

# Medium Intensity Light LED



## 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



## 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<br>1.5" thread for 1" dia. column |
| #58-2   | Frangible Coupling<br>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    |