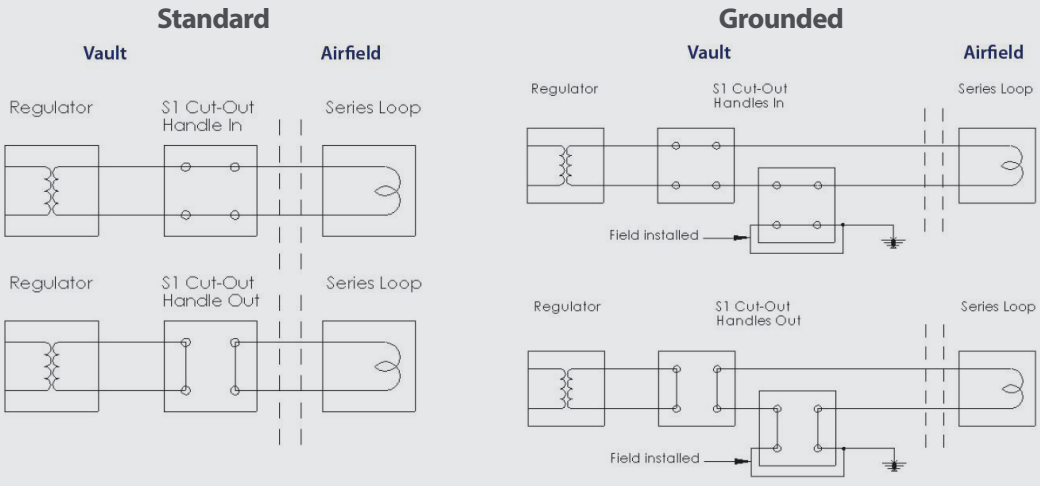
Application

Installed to isolate the series circuit from the constant current regulator for maintenance or testing easy two position "handle in" and "handle out" to quickly determine cutout status.

Key Features

- Isolates the series circuit from the constant current regulator
- Shorts regulator output for troubleshooting
- Suitable for 6.6 or 20 amp circuits
- Removable handle ensures series circuit is de-energized
- Handle is designed to fit inside a tool box to add a second level of security
- Housing fabricated from durable nonconductive materials

General Catalog Numbers | S1



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Isolation Transformers

Compliances (Current Editions)

FAA: AC 150/5345-47, ETL Certified

Application

L-830 / L-831 FAA Approved Series Isolation Transformers are used to isolate high operating voltage for constant current airfield lighting equipment in a series circuit. They are encapsulated and designed to operate efficiently while submerged in water.

Key Features

- Manufactured by ABB or Integro
- Injection molding ensures low current leakage
- Flat response load curves guarantee constant lamp brilliancy and long life
- Primary and Secondary leads are factory molded
- Isolates fixtures from the high voltage series circuit

General Catalog Numbers

34-□□□□□□-□

Rated Watts*
010 = 10/15W
020 = 20/25W
030 = 30/45W
065 = 65W
100 = 100W
150 = 150W
200 = 200W
300 = 300W
400 = 400W
500 = 500W

Primary
6 = 6.6 Amp
2 = 20 Amp

Secondary
6 = 6.6 Amp
2 = 20 Amp

Frequency
5 = 50 Hz
6 = 60 Hz

Option
G = Ground

** Part numbers based on nominal wattage*

AirportLightingCompany
An ISO 9001:2015 Certified Company

Heat Shrink

Application

Fast, reliable waterproof connections

Key Features

- Protects against water intrusion and accidental disconnection
- Provides added strain relief for the connector/cable assembly
- Heat indicating lines
- High impact and abrasion resistance
- Installs in minutes
- Adhesive at ends only allows easy removal for connector-kit maintenance (#81)
- Continuous operating temperature -55°C to110°C
- Shrink temperature: 120°C

Ordering Information

#80	16" Adhesive Throughout
#81	16" Adhesive at Ends Only

Dimensions

Expanded	
Internal diameter (min)	38.1 mm/1.5 in
Recovered	
Internal diameter (max)	9.53 mm/0.0375 in
Wall thickness (nom)	2.0 mm/0.08 in
Sleeve Length	40.6 cm/16 in

Technical Data

Property	Test Method	Typical Performance
Tensile strength	ASTM D412, ISO 37	2100 psi (14.5 MPa)
Elongation	ASTM D412, ISO 37	550%
Longitudinal Change	ASTM D2671	+1%, -10%
Specific Gravity	ASTM D792, ISO 37	1.1
Elongation after Heat Aging (168 hrs at150°C)	ASTM D2671, ISO 37	500%
Heat Shock (4 hrs at 225°C)	ASTM D2671	No cracking or flowing
Low Temperature Flexibility (4 hrs at -55°C)	ASTM D2671	No cracking
Hardness (Shore D)	ASTM D2240	50D
Electrical		
Dielectric Strength	ASTM D149	500 V/Mil (20kV/mm)
Dielectric Voltage Withstand (2500V, 60Hz, 1 min)	UL-486D	No Breakdown
Volume Resistivity	ASTM D257	1016ohm-cm
Chemical		
Fluid Resistance	MIL-DTL-23053/5, ISO 1817, ISO 37	Good to Excellent
Copper Corrosion	ASTM D2671	No Corrosion
Water Absorption	ASTM D570	0.1%
Fungus Resistance	ASTM G21	No Growth
Adhesive		
Adhesive Softening Point	ASTM E28	92°C+/-5°C
Adhesive Peel Strength (300mm/min at 23°C)	ASTM D1000	
to steel, alum, P.E.	ASTM D1000	35 pli
to PVC	ASTM D1000	20 pli
Adhesive Lap Shear (1in/min at 23°C)	ASTM D1002 (mod)	125 psi (0.875 MPa)
Adhesive Blocking (30°C)	ASTM D1146	No blocking
Water Penetration	STM 706	No penetration after 286 hrs. (min) of continuous immersion.

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An ISO 9001:2015 Certified Company

FAA L-823 Primary Connector Kits

Compliances

Certified to FAA AC 150/5345-26 (Current Edition)

Application

These kits provide secure connections in critical applications

Key Features

- Electrical rating - 25 Amps, 5000 Volts
- Constructed of rugged thermoplastic rubber for long-lasting, reliable service
- Every kit filled with silicone for maximum moisture protection
- Manufactured by ABB or Integro

How to Order

To specify the proper kit:

Using a letter from Table 1 (below) and then a number from Table 2, describe first the plug and then the receptacle.

Example: A Classic Primary Connector Kit designed for use with a cable diameter of .34" and #8 stranded wire would be 54-D4-D4.

Table 1

Cable Outside Diameter		
Minimum	Maximum	Size Code
.195"	.260"	B*
.250"	.330"	C
.320"	.430"	D
.370"	.507"	Z
.420"	.585"	E
.575"	.785"	F

*54 Classic Kit only includes adapter

Table 2

Wire Size (AWG) and Type		
Concentric Stranded	Solid	Size Code
10 - 12	8 - 10	6
8	6	4
6	4	3
4	-	2
2	-	1

AirportLightingCompany
An ISO 9001:2015 Certified Company

L-823 Secondary Cable Assemblies

Style 1

Style 6

Style 7

Style 8

Compliances

Certified to FAA AC 150/5345-26 (Current Edition)

Intertek

Application

Provides reliable connections in the harshest condition

Key Features

- Manufactured by ABB
- Constructed of rugged thermoplastic rubber for long-lasting, reliable service

General Catalog Numbers

95M-□-□-□.□

Available in 1/2 meter increments to any length.

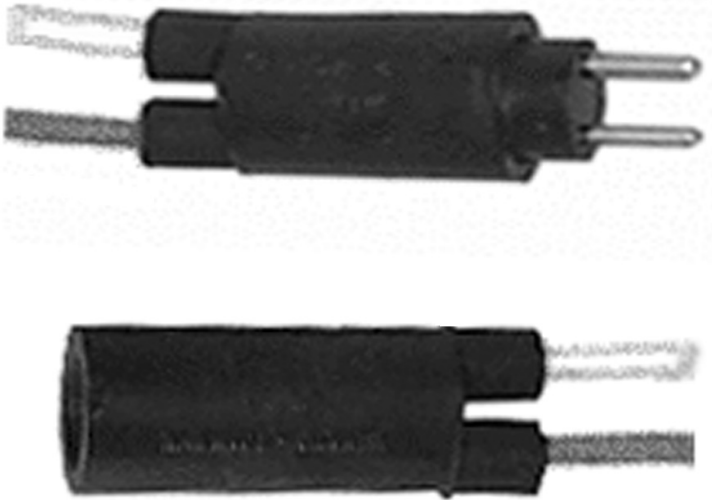
Connector(s)
P = Style 1 Plug
P6 = Style 6 Plug
R7 = Style 7 Receptacle
R8 = Style 8 Receptacle

For connectors on both ends use two codes, otherwise one.

Cable
F = Two individual #12 AWG (3,3mm²) thermoplastic insulated, waterproof wires, rated 600 volts between contacts, 1500 volts to earth, 20 amp, 90°C. O.D. 4,7mm (.185")
G = 2/12 AWG (3,3mm²) thermoplastic insulated waterproof cable with overall jacket, rated 600 volts between contacts, 1500 volts to earth, 20 amp, 90°C. O.D. 12,7mm (.5")
H = Two individual #16 AWG (1,3mm2) thermoplastic insulated, waterproof wires, rated 600 volts between contacts, 1500 volts to earth, 20 amp, 90°C. O.D. 3,2mm (.125")
I = 2/16 AWG (1,3mm²) thermoplastic insulated waterproof cable with overall jacket, rated 600 volts between contacts, 1500 volts to earth, 20 amp, 90°C. O.D. 9,4mm (.37")
K = Two individual #14 AWG (2,1mm²) Teflon insulated wires, rated 600 volts between contacts, 1500 volts to earth, 20 amp, 200°C, wires certified to UL1199 and CSA1A/B
L = As K above except #16 AWG (1,3mm²)

AirportLightingCompany
An ISO 9001:2015 Certified Company

L-823 Secondary Connector Kits



Compliances

Certified to FAA AC 150/5345-26 (Current Edition)

Intertek

Application

These kits provide secure connections in critical applications

Key Features

- Each kit comes with a molded male or female connector housing, as well as an instruction sheet and grease packet for installation
- Secondary Connector Kits are molded in synthetic rubber for superior dielectric strength, and to ensure watertight connection in the field
- Manufactured by ABB or Integro

How to Order

To specify the proper kit:

Use a prefix and letter from Table 1 (below) and then a number from Table 2.

Example: A plug designed to terminate (2) single conductors with diameters of .205" and #8 stranded wire would be 90P-A4.

Table 1

Cable Outside Diameter			
Minimum	Maximum	Prefix	Size Code
.120"	.160"	90P/R* (2 single conductors)	S
.155"	.205"		A
.195"	.260"		B
.250"	.330"		C
.320"	.430"	91P/R* (2 core cables)	D
.420"	.585"		E
.575"	.785"		F

*P = Plug, R = Receptacle

Table 2

Wire Size (AWG) and Type		
Concentric Stranded	Solid	Size Code
14 - 16	12 - 14	8
10 - 12	8 - 10	6
8	6	4

AirportLightingCompany
An ISO 9001:2015 Certified Company

L-823 Super Connector Kits

Compliances

Certified to FAA AC 150/5345-26 (Current Edition)

Intertek

Application

These kits provide secure connections in critical applications

Key Features

- Constructed of rugged thermoplastic rubber for long-lasting, reliable service
- Tighter, Longer water seal to cable
- Will never come off cable
- Second full water seal at the connector surface
- Increased separation force between connectors
- Manufactured by ABB

How to Order

To specify the proper kit:

Using a letter from Table 1 (below) and then a number from Table 2, describe first the plug and then the receptacle.

