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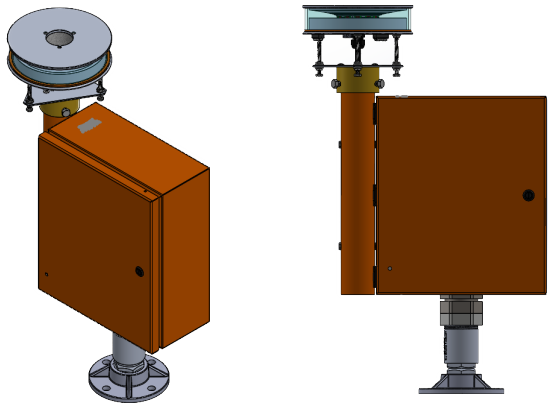
LED ODAL – Omni Directional Approach Light



Compliances (Current Editions)

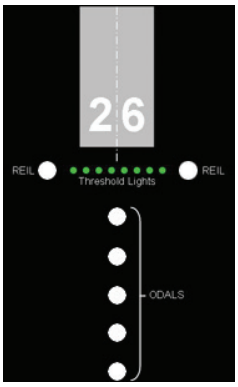
FAA: AC 150/5345-51, EB67, ETL Certified

Sections 5.3.1, 5.3.5 and 5.3.10

Intertek

Application

The primary application of an LED ODAL system is to positively identify the end or the threshold of a visual or instrument non-precision runway. An ODAL system consists of two synchronized flashing lights at Runway End, and five sequential flashing lights in line with Runway centerline to guide pilot to runway.



Omni-directional approach light system (ODALS)

General Catalog Numbers

85-□-□-□□

Type
V = 100-240V, 50/60Hz
I = 2.8A to 6.6A

# of Legs
0 = Wall Mount
1 = 1 Leg
2 = 2 Legs

Options
A = Current Sensing (Type V Only)
S# = Separate Mount (specify qty)

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

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Specifications

Photometric Data

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

Physical Specifications

OMNI Flashhead (84-90000)	Weight = 5lbs Dimensions = 6.5H x 8H
Type V Power Supply (84-00904)	Weight = 4lbs Dimensions = 1.75H x 10W x 3.5D
Type I Power Supply (C7-LVCV2)	Weight = 1lb Dimensions = 2.5H x 7.25W x 2.5D
OMNI Co-Mount (Enclosure + 85-90000)	Weight = 26lbs Dimensions = 24H x 17W x 8D
Separate Mount Enclosure	Weight = 21lbs Dimensions = 16H x 12W x 6.5D

Equipment Data

Control	Remote, local, or automatic
Current	2.8A to 6.6A
Power (VA)	194VA
Flash Rate	60 fpm
Nominal Intensity	High: 5,000; Med: 1,500; Low: 300
Beam Spread	360° Horizontal, 8° Vertical

Spare Components

Description	Part Number
Frangible Coupling, 2" EMT	59-E
Strobe Voltage Power Conditioning PCB	84-00904
Type-V Power Supply, 240Vin - 48Vout	84-00905
OMNI LED PCB	85-00008
OMNI Driver PCB	85-00009
OMNI Directional Flashhead	85-90000
Low Voltage PCM (Type-I Power Supply, 6.6A)	C7-LVCV2

Specifications

Current-Powered

2.8A - 6.6A, 100W Isolation Transformer

Voltage-Powered

100V-240, 50-60Hz

Current-Sensing Module for intensity control

Key Features

- Lower cost of ownership
- High, medium and low intensity
- Robust primary control signal
- Field programmable sequence timing
- No power adapter required
- True RMS current sensing
- Current sensing set-up required at the Primary Unit Only
- Co-mounted or Separate mounted flashhead
- 50 or 60 Hz
- Flash monitoring
- Elapsed time meter
- Long-life LED for years of service