

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
- IP68

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 arctic kit (6.6A only)
 V = 90-260 VAC Style 6 plug*
 VS = 90-260 VAC Style A plug*
 includes Flange for desktop

*Not ETL certified

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



Parts

Head Assemblies

Includes housing, LED module, cord, power supply, gasket, and lens

#861L-ZZ-XX-L	Head Assembly
#861L-ZZ-XX-V-L	Head Assembly LED (Voltage)*

ZZ = Fixture color

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

* - Style 6 plug

Connector Cords

#766L-X	Cord
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X = Overall height of fixture -14", 20", 24" or 30" - other heights available

Lenses

#61L-XX	Lens
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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

Performance Criteria

All PF ≥ .95

Without Arctic Kit

Color	Fixture VA	Total VA	Iso Xfmr
Blue	6.1	10.4	10/15W
Clear	17.9	25.8	20/25W
Yellow	17.9	25.8	20/25W
Clear/Yellow	17.9	25.8	20/25W
Clear/Red	17.9	25.8	20/25W
Red	17.9	25.8	20/25W
Red/Yellow	17.9	25.8	20/25W
Green	14.7	22.1	20/25W
Green/Yellow	14.7	22.1	20/25W
Green/Clear	14.7	22.1	20/25W
Red/Green	9.7	15.5	10/15W
Red/Opaque	9.7	15.5	10/15W
Green/Opaque	9.7	15.5	10/15W

With Arctic Kit

Color	Fixture VA	Total VA	Iso Xfmr
Blue	20.1	24.4	20/25W
Clear	31.9	39.8	30/45W
Yellow	31.9	39.8	30/45W
Clear/Yellow	31.9	39.8	30/45W
Clear/Red	31.9	39.8	30/45W
Red	31.9	39.8	30/45W
Red/Yellow	31.9	39.8	30/45W
Green	28.7	36.1	30/45W
Green/Yellow	28.7	36.1	30/45W
Green/Clear	28.7	36.1	30/45W
Red/Green	23.7	29.5	20/25W
Red/Opaque	23.7	29.5	20/25W
Green/Opaque	23.7	29.5	20/25W



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