Example: A Super Connector Kit designed for use with a cable diameter of .34" and #8 stranded wire would be 54Super-D4-D4.

Table 1

Cable Outside Diameter		
Minimum	Maximum	Size Code
.195"	.260"	B
.250"	.330"	C
.320"	.430"	D
.370"	.507"	Z
.420"	.585"	E
.575"	.785"	F

Table 2

Wire Size (AWG) and Type		
Concentric Stranded	Solid	Size Code
10 - 12	8 - 10	6
8	6	4
6	4	3
4	-	2
2	-	1

AirportLightingCompany
An ISO 9001:2015 Certified Company

Radio Receiver

Compliances (Current Editions)

FAA: Type 1, Style A, AC 150/5345-49, ETL Certified

Intertek

Applications

Provides pilots with direct, unassisted air-to-ground control of airfield lighting systems

Key Features

- Manufactured by Rural Electric
- Configurable for sequential or cumulative control modes
- Configurable for various control output voltages
- Two independent control voltage inputs
- Optical isolation from controlled equipment for electronic protection
- Low power consumption
- Reduce need for interface box
- Selectable frequency range 118-137Mhz
- Built on proven synthesized receiver technology
- Excellent sensitivity: (10db S/N) 0.2uV
- Voltage ranges 50/60 Hz from 100 - 240 VAC
- Includes 25' antenna cable
- Type 1, Style A

General Catalog Numbers

RDL854-1A

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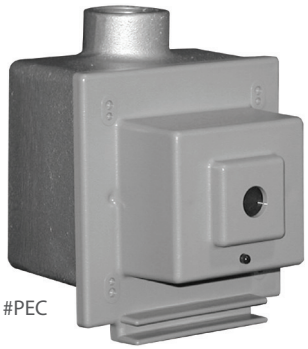
Photo Electric Control (PEC)



Part #PEC

Application

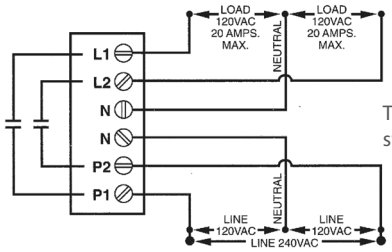
Automatic dusk to dawn operation of tower and obstruction lighting circuit

Key Features

- Meets FAA/FCC requirements
- Two 30 ampere load contacts
- Direct replacement of older and newer types
- Stable electronic circuitry
- No chatter due to built-in time delay
- Molded plastic control housing with gasket
- Cast aluminum junction box with one inch hubs, top and bottom
- LED power indication
- Surge protected

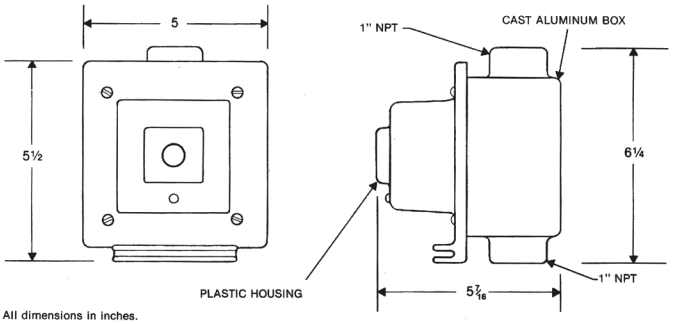
Specifications

Type	Light actuated electronic circuitry with high current electromechanical output contacts
Indication	LED power indicator
Operating Voltage	120 VAC ± 20% 50/60 Hz
Output Rating:	Two SPST N.O. 30 Amp contacts
Terminations	Screw terminals for up to #8 AWG wire
Mechanical	ABS plastic housing with gasket seal; Multiple knockout holes for optional mounting to aluminum boxes
Light Actuation Levels (Factory Calibrated)	Energized: 35fc and below De-energized: above 60fc



Three wire service switching both hot lines.

Mechanical



Note: All dimensions in inches.

Guidance Signs

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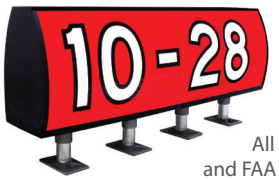
D-LUX™ Guidance Signs LED



All FAA Sizes, FAA Types
and FAA Styles are available in LED

Compliances (Current Editions)

FAA: AC 150/5345-44 and Engineering Brief No. 67

The Herculens is the most durable sign panel on the market today. It comes factory installed in AGM's patented Size 3 D-Lux brand rounded signs. More than 50% thicker than other panels, it is CNC-machined and expertly formed for a solid fit. The Herculens is unyielding to jet blast, even when used without internal bracing or other cabinet modifications.

Key Features

- Easily replace traditional L-858 signs
- Each module is mounted on an evenly spaced pair of legs
- Slip-flanges hold the legs secure with almost no gap in the assembly
- Environmental forces are shared by legs and cabinet, and not concentrated on hardware
- Each rounded face if made from expertly formed acrylic
- Size 1 & 2 signs available with optional Herculens panel (Herculens panels come factory installed on size 3 D-Lux signs)
- Legend panels are connected by translucent panel joints, which are welded together with adhesive and additionally reinforced with stainless steel hardware
- Every module features a top that is designed to easily guide the edge of the panels into place when it is replaced after re-lamping, and is fixed to the sign with 2 turn fasteners - no tools are required for re-lamping
- Base model brightness controls use technology that has been proven for years in the field

General Catalog Numbers

D-□□□□□F-□

Size
1 = Size 1
2 = Size 2
3 = Size 3
5 = Size 5

Style
2 = Style 2 (4.8A-6.6A)
3 = Style 3 (2.8A-6.6A)
4 = Style 4 (unlighted)
5 = Style 5 (5.5A)

Light Option
H=LED Board
N=Unlighted*

Modules
1 = 1 Module
2 = 2 Modules
3 = 3 Modules
4 = 4 Modules

Faces
S = Single Face
D = Double Face

Options
1 = On/Off Switch
S = LED Light Out Indicator
P = View Port
E = External Power Cord**

**FAA Compliant* ***Not ETL Certified*

Example: D33H3SF-1 is a size 3 L-858 D-Lux sign, in style 3 with an LED board light option, 3 modules, single face, with an on/off switch

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An ISO 9001:2015 Certified Company

Specifications

Transformer Requirements: LED Board

Size	Style	Modules	L-830 Transformer	VA Load	Power Factor
1	2	1.0	65W	39	.93
1	2	2.0	65W	44	.93
1	2	3.0	65W	49	.94
1	2	4.0	65W	54	.94
2	2	1.0	65W	41	.93
2	2	2.0	65W	49	.94
2	2	3.0	65W	56	.94
2	2	4.0	65W	65	.94
3	2	1.0	65W	44	.93
3	2	2.0	65W	54	.94
3	2	3.0	65W	65	.94
3	2	4.0	100W	77	.93
5	2	1.0	65W	44	.93
1	2	1.0	65W	39	.93
1	2	2.0	65W	44	.93
1	2	3.0	65W	49	.94
1	2	4.0	65W	54	.94
2	2	1.0	65W	41	.93
2	2	2.0	65W	49	.94
2	2	3.0	100W	57	.94
2	2	4.0	100W	69	.94
3	2	1.0	65W	44	.93
3	2	2.0	65W	54	.94
3	2	3.0	100W	69	.94
3	2	4.0	200W	77	.93
5	2	1.0	65W	44	.93
1	2	1.0	65W	39	.93
1	2	2.0	65W	44	.93
1	2	3.0	65W	49	.94
1	2	4.0	65W	54	.94
2	2	1.0	65W	41	.93
2	2	2.0	65W	49	.94
2	2	3.0	65W	56	.94
2	2	4.0	65W	65	.94
3	2	1.0	65W	44	.93
3	2	2.0	65W	54	.94
3	2	3.0	65W	65	.94
3	2	4.0	100W	77	.93
5	2	1.0	65W	44	.93

Replacement Parts (LED Light Option)

Part Number	Description
C7-LVCV2	Low voltage power control module
C7-LEDV2	LED modules
C7-DRVR	LED driver board
C7-BRG	Bridge rectifier

I-Lux Guidance Sign LED

All FAA Sizes, FAA Types
and FAA Styles are available in LED

Compliances (Current Editions)

FAA: AC 150/5345-44; Engineering Brief No. 67, ETL Certified

ICAO: Annex 14 Sixth Edition

Canada: TP312

Key Features

- The average LED life is 100,000 hours high intensity / 180,000 hours under typical operating conditions.
- Easily replace traditional L-858 signs
- Solidly & seamlessly integrate off-the-shelf parts and custom fabrication for strength & flexibility while minimizing operating costs
- Platform for cabinet machined from solid, heavy-gauge aluminum construction
- Free of gaps and joints that weaken modular signs and allow penetration of wind, rain, dirt and snow
- Inherently stronger than modular signs because it doesn't rely on the strength of hardware used to piece modular signs together
- I-Lux is as short as possible because it is made per FAA lettering specifications & not artificially lengthened over seams and gaps
- AGM's I-Lux is the only airfield sign available in half module sizing
- Quick and economical installation, with smaller excavation, less concrete, and fewer legs to bolt to the pad
- Smaller obstruction in the field than modular signs, presenting less inertial load on aircrafts should a collision occur
- Seamless panels display messages without distortion
- Highly impact resistant, up to 30 times more than other brands
- No tools required for re-lamping
- Base model brightness controls use technology that has been proven for years in the field

AirportLightingCompany
An ISO 9001:2015 Certified Company

Specifications

General Catalog Numbers

□□□□.□□F-□

Size
1 = Size 1
2 = Size 2
3 = Size 3
4 = Size 4
5 = Size 5

Style
2 = Style 2 (4.8A-6.6A)
3 = Style 3 (2.8A-6.6A)
4 = Style 4 (unlighted)
5 = Style 5 (5.5A)

Light Option
H=LED Board
N=Unlighted

Modules
10 = 1.0 Module
15 = 1.5 Modules
20 = 2.0 Modules
25 = 2.5 Modules
30 = 3.0 Modules
35 = 3.5 Modules
40 = 4.0 Modules

Faces
S = Single Face
D = Double Face

Options
1 = On/Off Switch
3 = Mode 3
(If blank: Mode 2)
S = LED Light Out Indicator
P = View Port
E = External Power Cord*

**Not ETL Certified*

Example: I32H30.0SF-1 is a size 3 L-858 I -Lux sign in style 2, with an LED light option, 3.0 modules, single face, mode 2 with an on/off switch

I-Lux Size 4 (LED Board Light Option)

Style	L-830 Transformer	VA Load	Power Factor
2	65W	49	.94
3	65W	44	.94
5	65W	44	.94

Replacement Parts (LED Light Option)

Part Number	Description
C7-LVCV2	Low voltage power control module
I7-LEDV2	LED board with o
C7-DRVR	LED driver module
C7-BRG	Bridge rectifier

