OWNER'S MANUAL

Medium Intensity Elevated Edge Light

L-861

L-861T

L-861E

Medium Intensity Elevated Edge Light
L-861/L-861T/ L-861E
Owner's Manual

ETL Certified Conformance with:
Certified to FAA AC 150/5345-46 (Current Edition)

Manufactured by:

Airport Lighting Company

108 Fairgrounds Drive

Manlius, New York 13104

(315) 682-6460

Email: info@airportlightingcompany.com

Website: www.airportlightingcompany.com

Medium Intensity Runway/Taxiway Light

Compliances (Current Editions)

FAA: AC 150/5345-46, ETL Certified

ETL VERIFIED

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
- Available in increased heights for inclement weather visibility

General Catalog Numbers

216-☐☐-☐-☐☐-☐☐-☐

Wattage
30 = 30W*
45 = 45W*

Lamp Type
Q = Quartz
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

Parts

Head Assemblies

Includes housing, socket, cord, gasket and lens clamp

216Q-XX *L-861, L-861T - 1-5/8"* *Standoff 99-00305*	Quartz

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

Lamp Sockets

73-Q	Quartz

Connector Cords

766Q-X	Quartz

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

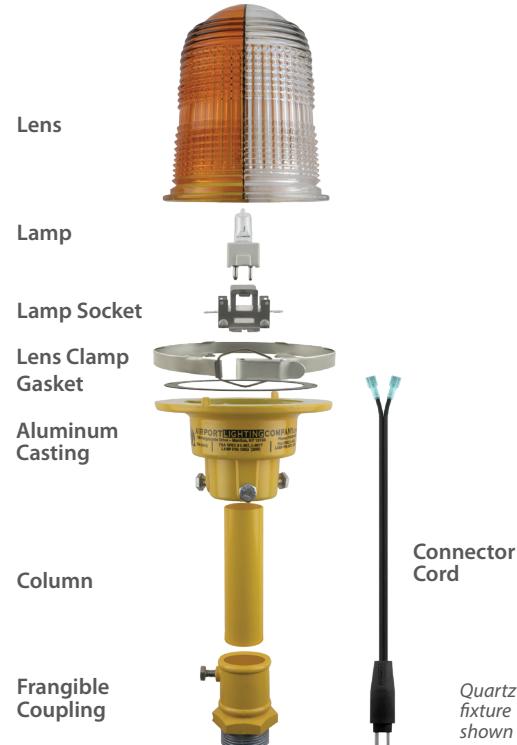## Lenses

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.

Lens

Lamp

Lamp Socket

Lens Clamp Gasket

Aluminum Casting

Column

Connector Cord

Frangible Coupling

Quartz fixture shown

Lamps

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

TABLE OF CONTENTS

General Inquiry:

📞 **PHONE:**   (315) 682-6460

✉ **EMAIL:**   info@airportlightingcompany.com

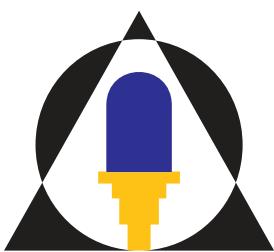# Technical Support:

📞 **PHONE:**   (866) 212-1060

✉ **EMAIL:**   support@airportlightingcompany.com

🌐 **WEBSITE:**   www.airportlightingcompany.com

AirportLightingCompany
An ISO 9001:2015 Certified Company

108 Fairgrounds Drive
Manlius, New York 13104

Warranty

Airport Lighting Company warrants that the equipment has been manufactured and will perform in accordance with applicable specifications and that any defect in design, materials, (excluding lamps), or workmanship which may occur during proper and normal use during a period of 1 year from date of installation or at least 2 years from date of shipment will be corrected by repair or replacement by the manufacturers f.o.b. factory.

Installation Instructions

The fixture ships from Airport Lighting Company ready to be plugged into a 30/45W isolation transformer with a 6.6amp secondary. Install the lamp using care not to let your skin contact the glass of the lamp. Remove the clamp band, install the lens by aligning the notches of the glass with the bosses on the casting, and replace the clamp band. Snake the cord through the column and frangible coupling. Secure the column to the frangible coupling, tightening to 30 in lbs. Plug the fixture into the isolation transformer secondary. Thread the frangible coupling onto the baseplate. If the lens is bidirectional, rotate the fixture until the division between the glass is perpendicular to the pavement. Place a torpedo level along the bottom edge of the light fixture base. Using the (3) ¼"-20 hex screws in the base of the fixture adjust the screws until the light fixture is level and tighten to 30 in lbs.

Maintenance

As part of the lamp replacement process, wipe the lens clean inside and out. Check that bidirectional fixtures are aligned properly to the pavement.