

L-864 / L-865 Dual Red/White with Infrared (IR)

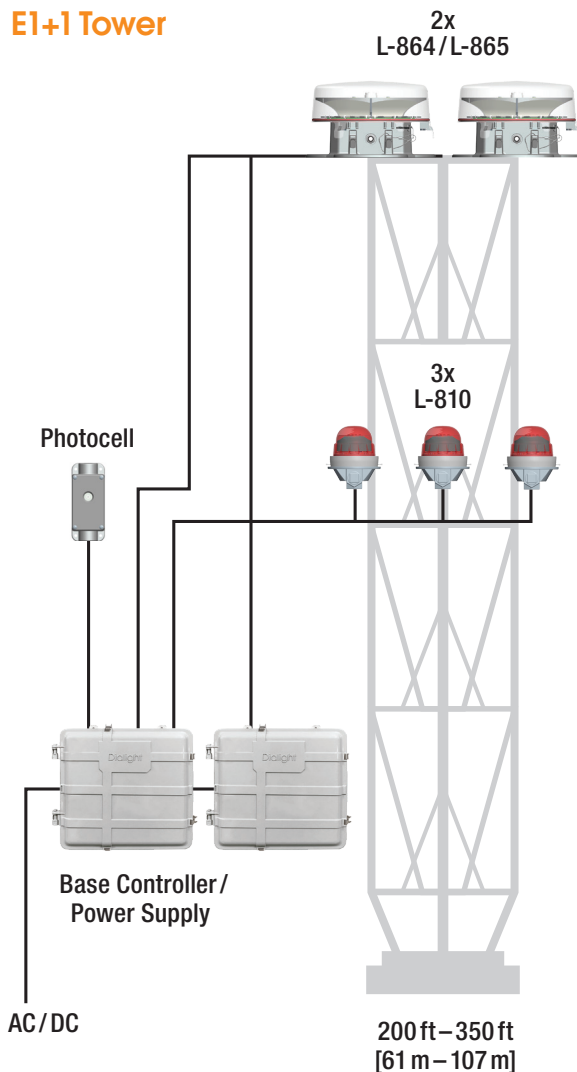


Dialight is the market leader in LED obstruction solutions with over 20 years of design and manufacturing experience. Dialight offers the industry's most reliable, energy-efficient and comprehensive line of LED-based obstruction systems in the world. Precision patented optics ensure maximum safety with minimal ground scatter for community friendly illumination. Dialight systems offer a small, light-weight flash head for ease of installation, and our low-maintenance fixtures virtually eliminate tower climbs and unplanned site visits for years, dramatically reducing maintenance costs and non-compliance risk. Dialight controlled LED obstruction solutions can be seamlessly integrated into existing operation and control centers while providing additional valuable information, both locally and remotely.

Certifications & Compliance

- FAA AC 150/5345 - 43J
- FAA EB No. 67D & 98
- IP66/NEMA 4X
- ICAO Annex 14
- DGAC Mexico
- Transport Canada Standard 621

E1+I Tower



Standard Features

- 5 year warranty
- ETL verified to FAA standards
- IR wavelength at 850 nm
- Superior surge and lightning protection
- Patented optics for minimal down light / ground scatter
- Remote monitoring options available
- Integrated controller with LCD backlit display
- Provisions for padlock on the enclosure

D1CW-KIT-STD-E11A Obstruction Lighting System Kit

This kit, supplied on a pallet, provides all the necessary lighting and hardware to install a new Dialight Vigilant E1+I system on a tower 200 ft – 350 ft (61 m – 107 m).

Component P/N	Description	Qty
D1CW-CTR-409	Dual Strobe L-864/L-865 +IR Controller & Power Supply 120–277 VAC	1
D1CW-FH-409	Dual Strobe L-864/L-865 + IR Flash Head	2
D1CW-PS-9409	Dual Strobe L-864/L-865 +IR Power Supply 120–277 VAC	1
RT0-CR28-001	Side Marker L810 Low Power 12–48 VDC, Red + IR FAA	3
D256-6000PEC	Photocell, ¾" NPT, Cast Enclosure	1
CAB-050183	Photocell Cable, 50 ft, 18 AWG / 3 Conductor	1
CAB-020183BFD	Communication Cable, 20 ft, 18 AWG / 3 Conductor	1
CAB-300183	Side Marker Cable, 300 ft, 18 AWG / 3 Conductor	1
CAB-400144BF	Strobe Cable, 400 ft, 14 AWG / 4 Conductor	2
D1RW-HDWR-E11	E1+I Hardware Kit (L-810 Mounts, Junction Box, Hardware, and Tape)	1

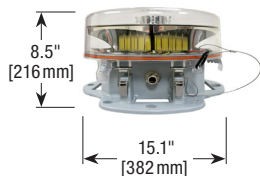
Specifications D1CW-KIT-STD-E11A System Kit

E1+1 COMPLETE SYSTEM KIT

Order Code: **D1CW-KIT-STD-E11A**

Weight: 1 pallet/skid 460 lbs

Dimensions: 48 x 38 x 38"



Controller & Power Supply	Mech Specs	Power Consumption	Power Input
D1CW-CTR-409 L-864/L-865 Controller & Power Supply	19.4 x 19.4 x 8.4" Mounting Dims: 20.4 x 12.0" IP66, NEMA 4X	Full System: White Day = 75 w White Night = 10 w Red/IR Night = 28 w	Power input: 120–277 VAC Power factor: > 0.9 Frequency: 50–60 Hz
D1CW-PS-409 L-864/L-865 Power Supply			

Cables
CAB-020183BFD 20 ft Communication Cable 18 AWG / 3 conductors UL and CSA

Lighting	Mech Specs	Effective Light Intensity
D1CW-FH-409 L-864/L-865 Flash Head	21 lbs (9.5 kg) 13.25 bolt circle IP66, NEMA 4X	White Day = 20,000 cd White Night = 2,000 cd Red = 2,000 cd IR = 246 mW/sr
RTO-CR28-001 L-810 Single Side Marker	2.0 lbs (0.91 kg) IP66, NEMA 4X	Red = 32 cd IR = 4 mW/sr

CAB-400144BF 400 ft Flash Head Cable 14 AWG 4 conductors with foil & braid UL and CSA
CAB-300183 300 ft Side Marker Cable 18 AWG / 3 conductors UL and CSA

Photocell	Mech Specs	Features
D256-6000PEC Photocell	2.0 lbs (0.91 kg) IP66, NEMA 4X	• Long life (10+ years) • No adjustments required • Flat or conduit ¾" NPT mounted

CAB-050183 50 ft Photocell Cable 18 AWG / 3 conductors UL and CSA

Relay Board Alarm Dry Contact LEDs

AL1 =
L-810 Side
Marker board
communication
status

AL2 =
Lighting
synchronization
status

AL3 =
L-864/L-865
Flash Head
status

AL4 =
Photocell status

AL5 =
Day / night
transition status

AL6 =
Internal
communication
status

AL7 =
L-810 Side
Marker status

AL8 =
Photocell mode
(day or night)