Transformer Requirements: LED Board

Size	Style	Modules	L-830 Transformer	VA Load	Power Factor
1	2	1.0	65W	39	.93
1	2	1.5 & 2.0	65W	44	.93
1	2	2.5 & 3.0	65W	49	.94
1	2	3.5 & 4.0	65W	54	.94
2	2	1.0	65W	44	.93
2	2	1.5 & 2.0	65W	54	.94
2	2	2.5 & 3.0	65W	65	.94
2	2	3.5 & 4.0	100W	77	.93
3	2	1.0	65W	49	.94
3	2	1.5 & 2.0	65W	65	.94
3	2	2.5 & 3.0	100W	83	.93
3	2	3.5 & 4.0	100W	95	.93
5	2	1.0	65W	49	.94

continued on next page

Specifications

Transformer Requirements: LED Board

Size	Style	Modules	L-830 Transformer	VA Load	Power Factor
1	3	1.0	65W	39	.93
1	3	1.5 & 2.0	65W	44	.93
1	3	2.5 & 3.0	65W	49	.94
1	3	3.5 & 4.0	65W	54	.94
2	3	1.0	65W	44	.93
2	3	1.5 & 2.0	65W	54	.94
2	3	2.5 & 3.0	100W	69	.93
2	3	3.5 & 4.0	200W	77	.92
3	3	1.0	65W	49	.94
3	3	1.5 & 2.0	100W	69	.93
3	3	2.5 & 3.0	200W	83	.92
3	3	3.5 & 4.0	200W	95	.92
5	3	1.0	65W	49	.94
1	5	1.0	65W	32	.94
1	5	1.5 & 2.0	65W	34	.94
1	5	2.5 & 3.0	65W	41	.94
1	5	3.5 & 4.0	65W	50	.93
2	5	1.0	65W	34	.94
2	5	1.5 & 2.0	65W	50	.94
2	5	2.5 & 3.0	65W	58	.93
2	5	3.5 & 4.0	100W	69	.93
3	5	1.0	65W	41	.94
3	5	1.5 & 2.0	65W	58	.93
3	5	2.5 & 3.0	100W	73	.93
3	5	3.5 & 4.0	100W	88	.92
5	5	1.0	65W	41	.94

Apron Lighting

AirportLightingCompany
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High Mast & Area LED Floodlight

HOLOPHANE®
LEADER IN LIGHTING SOLUTIONS

Application

High Mast and Area LED Floodlight systems provide a needed LED solution for airports of all sizes looking to upgrade their illuminated apron, cargo and hard stand areas to improve airfield security, safety and operations sustainability

Key Features

- Rugged die cast aluminum alloy housing
- Easy Installation and Operation
- Weather-resistant Powder Coat to resist corrosion
- Marine grade stainless steel captive screws
- Enhances airfield productivity, safety and security
- Meets maximum total harmonic distortion (THD) of 20% and is ROHS compliant
- Prismatic borosilicate glass optics for optimal performance and durability
- 5-year limited warranty

Light Source

- LED module electronic driver expected life of 100,000 hours
- Extreme surge protection meets 20KV/10KA rating
- Chip board with color options of 3000K,4000K,5000K
- Zero uplight optics. Meets Dark Sky requirements

Power Source

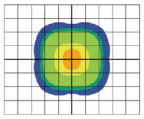
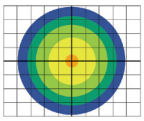
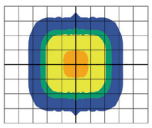
- Onboard device allows manual adjustment of the light output and input wattage to meet site specifications
- Control options include long-life DLL or DSNP7 controls
  from DTL or a hardened, embedded Nyx Hemera wireless network control system
- IP66 rated LED modules

Specifications

Area Lighting

The luminaire has an area narrow and area wide distribution to maximize pole spacing while meeting the required foot-candle level and uniformity for the application. Performance packages range up to 86,000 lumens designed to meet critical levels for "high task" areas in Ports, Rail Yards, Industrial, and Correctional facilities. The fully prismatic glass optics produce an overlapping light pattern resulting in high application efficacy providing excellent uniformity and glare control resulting in excellent visibility within the space.

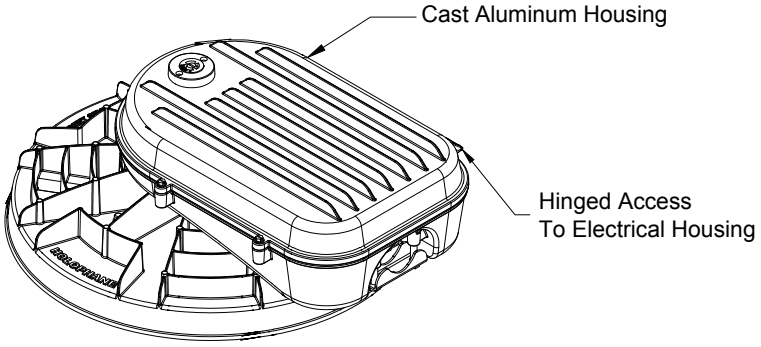
Design Flexibility

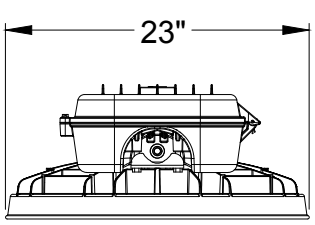
	AN	Area Narrow
	AW	Area Wide
	AWS	Area Wide Square

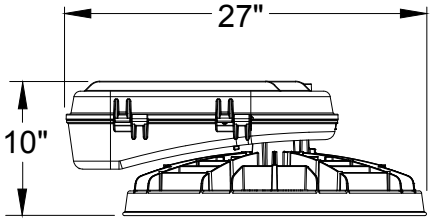
Energy Savings

Energy Savings	65%
Maintenance Savings	60%
Service Life	>20 Years
Payback	3-4 Years

Dimensional Data







Weight = 68 lbs. max (See Table on Page 6 for Details)
EPA of Fixture = 1.30 sq. ft.
EPA of Fixture with Shield = 3.11 sq. ft.

UL1598, 50°C, Wet location P1, P2, P3, P4, P5
UL1598, 40°C, Wet location P6
UL1598, 30°C, Wet location P7

Specifications

Ordering Information

Series	Performance Package	Color Temperature	Voltage	Housing Color
HMLED4	P1 31,000 Lumens P2 42,000 Lumens P3 63,000 Lumens P4 85,000 Lumens P5 105,000 Lumens P6 112,000 Lumens P7 120,000 Lumens	30K 3000K CCT 40K 4000K CCT 50K 5000K CCTs	MVOLT 120-277V HVOLT 347-480V XVOLT 277-480V with enhanced power quality protection	HAS As Specified HGR Gray HGH Graphite HBK Black HBZ Bronze HWH White

Optical		Options	
LN	Long and Narrow	AO	Field Adjustable Output
MAS	Medium, Asymmetric	SFD	Single Fuse Disconnect
MAW	Medium, Asymmetric Wide	DFD	Double Fuse Disconnect
NAS	Narrow, Asymmetric	PR3	3 Pin NEMA Receptacle
FTA	Forward Throw, Asymmetric	PR7	7 Pin NEMA Receptacle
AN	Area Narrow	PCLL	DTL DLL Photocontrol for 120-277V
AW	Area Wide	PCL3	DTL DLL Photocontrol for 347V
AWS	Area Wide Square	PCL4	DTL DLL Photocontrol for 480V
		SH	Shorting Cap
		ICMNYX	Integrated Nyx Hemera Control
		DALI	DALI driver option, consult factory

Example: HMLED4 P4 40K HVOLT HGR AW PR7

Accessories: Order as separate catalog number.

HMLEDF1FUS10R	Single Fuse Accessory
HMLEDF2FUS10R	Double Fuse Accessory
HMLED4D90 90	Degree Shield
HMLED4D120 120	Degree Shield
HMLED4D180 180	Degree Shield

Solar & Obstruction Lighting Products

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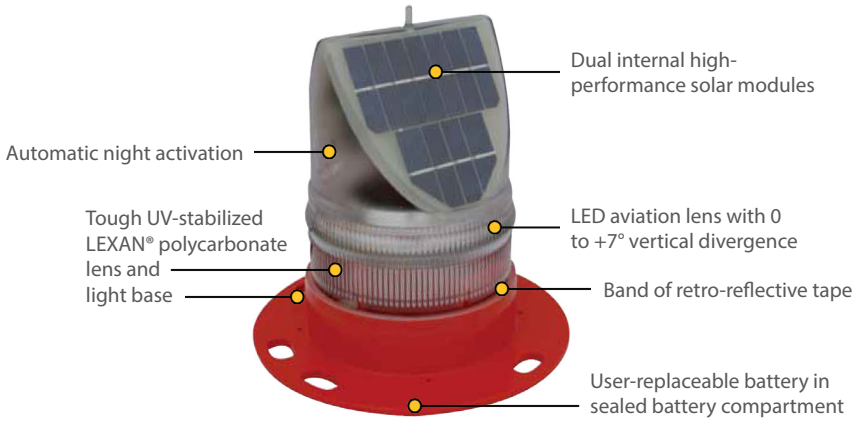
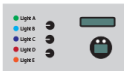
Solar Aviation Light AV-OL-70 & AV-OL-70-HI



Optional



Pilot Activated Lighting Control

Radio Control

Compliances

Certified to FAA AC150/5370-2F for construction and barricade installations; ICAO Annex 14 Volume 1, 'Aerodrome Design and Operations', Fourth edition July 2004, paragraph 5.3.17.7.

Intertek

Applications

Barricade, Caution, Taxiway, Threshold and Obstruction

Key Features

- Integrated solar/battery system
- Dual internal high-performance solar modules angled to maximize solar collection
- Fast & easy to deploy - no programming
- IP68 waterproof rating
- User-replaceable battery
- Ultra-high intensity LEDs - no globe changes ever

These completely self-contained LED lights have two high performance solar modules mounted within the lens, which maximize solar collection and provide reliable operation in a range of environmental conditions.

The AV-OL-70 is made from tough, durable UV stabilized LEXAN® polycarbonate, and incorporates an internal photodiode for automatic night activation once the ambient light threshold drops sufficiently.

Completely self-contained, able to be installed in minutes, and simple to maintain, the AV-OL-70 is the preferred choice of remote airfields throughout the world.

AV-OL-70-HI

The AV-70-HI is a high intensity version of the popular AV-OL-70 and is ideal for use in high sunlight areas that receive a minimum of 3.5 hours of sun per day.

Optional Radio Control

The AV-70-RF is a radio-controlled version of the popular AV-OL-70, which can be used in conjunction with a PALC or simple handheld controller. Users can wirelessly control ON/OFF functions, adjust light intensities or switch between visual and IR (tactical) operational modes.

The AV-SB-3 Solar Booster™ can be connected to the AV-OL-70 light to provide additional solar collection for charging the battery. The Avlite Solar Booster™ can be used in areas of reduced sunlight to help ensure optimum battery charge.

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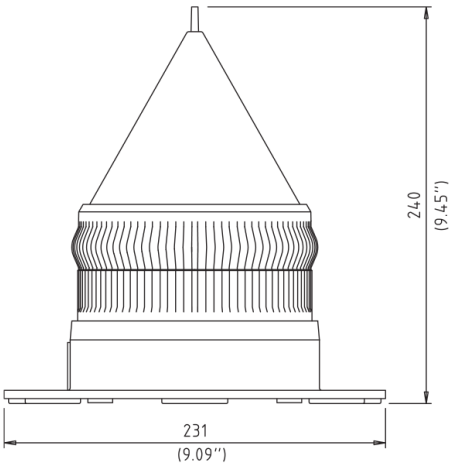
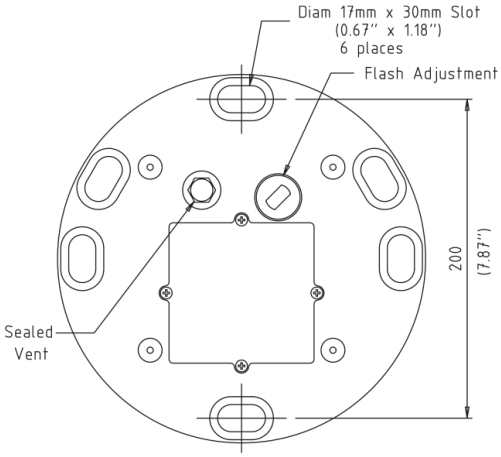
Specifications

	AV-OL-70	AC-OL-70-HI
Light Characteristics		
Light Source	1 LED	1 LED
Available Colors	Red as standard. Other colors available on request, including IR	Red as standard. Other colors available on request, including IR
Peak Intensity (cd)*	10	10
Horizontal Output	360°	360°
Available Flash Characteristics	>250 including steady-on (user-adjustable)	>250 including steady-on (user-adjustable)
Intensity Adjustments	Low: 25%; Medium: 50%; High: 100%	Low: 25%; Medium: 50%; High: 100%
LED Life Expectancy	>100,000 hours	>100,000 hours
Electrical Characteristics		
Operating Voltage	3.6V	3.6V
Power	@ 100% intensity: 0.2W	@ 100% intensity: 0.2W
Temperature Range	~40 to 80°C	~40 to 80°C
Solar Characteristics		
Solar Module Type	Multicrystalline	Multicrystalline
Output	2.5 (2 x 1.25W)	2.5 (2 x 1.25W)
Charing Regulation	Microprocessor controlled	Microprocessor controlled
Power Supply		
Battery Type	High grade NiMH - Environmentally friendly	High grade NiMH - Environmentally friendly
Battery Capacity	8Ah	16Ah
Nominal Voltage	3.6V	3.6V
Autonomy	Steady-on: 12 nights	Steady-on: 16Ah = 24 nights





CE

Specification subject to change or variation without notice.
Subject to standard terms and conditions.

