# 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

ETL VERIFIED
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*

## 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 | 22.1 | 20/25W |
| 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 | 37.64 | 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

## 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 |