Dialight

Vigilant® D5C Medium Intensity System
A1 System
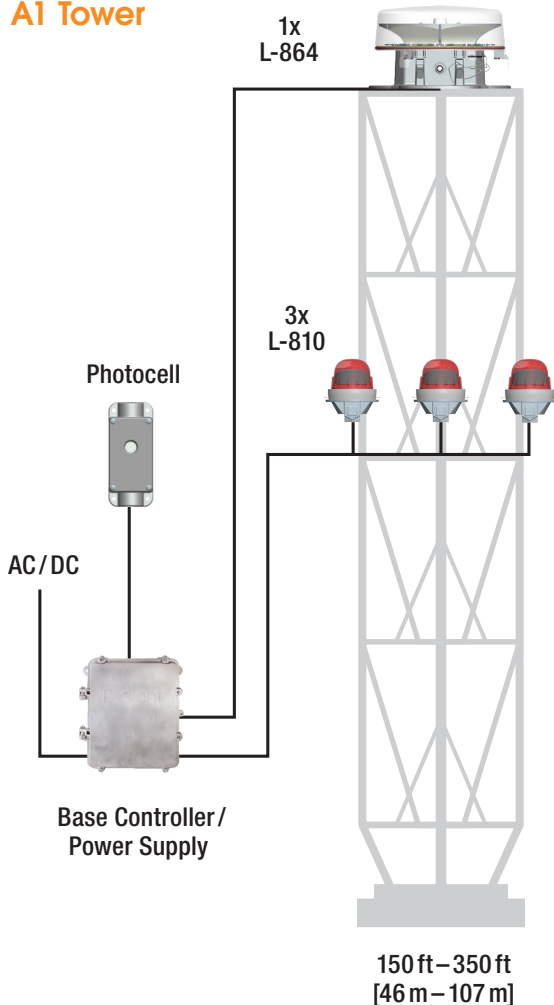
L-864 / L-810 Red Single with Infrared (IR)

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

A1 Tower

1x L-864

3x L-810

Photocell

AC / DC

Base Controller / Power Supply

150 ft – 350 ft [46 m – 107 m]

Standard Features

- 5 year warranty
- ETL verified to FAA standards
- Superior surge and lightning protection
- Patented optics for minimal down light / ground scatter
- Remote monitoring options available

D5C-KIT-STD-A1A Obstruction Lighting System Kit

This kit, supplied on a pallet, provides all the necessary lighting and hardware to install a new Dialight Vigilant A1 system on a tower 150 ft – 350 ft (46 m – 107 m).
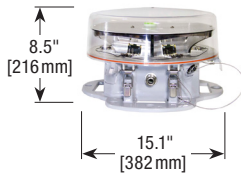
Component P/N	Description	Qty
D6C-B77C-CTR	Red Beacon L-864 / L-810 Controller	1
D664-R13-001	Red Beacon L-864 + IR	1
RTO-CR27-001	Single Side Marker L810 Red + IR	3
D256-6000PEC	Photocell, ¾" NPT, Cast Enclosure	1
CAB-050183	Photocell Cable, 50 ft, 18 AWG / 3 Conductor	1
CAB-300163 -AC	Side Marker Cable, 300 ft, 16 AWG / 3 Conductor	1
CAB-450143-BFAC	Red Beacon Cable, 450 ft, 14 AWG / 3 Conductor	1
D1RW-HDWR-E1	A1 Hardware Kit (L-810 Mounts, Junction Box, Hardware, and Tape)	1

Specifications D5C-KIT-STD-A1A System Kit

Controller	Power Input
D6C-B77C-CTR **L-864/L-810 Controller** 13.67 x 12.40 x 5.39" 16 lbs (7.3 kg) IP66, NEMA 4X	Power input 120–240 VAC Power factor > 0.9 Frequency 50–60 Hz

Lighting	Effective Light Intensity	Cables
D664-R13-001 **L-864 Red Beacon** 18.0 lbs (8.2 kg) IP66, NEMA 4X (13.25 bolt circle)	Red = 2,000 cd IR = 246 mW/sr	**CAB-450143-BFAC** **450 ft Red Beacon Cable** 14 AWG 3 conductors UL and CSA
RTO-CR27-001 **L-810 Single Side Marker** 2.0 lbs (0.91 kg) IP66, NEMA 4X	Red = 32 cd IR = 4 mW/sr	**CAB-300163-AC** **300 ft Side Marker Cable** 16 AWG 3 conductors UL and CSA

8.5" [216 mm]
15.1" [382 mm]

Photocell	Spec	
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 Alarm Status
Photocell: Day/Night Mode Detection
Individual Alarms
Photocell: Fail and Transition
L-864: Individual Fail Detection
L-810: Individual Fail Detection