* Intensity setting subject to solar availability

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Specifications

	AV-OL-70	AC-OL-70-HI
Physical Characteristics		
Body Material	LEXAN® Polycarbonate - UV stabilized	LEXAN® Polycarbonate - UV stabilized
Lens Material	LEXAN® Polycarbonate - UV stabilized	LEXAN® Polycarbonate - UV stabilized
Lens Diameter	140 mm / 5 ½ in.	140 mm / 5 ½ in.
Lens Design	External optics with interior flute design	External optics with interior flute design
Mounting	6 x 17 mm holes on 200 mm PCD	6 x 17 mm holes on 200 mm PCD
Height	240 mm / 9 ½ in	240 mm / 9 ½ in
Width	231 mm / 9 ⅛ in	231 mm / 9 ⅛ in
Mass	1.1 kg / 2 ⅜ lbs	1.1 kg / 2 ⅜ lbs
Product Life Expectancy	12 years plus	12 years plus
Environmental Factors		
Humidity	0 to 100%, MIL-STD-810F	0 to 100%, MIL-STD-810F
Icing	3.41 kg per square cm / 48.5 lbs per square inch	3.41 kg per square cm / 48.5 lbs per square inch
Wind Speed	Up to 160 kph / 100 mph	Up to 160 kph / 100 mph
Shock	MIL-STD-202G, Test Condition G, Method 213B	MIL-STD-202G, Test Condition G, Method 213B
Vibration	MIL-STD-202G, Test Condition B, Method 204	MIL-STD-202G, Test Condition B, Method 204
Certifications		
CE	EN61000-6-3:2007 EN6100-6-1:2007	EN61000-6-3:2007 EN6100-6-1:2007
Quality Assurance	ISO9001:2008	ISO9001:2008
Waterproof	IP68	IP68
Intellectual Property		
Patents	US Pat. No. 6,667,582. AU Pat. No. 778,918	US Pat. No. 6,667,582. AU Pat. No. 778,918
Trademarks	AVLITE® is a registered trademark of Avlite Systems	AVLITE® is a registered trademark of Avlite Systems
Warranty	3-year warranty	3-year warranty
Options Available	IR LEDs	IR LEDs
	External ON/OFF Switch	External ON/OFF Switch
	External Battery Charging Port	External Battery Charging Port
	Solar Booster™	Solar Booster™

Specification subject to change or variation without notice.

AirportLightingCompany
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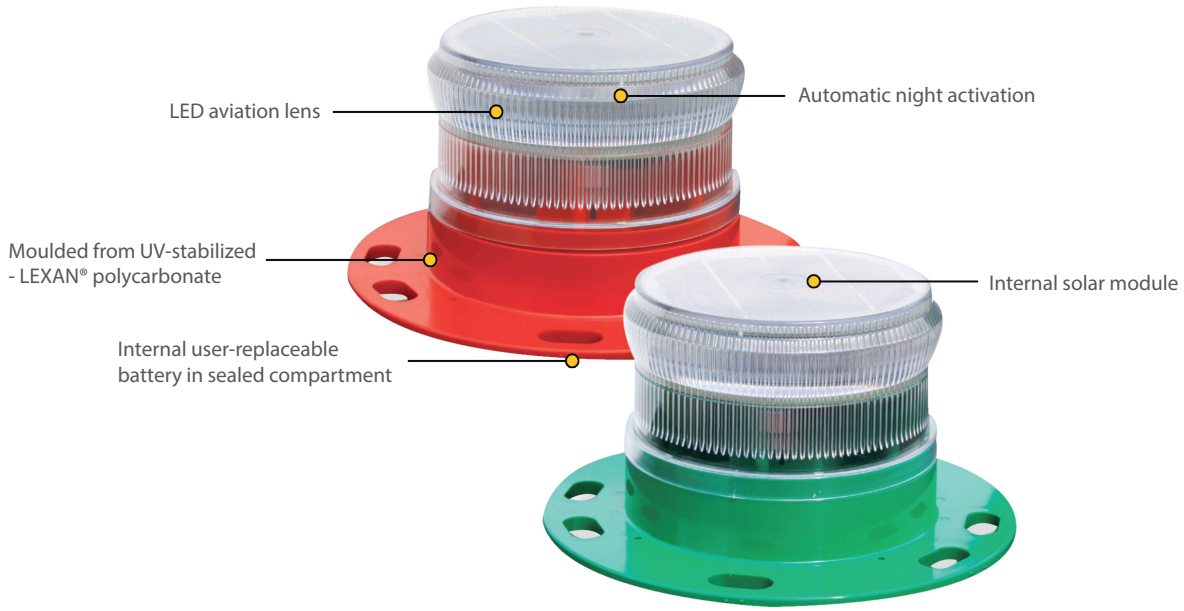
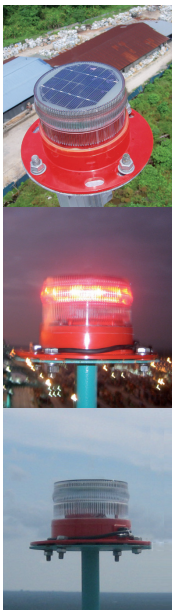
AV-60 Solar Aviation Light





Compliances

Certified to FAA AC150/5370-2F for construction and barricade installations; ICAO Annex 14 Volume 1, 'Aerodrome Design and Operations', Fourth edition July 2004, paragraph 5.3.17.7.

Intertek

Applications

Barricade, Caution, Taxiway (ICAO), Hazard and Obstruction

Key Features

- Provides up to 5.7km visible range (flashing), and up to 3.7km visible range (steady-on) color dependent
- Integrated solar/battery system
- IP68 waterproof rating
- User-replaceable battery
- Ultra-high intensity LEDs - never change globes

The AV-60 solar LED light provides up to 5.7km visible range (flashing). The positive divergence and wide angle lens makes it suitable for a variety of applications.

Designed to be maintenance-free and have a service life of up to 12 years, the popular AV-60 model features user-adjustable intensity settings and can be set onsite to either steady-on or flashing operation. The light is simply switched 'ON', and the unit is ready for immediate operation. Once installed, the AV-60 requires no operator intervention.

The internal solar module charges the battery during daylight hours, and at dusk the light will automatically begin operation once the ambient light threshold drops sufficiently. The battery is housed in a sealed compartment allowing it to be changed after years of service.

Coupled with the latest LED technology, and a highly efficient DC/DC converter, the light may provide over 40 days of continuous operation without sunlight. The AV-60 comes with a large 200mm bolt pattern.

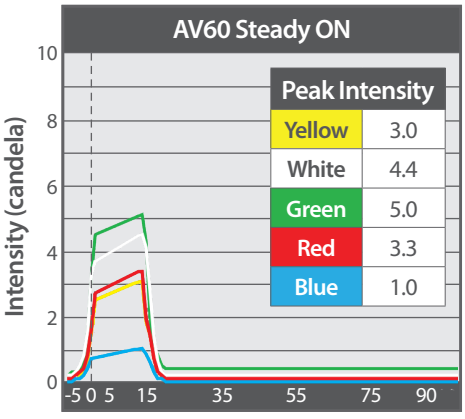
Optional ON/OFF Switch

The AV-60 is also available with an optional external ON/OFF switch; this means, when in position, the light can be turned on with the flick of a switch.

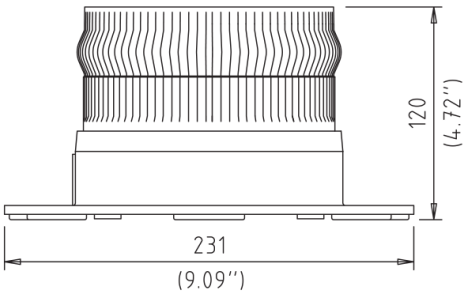
Specifications

	AV-60
Light Characteristics	
Light Source	6 ultra-high intensity LEDs
Available Colors	Red, Green, White, Yellow, Amber, Blue, Sectored Combinations
Peak Intensity (cd)*	Steady-on: Blue - 1.0; Red - 3.3; Green - 5.0; White - 4.4; Yellow - 3.0 Flashing: Blue - 3.3; Red - 7.3; Green - 16.1; White - 14.3; Yellow - 6.9
Horizontal Output	360°
Vertical Divergence	15°
Reflector Type	Omnidirectional 360° LED Reflector (US Pat. No. 6,667,582. AU Pat. No. 778,918)
Available Flash Characteristics	>250 including steady-on (user-adjustable)
Intensity Adjustments	Adjustable in 25% increments
LED Life Expectancy	>100,000 hours
Electrical Characteristics	
Operating Voltage	3.6V
Temperature Range	~40 to 80°C
Solar Characteristics	
Solar Module Type	Multicrystalline
Output	1.4W
Solar Module Efficiency	14%
Charing Regulation	Microprocessor controlled

Photometric Output



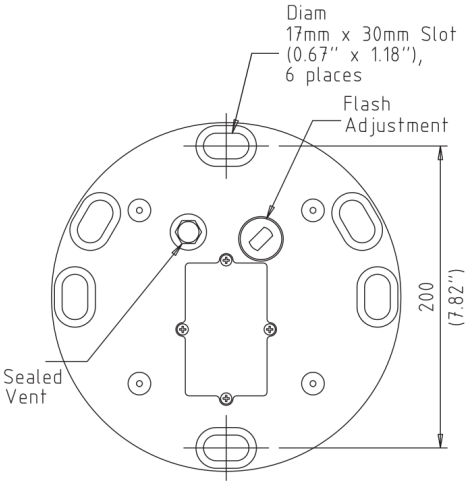
Steady ON, low intensity, wide angle lens



CE

Specification subject to change or variation without notice.
Subject to standard terms and conditions.

* Intensity setting subject to solar availability



Specifications

	AV-60
Power Supply	
Battery Type	High grade NiMH - Environmentally friendly
Battery Capacity	8Ah
Nominal Voltage	3.6V
Autonomy	Steady-on: >20 nights Flashing: >40 nights (14 hour darkness, 12.5% duty cycle)
Physical Characteristics	
Body Material	LEXAN® Polycarbonate - UV stabilized
Lens Material	LEXAN® Polycarbonate - UV stabilized
Lens Diameter	140 mm / 5 ½ in.
Lens Design	External optics with interior flute design
Mounting	6 x 17 mm holes on 200 mm PCD
Height	120 mm / 4 ¾ in
Width	231 mm / 9 ⅛ in
Mass	1.1 kg / 2 ⅜ lbs
Product Life Expectancy	Up to 12 years
Environmental Factors	
Humidity	0 to 100%, MIL-STD-810F
Icing	22 kg per square inch
Wind Speed	Up to 160 kph / 100 mph
Shock	MIL-STD-202G, Test Condition G, Method 213B
Vibration	MIL-STD-202G, Test Condition B, Method 204
Certifications	
CE	EN61000-6-3:1997; EN6100-6-1:1997
Quality Assurance	ISO9001:2008
Waterproof	IP68
Intellectual Property	
Patents	US Pat. No. 6,667,582. AU Pat. No. 778,918
Trademarks	AVLITE® is a registered trademark of Avlite Systems
Warranty	3-year warranty
Options Available	IR LEDs
	External ON/OFF Switch

Specification subject to change or variation without notice.

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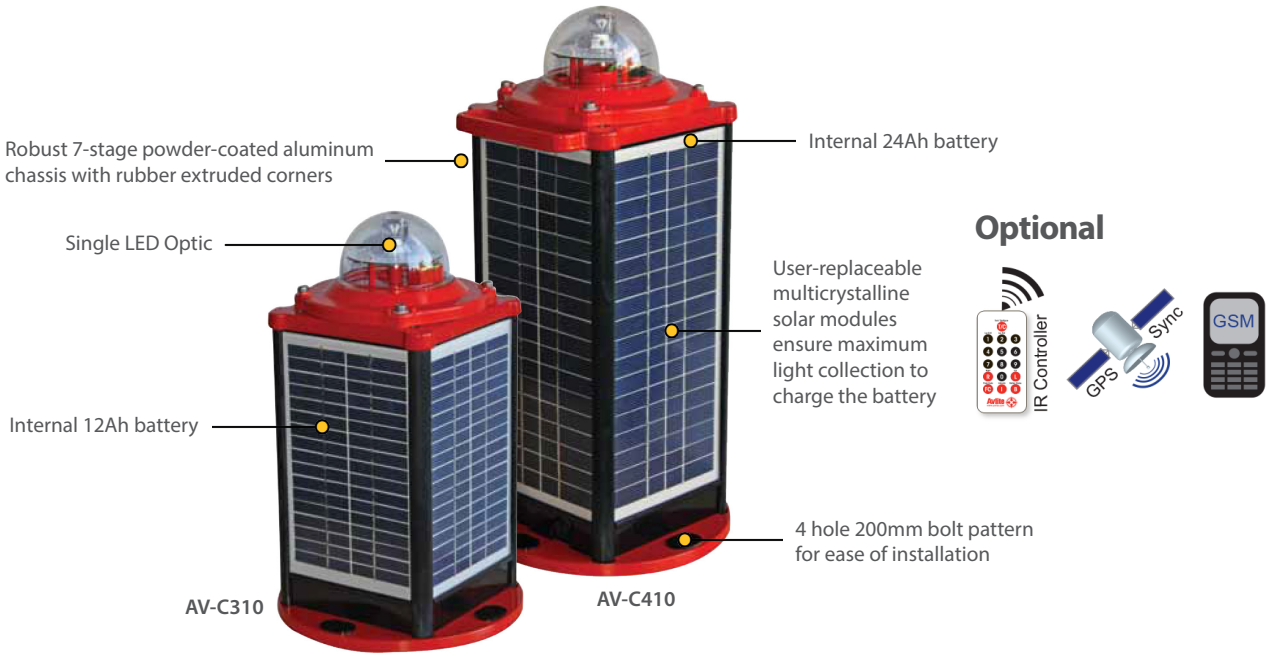
AV-C310 (Type A) & AV-C410 (Type A & B) Solar ICAO Low Intensity Obstruction Lights



Compliances

Low Intensity Type A & B Obstruction Light, ICAO Annex 14, Volume 1, Sixth Edition, July 2013, 'Aerodrome Design and Operations'

Intertek

Applications

The AV-C310-ILA and AV-C410-ILAB are robust, solar powered ICAO Type A & B Low Intensity Obstruction Lights and are suitable for aerial obstructions up to 45mtrs in height.

Key Features

- Integrated solar/battery system
- User-replaceable solar modules
- IP68 waterproof rating
- Available in two power supply sizes to suit various locations
- Optional GSM Monitoring (AV-C410 model)

The AV-SB-3 Solar Booster™ can be connected to the AV-C410 light to provide additional solar collection for charging the battery. The Avlite Solar Booster™ can be used in areas of reduced sunlight to help ensure optimum battery charge or where longer lighting cycle is required.

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Specifications

The AV-C310 has four 3 watt premium-grade solar modules that collect sunlight at all angles. Four larger 5 watt panels are used in lower sunlight to maximize solar collection or to support an ICAO LIOL Type B (32cd) light head.

The solar array charges the battery during daylight hours, and at dusk the light will automatically begin operation.

Designed for the harshest of environments, the AV-C310 features a 7-stage, powder-coated aluminum top, base and internal chassis in high visibility colors.

The tough polycarbonate aviation lens is specifically designed for use with LEDs to maximize light intensity and uniformity. The light head is interchangeable between units, and can be replaced onsite by the operator if required.

The unit can be supplied in varying color outputs to suit other applications including runway edge lighting.

Optional External Switch & External Charging Port

These models can be fitted with an optional, external ON/OFF switch. The light can also be fitted with an optional external charging port for charging the battery while it is stored for extended periods.

Optional GPS Synchronization

Avlite has utilized the latest advancements in GPS technology to develop an internal synchronization system that can be incorporated into the lights. Using overhead satellites, multiple obstruction lights set to the same flash pattern will flash in unison.

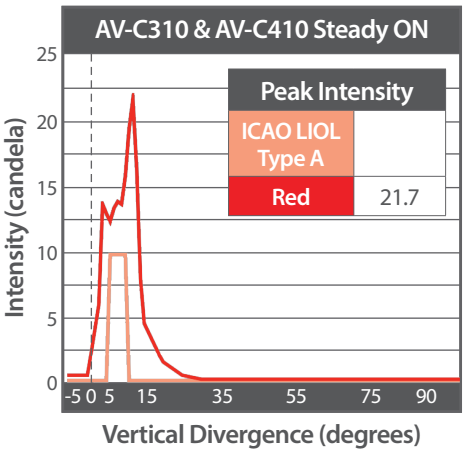
Optional IR Remote Control

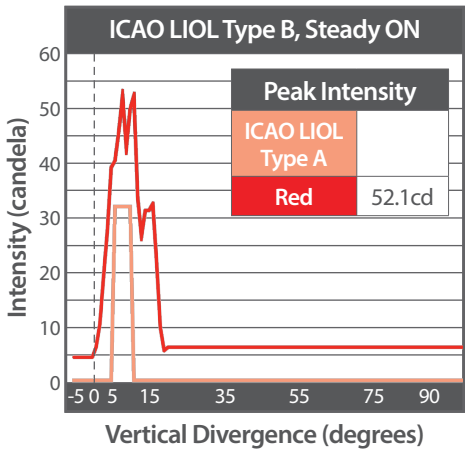
The remote control is used to control functions such as flash code and light intensity.

Optional GSM Cell-Phone Monitoring

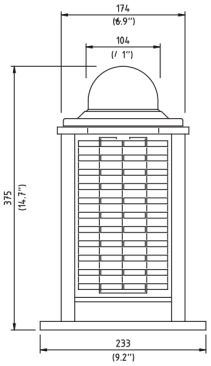
This feature enables operators to remotely monitor the status of their aviation installations. The system can also be configured to send out alarms and reports as SMS text messages and/or emails.

Photometric Output

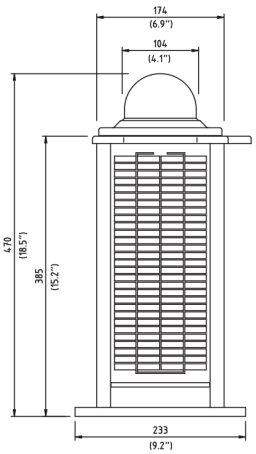




AV-C310

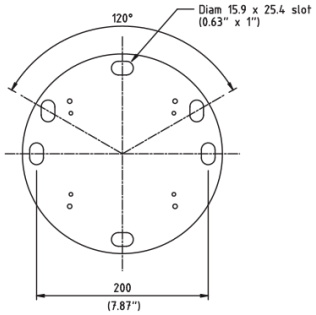


AV-C410



The AV-SB-3 Solar Booster™ can be connected to the AV-C410 light to provide additional solar collection for charging the battery. The Avlite Solar Booster™ can be used in areas of reduced sunlight to help ensure optimum battery charge or where longer lighting cycle is required.

AV-C310 & AV-C410 Mounting



Specifications

	AV-C310	AV-C410
Light Characteristics		
Light Source	As tested AV-OL-ILA-12-R LED	As tested AV-OL-ILA-12-R LED
Available Colors	Red as standard. Other colors available on request, including IR	Red as standard. Other colors available on request, including IR
Peak Intensity (cd)*	Complies with ICAO LIOLA	Complies with ICAO LIOLA
Horizontal Output	360°	360°
Vertical Divergence	+4° to +13°	+4° to +13°
Reflector Type	Single LED Optic	Single LED Optic
Available Flash Characteristics	>250 including steady-on (user-adjustable)	>250 including steady-on (user-adjustable)
Intensity Adjustments	Adjustable in 25% increments	Adjustable in 25% increments
LED Life Expectancy	>100,000 hours	>100,000 hours
Electrical Characteristics		
Current Draw (mA)	Steady-on: 39	Steady-on: 39 (Type A), 100 (Type B)
Circuit Protection	Integrated	Integrated
Operating Voltage	12V	12V
Temperature Range	~40 to 80°C	~40 to 80°C
Solar Characteristics		
Solar Module Type	Multicrystalline	Multicrystalline
Output	12 (4 x 3W)	20 (4 x 5W)
Solar Module Efficiency	14%	14%
Charging Regulation	Microprocessor controlled	Microprocessor controlled
Power Supply		
Battery Type	SLA (Sealed Lead Acid)	SLA (Sealed Lead Acid)
Battery Capacity	12Ah	24Ah
Nominal Voltage	12V	12V
Typical Autonomy	Steady-on: >20 nights (Type A)	Steady-on: >40 nights (Type A)
Approximate daily isolation to maintain full autonomy	2.2 kWh/m^2	0.7 kWh/m^2 (with Solar Booster™)

CE

Specification subject to change or variation without notice.
Subject to standard terms and conditions.

* Intensity setting subject to solar availability

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Specifications

	AV-OL-70	AC-OL-70-HI
Physical Characteristics		
Body Material	7-stage powder-coated aluminum	7-stage powder-coated aluminum
Lens Material	LEXAN® Polycarbonate - UV stabilized	LEXAN® Polycarbonate - UV stabilized
Lens Diameter	107 mm / 4 ¼ in.	107 mm / 4 ¼ in.
Lens Design	Single LED Optic	Single LED Optic
Mounting	4 x 17 mm holes on 200 mm PCD	4 x 17 mm holes on 200 mm PCD
Height	375 mm / 14 ¾ in	470 mm / 18 ½ in
Width	233 mm / 9 ¼ in	233 mm / 9 ¼ in
Mass	9.1 kg / 20 lbs	13.9 kg / 30 ½ lbs
Product Life Expectancy	Up to 12 years	Up to 12 years
Environmental Factors		
Humidity	0 to 100%, MIL-STD-810F	0 to 100%, MIL-STD-810F
Icing	22 kg per square inch	22 kg per square inch
Wind Speed	Up to 160 kph / 100 mph	Up to 160 kph / 100 mph
Shock	MIL-STD-202G, Test Condition G, Method 213B	MIL-STD-202G, Test Condition G, Method 213B
Vibration	MIL-STD-202G, Test Condition B, Method 204	MIL-STD-202G, Test Condition B, Method 204
Certifications		
CE	EN61000-6-3:1997; EN6100-6-1:1997	EN61000-6-3:1997; EN6100-6-1:1997
Quality Assurance	ISO9001:2008	ISO9001:2008
ICAO	Low Intensity Obstruction Light Type A	Low Intensity Obstruction Light Type A
Waterproof	IP68	IP68
Intellectual Property		
Trademarks	AVLITE® is a registered trademark of Avlite Systems	AVLITE® is a registered trademark of Avlite Systems
Warranty	3-year warranty	3-year warranty
Options Available	IR Controller	IR Controller
	GPS Synchronization	GSM Cell-Phone Monitoring
	IR LED	GPS Synchronization
	External ON/OFF Switch	IR LED
	External Battery Charging Port	External ON/OFF Switch
		External Battery Charging Port
		Solar Booster™

Specification subject to change or variation without notice.

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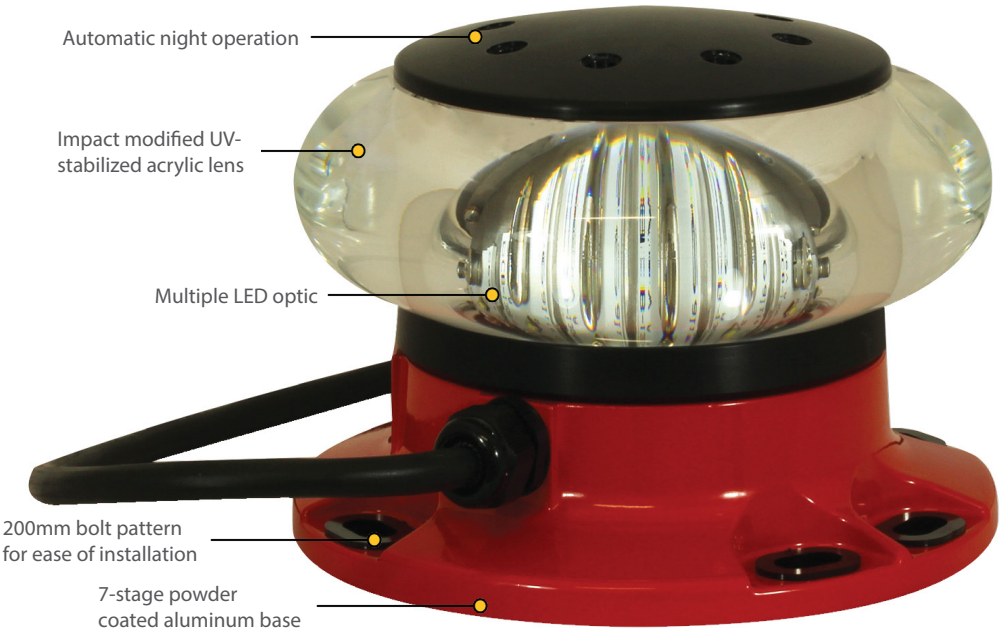
FAA L-864 Medium Intensity Obstruction Light



Standard

Optional

Compliances

Certified to FAA L-864 Medium Intensity Obstruction Light; FAA AC 150/5345-43G; and FAA EB67D (Current Edition)

Intertek

Application

This medium intensity LED light is used to mark obstacles such as telecommunication and utility towers, wind turbines, cranes, buildings and other tall structures.

Key Features

- Available in universal DC: accepts 12-48VDC
- Available in universal AC: accepts 110-240VAC
- Alarm contact for remote monitoring
- Light sensor for day/night operation
- LED technology reduces maintenance
- Provision for external hardwire synchronization
- Optional solar powered configurations are available
- Optional onboard GPS receiver for synchronization
- Optional GSM monitoring
- Optional general purpose I/O with galvanic isolation
- Optional RS422/485 communications port for monitoring

FAA Monitoring Requirement

The FAA states that 'conspicuity is achieved only when all recommended lights are working' and 'any outage should be corrected as soon as possible.' The operational status of all lights should be confirmed at least once every 24 hours. If a structure is not easily inspected by visual observation, an automatic monitoring system should be used.

Avlite has a selection of automatic monitoring systems available for use with their obstruction light range to comply with FAA requirements.

Specifications

This Avlite medium intensity LED light is used to mark obstacles such as telecommunication and utility towers, wind turbines, cranes, buildings and other tall structures.

Avlite's LED obstruction lights offer an ultra bright, energy efficient and cost effective lighting solution. The light is available in two configurations, universal DC (12-48VDC) or universal AC (110-240VAC).

The advanced light optic uses a multiple, high intensity LEDs for efficient operation. The corrosion resistant, acrylic lens is specifically designed for use with LEDs to maximize light intensity and uniformity.

The light incorporates internal diagnostic checking and an alarm contact for remote monitoring. The alarm relay is energized in normal operation and is released if there is an LED or power fault.

Optional RS422/RS485 Monitoring

The Avlite L-864 obstruction light is available with RS422/485 monitoring functionality, enabling operators to monitor the status of the unit in real-time. The system tracks critical application specific parameters including alarm status, LED status, operation mode, intensity, flash code and source voltage.

Optional GPS Synchronization

Avlite has utilized the latest advancements in GPS technology to develop an internal synchronization system that can be incorporated into the lights. Using overhead satellites, multiple obstruction lights set to the same flash pattern will flash in unison.

Optional GSM Monitoring & Control

The light is available with GSM Cell-Phone Monitoring, enabling operators to remotely monitor the status of their installation. The system can also send out SMS text messages or e-mail alerts should alarm conditions be triggered, such as low voltage or light failure.

IR Remote Control

The IR remote is used to control functions such as operation mode (dusk-till-dawn or always-on) and the lux levels (lux settings for dusk and dawn).

General Catalog Numbers

FAA L-864 Compliant MIOL

AV-OL-FL864-[ ]-[ ]-[ ]-[ ]

Model
12 = 12-48 VDC
UM = 110-240 VAC

Color
R = Red

Monitoring & Control
GSM = GSM Monitoring
GPS = GPS Synchronization
[blank] = No Monitoring and Control

RS Communications Port
RS = RS communications port
[blank] = No RS communications port

Note: Please contact your Avlite representative for optional power supply solutions

Solar Power Supply

AV-PS-110-140-01

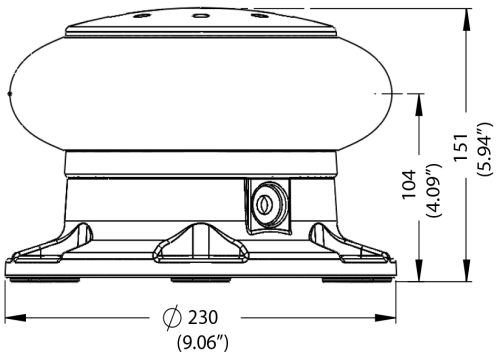
Battery Capacity
110 = 110Ah

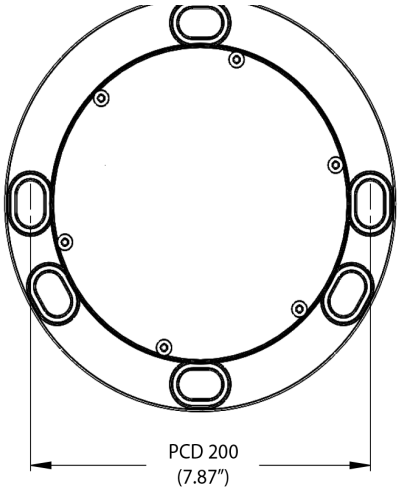
Solar Output
140 = 140 watts

Mount Type
01 = post mount

Specifications

	12-48 VDC	110-240 VAC
Light Characteristics		
Available Colors	Red as standard. Other colors available on request	Red as standard. Other colors available on request
Effective Intensity (cd)*	2000cd ± 25%	2000cd ± 25%
Horizontal Output	360°	360°
Vertical Divergence	3°	3°
Available Flash Characteristics	0.5s ON, 2.5s OFF - 16.6% duty cycle	0.5s ON, 2.5s OFF - 16.6% duty cycle
Electrical Characteristics		
Operating Voltage	12 - 48 VDC	110 - 240 VAC 50/60Hz
Power (Average Flashing)	6W	Pmax: 6W; Smax: 8VA
Power (Peak)	36W	Pmax: 36W; Smax: 48VA
Circuit Protection	Integrated	Integrated
Temperature Range	-40 to 80°C	-40 to 80°C
Physical Characteristics		
Body Material	7-stage powder-coated aluminum	7-stage powder-coated aluminum
Lens Material	Impact modified UV stabilized acrylic	Impact modified UV stabilized acrylic
Lens Diameter	171 mm / 6 ¾ in.	171 mm / 6 ¾ in.
Lens Design	Multi LED Optic	Multi LED Optic
Mounting	200 mm bolt pattern	200 mm bolt pattern
Height	151 mm / 6 in	151 mm / 6 in
Width	230 mm / 9 in	230 mm / 9 in
Mass	5.5 kg / 12 ¼ lbs	5.8 kg / 12 ¾ lbs
Product Life Expectancy	Up to 12 years	Up to 12 years





CE

Specification subject to change or variation without notice.
Subject to standard terms and conditions.

* Intensity setting subject to solar availability
** When used in redundant failsafe mode

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Specifications

	12-48 VDC	110-240 VAC
Environmental Factors		
Humidity	0 to 100%, MIL-STD-810F	0 to 100%, MIL-STD-810F
Icing	22 kg per square inch	22 kg per square inch
Wind Speed	Up to 240 kph	Up to 240 kph
Certifications		
CE	EN61000-6-3:1997 EN6100-6-1:1997	EN61000-6-3:1997 EN6100-6-1:1997
Quality Assurance	ISO9001:2008	ISO9001:2008
Waterproof	IP67	IP67
Intellectual Property		
Trademarks	AVLITE® is a registered trademark of Avlite Systems	AVLITE® is a registered trademark of Avlite Systems
Warranty	4-year warranty	4-year warranty
Options Available	Variety of solar/battery configurations	GSM Cell-Phone Monitoring
	GSM Cell-Phone Monitoring	GPS Synchronization
	GPS Synchronization	RS422/485 communications port
	RS422/485 communications port	

Specification subject to change or variation without notice.

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Avlite Mounting Solutions

The Avlite frangible stakemount set includes; light mounting plate, frangible sleeve, ground stake and 316-grade stainless steel hardware. All components (excluding hardware) are made from heavy duty aluminum and are subject to 7-stage powder-coating in high-visibility yellow.

The Avlite frangible (breakaway) coupling has been independently tested to comply with FAA Advisory Circular No 150/5345-46B 'Specification for runway and taxiway fixtures'.

Avlite Systems can supply a number of airfield fittings and accessories to compliment their range of aviation products including; light base mounting plates, frangible (breakaway) couplings, ground mounting stakes and various hardware.

Applications

Frangible Stakemount Set; Frangible Plate Coupling; Mounting Stake; Top Mounting Plates

Key Features

- 7-stage powder-coated, heavy duty aluminum components
- High-visibility yellow
- 316-grade stainless steel hardware
- Individual replacement parts available
- Safe, cost effective installation solution

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Obstruction Light LED

Compliances (Current Editions)

FAA: FAA AC 150/5345-43, EB-67D
Certified FCC 47 CFR, Part 15:2020, §15.107 and §15.109, Class A
ICAO: Annex 14, Low Intensity Obstacle Light, Type B
DGAC of Mexico
MIL-C-7989

Applications

Our Night Vision Compatible, omni-directional, red, steady-burning, LED obstruction light is designed for marking tall structures such as buildings, towers, masts, cranes, meteorological towers, chimneys and other hazards to aircraft. This energy-saving LED light is a direct replacement for incandescent fixtures, providing years of reliable and maintenance-free operation. Available in single, double, and retrofit configurations; optional solar drive package.

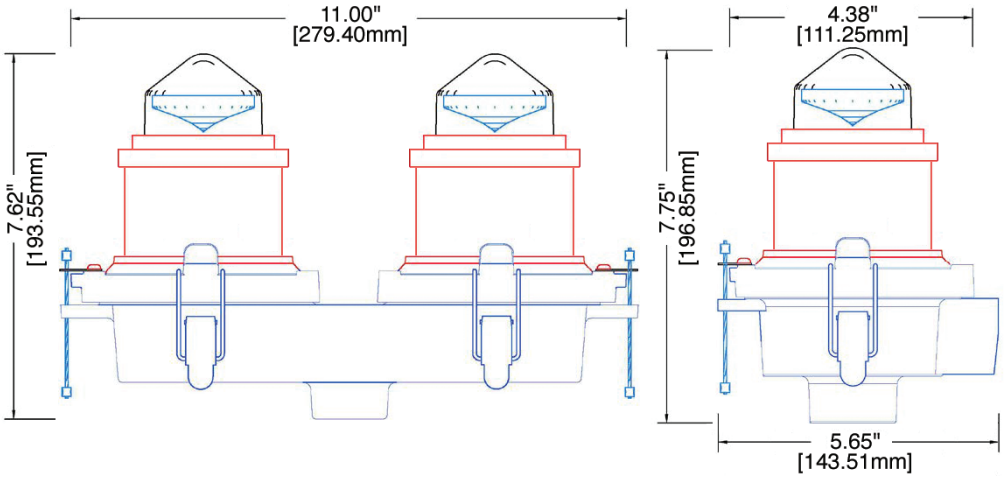
Key Features

- Manufactured by Flight Light
- Direct replacement for existing incandescent light
- Lasts up to 10 times longer than an incandescent light
- Uses 96% less power than an incandescent light
- Night Vision Goggle & NVIS Compatible
- No regular maintenance
- Available in single and dual configurations with bottom or side conduit outlets
- Can be operated in steady-burning or flashing mode (controller not supplied)
- Photocell option for automatic activation at night
- Self-contained wiring compartment eliminates additional boxes
- Weather/corrosion resistant
- IP67 Ingress Protection rating for dust and water
- Lens made from durable, UV-stabilized LEXAN polycarbonate
- Resistant to shock and vibration
- Operates from -67°F to 131°F (-55°C to +55°C)
- 5 year warranty

Specifications

Specifications

- Construction: Machined aluminum
- Power Consumption: 3.4W (DC); 4W (AC)
- Power Source: 100-277 VAC, 12-48 VDC
- Intensity: 32.5 candelas
- Light Output Wavelength: Red 615 nm, Infrared (IR) 860 nm
- Dimensions: 5.65" dia. x 7.75" height (single)
- Weight: 3.2 lb. (single); 7 lb. (double)
- LED Estimated Lifetime: 70,000+ hours
- IP Rating: IP67
- Wind Loading: Effective Projected Area of the L-810 with single mounting base is 23.125 square-inches



Shipping Information

Single: 3.2 lb. (1.45 kg); Carton: 10" x 10" x 10"
Double: 7 lb. (3.17 kg); Carton: 15" x 15" x 10"

L-810 LED Ordering Codes

Fixture	Color	Power	Fixture Style	Mounting	Options
FL-810LNV	**R:** Red	**AC:** 100-277 VAC **DC:** 12-48 VDC	**S:** Single **D:** Double	**BH:** 3/4" & 1" Hub - Bottom **34S:** 3/4" Hub - Side **10S:** 1" Hub - Side **FF:** Floor Flange **LSM:** Low Surface Mount[1] **PM:** 2" Pole Mount	**P:** Photocell **T:** Transfer Relay[2] **MT:** Marine Treated

[1] For single option only. [2] For 120/240VAC applications only.

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L-810 RTO Series LED Obstruction Lights

LED Technology

Compliances

Certified to FAA AC 150/5345-43 (Current Edition); Canadian Aviation Regulation CAR 621.9 (Transport Canada); ICAO (Annex 14 - Fourth Edition, July 2004); Low intensity Type A (10 cd); and Low intensity Type B (32 cd)

Intertek

Application

For marking top of obstacles that do not exceed 150 feet (45 metres) in height

Key Features

- Unique optical design (patent pending manufactured by Dialight
- Uses 95% less energy and lasts longer than incandescent
- Cast aluminum base & housing with aviation red UV resistant polycarbonate dome
- Available as a single, dual or retro-fit unit
- Weather/corrosion resistant lamp assembly and housing withstands shock and vibration
- Self-contained wiring compartment eliminates additional boxes
- Can be operated steady or flashed
- 5 year warranty
- IP66 / NEMA 4X

Specifications

- Supply Voltage : 100-240V, 50-60 Hz, grounding terminals provided. Other power inputs available.
- Power Factor : >0.9
- Nominal Input Power : 6.5W (FAA version)
- 8.6W (Transport Canada)
- Operating / Storage Temperature : -40º to +55ºC
- Threaded 1" and 3/4" bottom hub for mounting

Ordering Information

Part Number	Description	Voltage	Color	Certification
RTO-1R07-001	Obstruction fixture, single	120 - 240VAC	Red	FAA
RTO-1R07-002	Obstruction fixture, double	120 - 240VAC	Red	FAA
RTO-1R07-004	Retro-fit OB fixture, single	120 - 240VAC	Red	FAA
RTO-6R07-001	Obstruction fixture, single	120 - 240VAC	Red	Transport Canada
RTO-6R07-002	Obstruction fixture, double	120 - 240VAC	Red	Transport Canada
RTO-6R07-004	Retro-fit OB fixture, single	120 - 240VAC	Red	Transport Canada

Other input power available

Airport Light Bases

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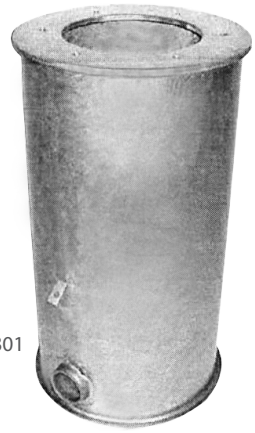
L-867 Light Base Non Load-Bearing



AC21242H200301

Compliances

Certified to FAA AC 150/5345-42 (Current Edition); Size: B = 12", D = 16", E = 24"

Intertek

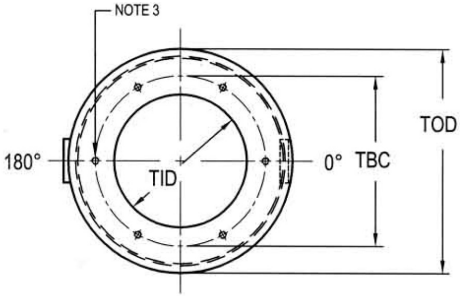
Application

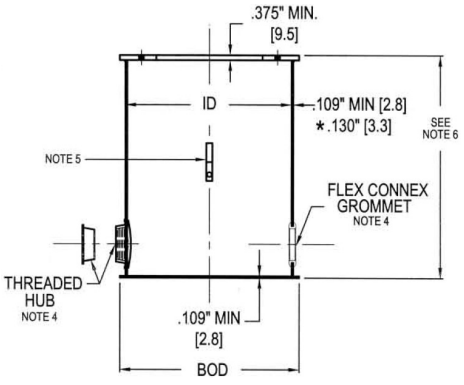
Non-load bearing light bases are designed for locations which experience occasional light vehicular loading, but no aircraft or other heavy vehicular load. The base typically supports an elevated taxiway light fixture and houses a powering isolation transformer. It can also be used solely as a junction box or transformer housing.

Key Features

- Base galvanized to ASTM A386
- Sturdy installation ensured with (6) 3/8"-16 equally spaced, tapped holes located over conduit openings
- Conduit openings (minimum 2) are located 180° apart and 2.5" up from bottom (various sizes and locations are available)
- Protective plug installed in threaded hubs
- Flex Connex Grommets are shipped separately
- Ground straps available: internal, external or both
- Standard stocked heights (other heights available):
  - AC21242Q200301
  - AC63242Q200301
  - AC21242H200301
  - AC63242H200301

Please contact Airport Lighting Company for non-standard configurations.





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Specifications

Type	ID	TBC	TID	TOD & BOD
AC21_ _	12.375″	10.25″	8″	13.5″
12″ L867B	[314.3]	[260.4]	[203.2]	[342.9]
AC63_ _	16.25″	14.25″	12.375″	17.375″
16″ L867D	[412.8]	[362]	[314.3]	[441.3]
AC67_ _	22.5″	21.5″	20″	24″
24″ L867E Modified	[571.5]	[546.1]	[508]	[609.6]

[ ] = dimensions in metrics; mm

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L-867 and L-868 Cover Plates

AK400012

Compliances

Certified to FAA AC 150/5345-42 (Current Edition); Size: A=10", B=12", C=15", D=16", E=24"

Intertek

Application

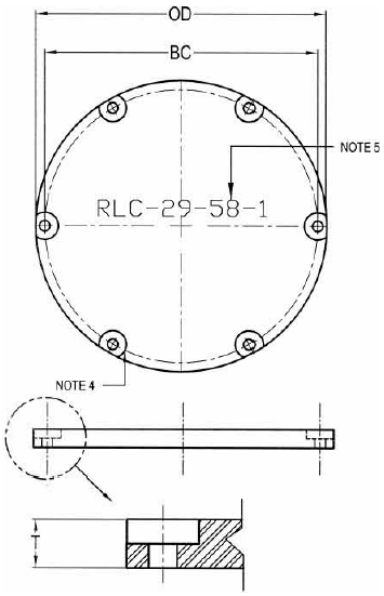
Mounts on an L-867 light base when it is used as a junction box or transformer housing

Key Features

- Constructed of A36 steel galvanized to ASTM A386
- Sturdy installation ensured with (6) 7/16" dia equally spaced, thru holes with 11⁄8" (counter bore only on covers ½" and thicker)
- Steel cover plates do not include bolts or gaskets
- Please contact Airport Lighting Company for variations:
  - Grounding
  - Tapped openings
  - Thicker Sizes

Type	*min.T	BC	OD
AK1000_ _	.25"	10.25"	13.5"
12" L867B	[12.7]	[260]	[343]
AK2000_ _	.25"	14.25"	17.375"
16" L867D	[12.7]	[362]	[441]
AK3000_ _	.75"	9.25"	10"
10" L868A	[19.1]	[235]	[254]
AK4000_ _	.75"	11.25"	12"
12" L868B	[19.1]	[285.8]	[304.8]
AK5000_ _	1.25"	14.25"	15"
16" L867D	[31.75]	[362]	[381]
AK7000_ _	.5"	21.5"	24"
24" L867E Modified	[12.7]	[546.1]	[609.6]

[ ] = dimensions in metrics; mm



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L-868 Light Base Load Bearing

AC24242Q200303

Compliances

Certified to FAA AC 150/5345-42 (Current Edition); Size: A=10", B=12", C=15"

Intertek

Application

Load bearing light bases are designed for locations which experience aircraft and other heavy vehicular loading. The base typically supports an in-pavement light fixture and houses a powering isolation transformer. It can also be used solely as a junction box or transformer housing.

Key Features

- Base galvanized to ASTM A386
- Sturdy installation ensured with (12) 3/8"-16 equally spaced, tapped holes located over conduit openings
- Conduit openings (minimum 2) are located 180° apart and 2.5" up from bottom (various sizes and locations are available)
- Protective plug installed in threaded hubs
- Flex Connex Grommets are shipped separately
- Ground straps available: internal, external or both
- Standard stocked heights (other heights available:

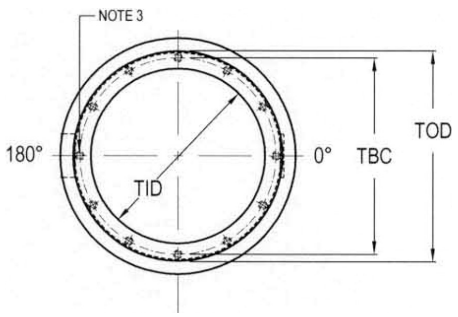
AC24=

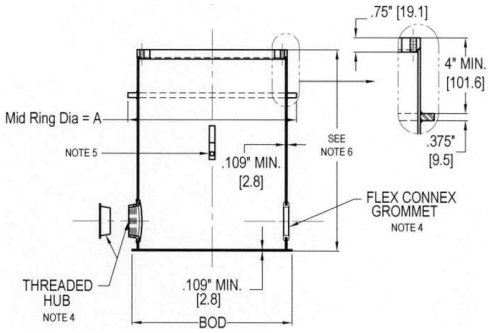
- AC24242Q200303
- AC24242H200303

AC35=

- AC35242Q200303
- AC35242H200303

Please contact Airport Lighting Company for non-standard configurations.





AirportLightingCompany
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Specifications

Type	TOD	TBC	TID	BOD	A
AC15_ _	10″	9.25″	8″	10.375″	11.5″
10″ L868A	[254]	[235]	[203.2]	[263.5]	[292.1]
AC24_ _	12″	11.25″	10″	12.375″	13.5″
12″ L868B	[304.8]	[285.8]	[254]	[314.3]	[342.9]
AC35_ _	15″	14.25″	13″	15.375″	16.5″
15″ L868C	[381]	[362]	[330.2]	[390.5]	[419.1]

[ ] = dimensions in metrics; mm

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L-894 Base Plate

AP1935

Compliances

Certified to FAA AC 150/5345-42 (Current Edition); Size: B=12", D=16"

Intertek

Application

Mounts on an L-867 Size B, D or E light base to allow the installation of an elevated light

Key Features

- Constructed of Corten A588 steel with aviation yellow powder coat finish
- Sturdy installation ensured with (6) 7/16" dia equally spaced, thru holes
- Base plate shipped with:

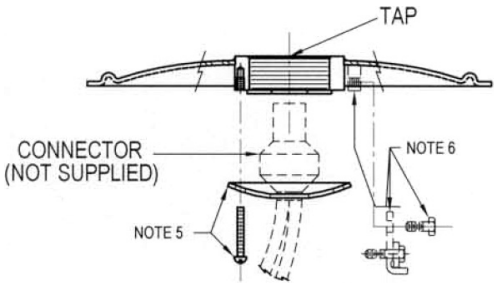
  Neoprene gasket:

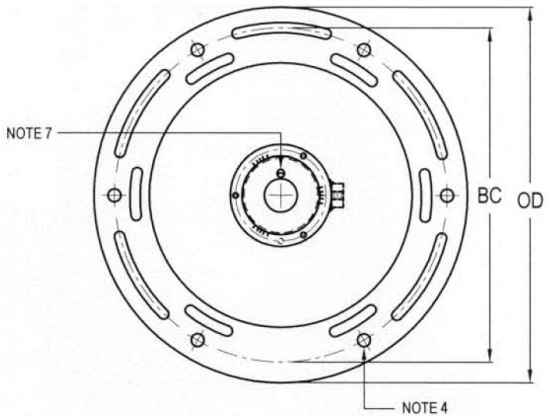
  - AP1932/1935 12" (10530297)
  - AP2932/2935 16" (10530281)

  Foam gasket:

  - AP1932AK/AP1935AK 12" (10532042)

    Hardware packup #6120 which contains:
  - (1) 3 hole cable clamp (8089)
  - (3) #10-24 x 1 ½" SS machine screws (10670781)
- Optional: Ground clamp hardware (AW0919) bulk packed for field installation
- (1) 1/4" dia weep hole standard: Add "AK" suffix to P/N for base plate w/o weep hole (Alaskan application)





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Specifications

Type	OD	BC	TAP
AP1932_ _	12″	10.25″	2″ NPS
12″ L867B	[304.8]	[260.4]	[50.8]
AP1935_ _	12″	10.25″	1 ½″-12 NF
12″ L867B	[304.8]	[260.4]	[28.1]
AP2932_ _	16″	14.25″	2″ NPS
16″ L867D	[406.4]	[362]	[50.8]
AP2935_ _	16″	14.25″	1 ½″-12 NF
16″ L867D	{406.4]	[362]	[38.1]

[ ] = dimensions in metrics; mm

Miscellaneous Parts

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High Intensity Incandescent

Details

Inner Filters

- #57-B: Blue 180°
- #57-R: Red 180°
- #57-G: Green 180°
- #57-Y: Yellow 180°

Outer Lens

- #248: Clear

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High Intensity Quartz Inner Lenses

Details

#57Q-B: Blue

#57Q-R: Red

#57Q-C: Clear

#57Q-Y: Yellow

#57Q-G: Green

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Medium Intensity Quartz or Incandescent

Details

#50: Green

#51: Blue

#51L: Blue LED

#52: Red

#54: Yellow

#249: Clear

#250: Clear/Green

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An ISO 9001:2015 Certified Company

Obstruction Lights

Details

Flanged Lenses

#52: Red

Threaded Lenses

#53-B: Blue
#53-C: Clear
#53-G: Green
#53-R: Red
#53-Y: Yellow

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Quartz Outer Lenses

Details

#248Q (for L-862): Clear

#248Q-CO (for L-862): Clear/Opaque*

#248Q-OC (for L-862): Opaque/Clear*

#249Q-CO (for L-861SE): Clear/Opaque

#256Q-GR: Green/Red*

#256Q-RG: Red/Green*

* Toe direction must be specified. Looking at the fixture from the runway center line the color on the left is listed first, followed by the color on the right.

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Reflective Marker

Compliances (Current Editions)

FAA: AC 150/5345-39, ETL Certified

Application

Retroreflective airport markers are used to mark airport taxiways, runway edges, ends and thresholds

Key Features

- Self-erecting when struck by a vehicle
- Resistant to ultraviolet light, ozone, and hydrocarbons
- Polypropylene post remains dimensionally stable from
  -4° F (brittleness point) to 329° F (melting point)
- Ground driven posts are capable of being mowed overby a standard DOT flail or sickle mower (special attachment required)
- Manufactured in the USA by Flexstake

Specifications

- Height: 14", 19", 24", 30", 36"
- Anchor: Soil Anchor
- Weight: 2.5 lbs (approximate)
- Post colors: White, blue or yellow (custom colors available)
- Reflective colors: 14" wrap for top of post available in blue, white, red or green reflective sheeting (custom colors available)

General Catalog Numbers

A□□-□□-□-□

Type
65 = Soil Anchor
75 = Surface Mount

Height
OW = 14"
1 = 19"
2 = 24"
2.5 = 30"
3 = 36"

Reflective Color
B = Blue
W = White
R = Red
G = Green
Y = Yellow

Post Color
W = White (Standard)
B = Blue
Y = Yellow

Example: A65-OW-B-B is an L-853 Soil Anchor Type 14" OAH Blue with Blue Post

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L-893 (L) RCM-D Runway Closure Marker

Compliances

Certified to FAA AC 150/5345-55 (Current Edition); FAA AC 150/5370-2 (Current Edition); NTSB Safety Recommendation A-03-05

Intertek

Application

This Hali-Brite RCM-D Runway Closure Marker is an effective method to warn pilots of closed runways and taxiways

Key Features

- Easily set up by one person in 2-3 minutes, without tools
- 3 year/3000 hour engine warranty
- Four folding arms open to 14 foot length
- 20 LED lamps deliver over 70,000 candelas at beam center
- Visible 10-25 miles from runway under VFR
- Selectable brightness levels to suit environmental conditions
- Photocell dimming for night operation
- Four rear-mounted lamps allow visual monitoring from rear side
- Powered by a three-cylinder, liquid cooled Mitsubishi diesel engine and Marathon brushless generator
- Operates 140 hours between fuel fills
- Highway towable with a standard 2" hitch coupler
- 2200 pound, DOT compliant trailer
- 4 swivel leveling jacks
- Adjustable light beam angle
- Optional rear hitch, allows tandem towing of 2 units
- Optional cover

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Specifications

Set Up Procedure

1. Level as necessary using 4 leveling jacks

2. Extend the 4 light assembly arms

3. Tilt the light to the upright position

4. Start the generator and activate the lights

Key Features

- 2200 pound axle
- 2" ball or optional pintle hitch, safety chains
- Four 2000 lb. leveling jacks. Side jacks are on extendable 38" outriggers
- DOT-compliant tail and marker lights
- Tires - ST175/80 D13, highway-rated
- All steel tubing construction
- Width: 67 inches
- Length: 105 inches
- Height: 64 inches
- Total wet weight 1600 lbs.

Part Numbers

RCM-DIESEL	Runway Closure Marker, Diesel
RCM-COVER	RCM Cover
RCM-REAR HITCH	RCM-D Rear Hitch Option
M-OILDRAIN	Oil Drain Valve Kit
M-SK171	SKI171 Extended Service Kit
RCM-ARM	CM Arm Assembly
RCM-LED UPGRADE	RCM LED

Light Assembly Specifications

- Arm length 14 feet when operating
- Hinged to generator housing, swings upright for use, swings to horizontal position when stowed
- Assembly arms fold to a 5'x5' square for transport and storage
- Arms constructed of 4"x4" extruded aluminum, with yellow epoxy powder-coat paint
- Twenty LED lamps mounted in front, plus 4 monitor lamps in rear, 24 total
- LED lamp, 20 degree beam width, rated life 50,000 hours typical
- Lamps flash 2.5 seconds on, 2.5 seconds off
- Solid-state flasher, no mechanical contacts
- Photocell automatically reduces intensity at night
- 2 year warranty on light assembly, 4 years on lamps
- Maximum Power: 630 watts, 643VA at 120VAC

Engine & Generator Specifications

- Engine: Mitsubishi L3E Diesel, 12.7 hp, 3-cylinder, liquid-cooled, 4-stroke, 1800 RPM, electric start
- Engine Warranty: 2 years/2000 hours on entire engine, 3 years/3000 hours on major components
- Glow plugs and elapsed hour meter
- Low oil/high temperature auto-shutdown
- Generator: Marathon Electric, 6.0 kW, 120 VAC, 4-pole, brushless
- Fuel tank capacity 57 gal., consumption 0.4 gph, 140 hour runtime

Dimensions

114" x 65" x 68"

Weight

1450 lbs (palletized)

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Clamps

Details

#61 Lens clamp for medium intensity head assemblies #216 and #68
#60Q Lens clamp for high intensity quartz head assemblies #213Q and #216SE
#60 Lens clamp for high intensity incandescent head assembly #213X
#66 Mounting clamp for M-1 light

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Couplings

Details

#58 Frangible coupling 1.5" thread for 1" dia. column
#59-E (Natural) #59-E-P (Painted) Frangible coupling 2" thread for 2" EMT
#59-A Frangible coupling 2" thread both ends
#59 Frangible coupling 2" thread
#58-2 Frangible coupling 2" thread for 1" dia. column

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L-823 Connector Cords

Details

#766-X: Incandescent
#766Q-X: Quartz
#766QS-X: L862 Quartz
#766L-X: LED

X = Overall height of fixture -14", 20", 24" or 30"

Other heights available

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Mounting Columns

Details

- #77: 14" Fixture Height
- #78: 20" Fixture Height
- #78-16: 24" Fixture Height
- #79: 30" Fixture Height

Other heights available