

# **D1 LIGHTING KIT**

WHITE FAA L865

**TOWERS FROM 151' TO 350'**

INSTALLATION PER FAA ADVISORY CIRCULAR AC70/7460  
AND UNITED STATES NATIONAL ELECTRIC CODE NFPA-70.  
ALL CABLE AND ACCESSORIES INCLUDED IN KIT.  
INSTALLATION DRAWINGS AND BILL OF MATERIAL  
PROVIDED WITH PURCHASE.

**OWNER TO FURNISH REQUIRED POWER INPUT,  
120/230 VAC, 50/60 HZ  
LOAD REQUIREMENT = 100VA**

MISCELLANEOUS ITEMS TO COMPLETE INSTALLATION  
BEYOND SCOPE OF KIT DESIGN ARE NOT INCLUDED,  
BUT AVAILABLE IF REQUIRED BY SPECIFICATION.

LOWEST POWER & LONGEST LASTING LED SYSTEM  
GREEN POWER COST SAVINGS  
MEETS ROHS COMPLIANCE  
FIVE YEAR WARRANTY



124 South Street  
Franklin, KY 42134

Tel: 270-598-8859 Fax: 270-598-8797

**TOLL FREE: 1-800-621-4419**



# BKON

Guiding the Way

LOCATION USA D1 WHITE TOWER KIT

151'-350'

DRAWING NO. D1KITBIDSKETCH DATE 9/12/11

SCALE N.T.S.

FAA APPROVED 100W DAY/20W NIGHT  
WHITE MEDIUM INTENSITY FLASHING LED BEACON

KIT INCLUDES:

- LED BEACON
- POWER SUPPLY
- BEACON CABLE
- SUPPORTS
- PHOTO CONTROL
- MISC. HARDWARE & CONNECTORS
- INSTALLATION DRAWING

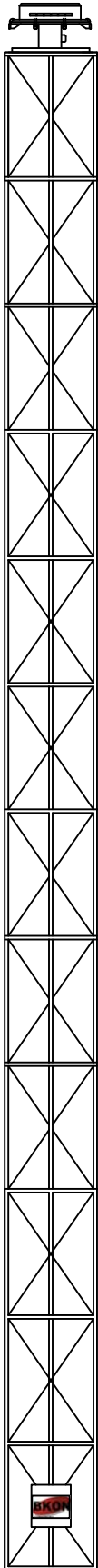
TOP LEVEL

FACTORY CABLE

PHOTOCELL

WHITE LED POWER SUPPLY

TO OWNER FURNISHED 120 VAC  
TOTAL CONNECTED LOAD: 100VA

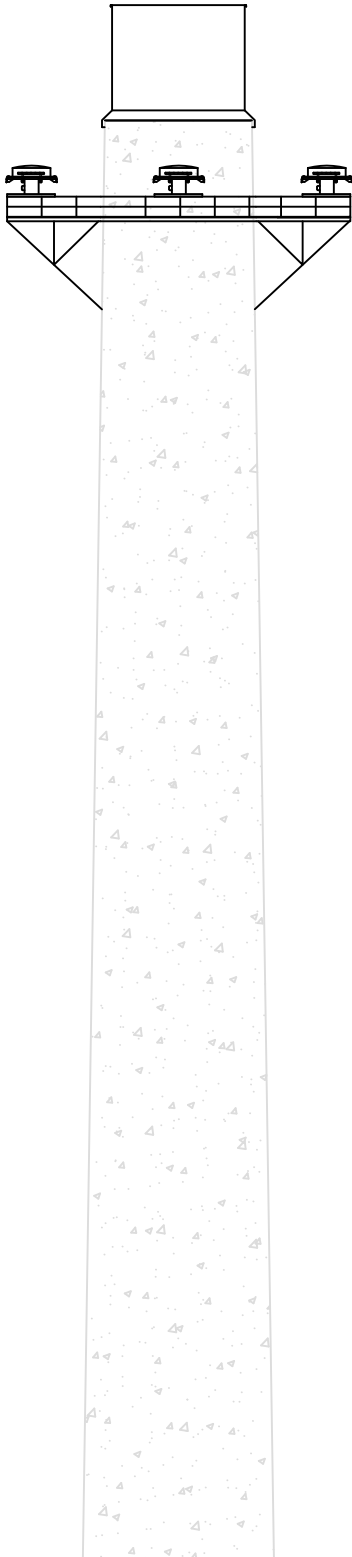




# D1 STACK LIGHTING KIT

WHITE FAA L865

**STACKS FROM 151' TO 350'**



INSTALLATION PER FAA ADVISORY CIRCULAR AC70/7460  
AND UNITED STATES NATIONAL ELECTRIC CODE NFPA-70.  
ALL CABLE AND ACCESSORIES INCLUDED IN KIT.  
INSTALLATION DRAWINGS AND BILL OF MATERIAL  
PROVIDED WITH PURCHASE.

**OWNER TO FURNISH REQUIRED POWER INPUT,  
120/230 VAC, 50/60 HZ & 48VDC  
TOTAL LOAD REQUIREMENT = 35VA**

MISCELLANEOUS ITEMS TO COMPLETE INSTALLATION  
BEYOND SCOPE OF KIT DESIGN ARE NOT INCLUDED,  
BUT AVAILABLE IF REQUIRED BY SPECIFICATION.

LOWEST POWER & LONGEST LASTING LED SYSTEM  
GREEN POWER COST SAVINGS  
MEETS ROHS COMPLIANCE  
FIVE YEAR WARRANTY

124 South Street  
Franklin, KY 42134  
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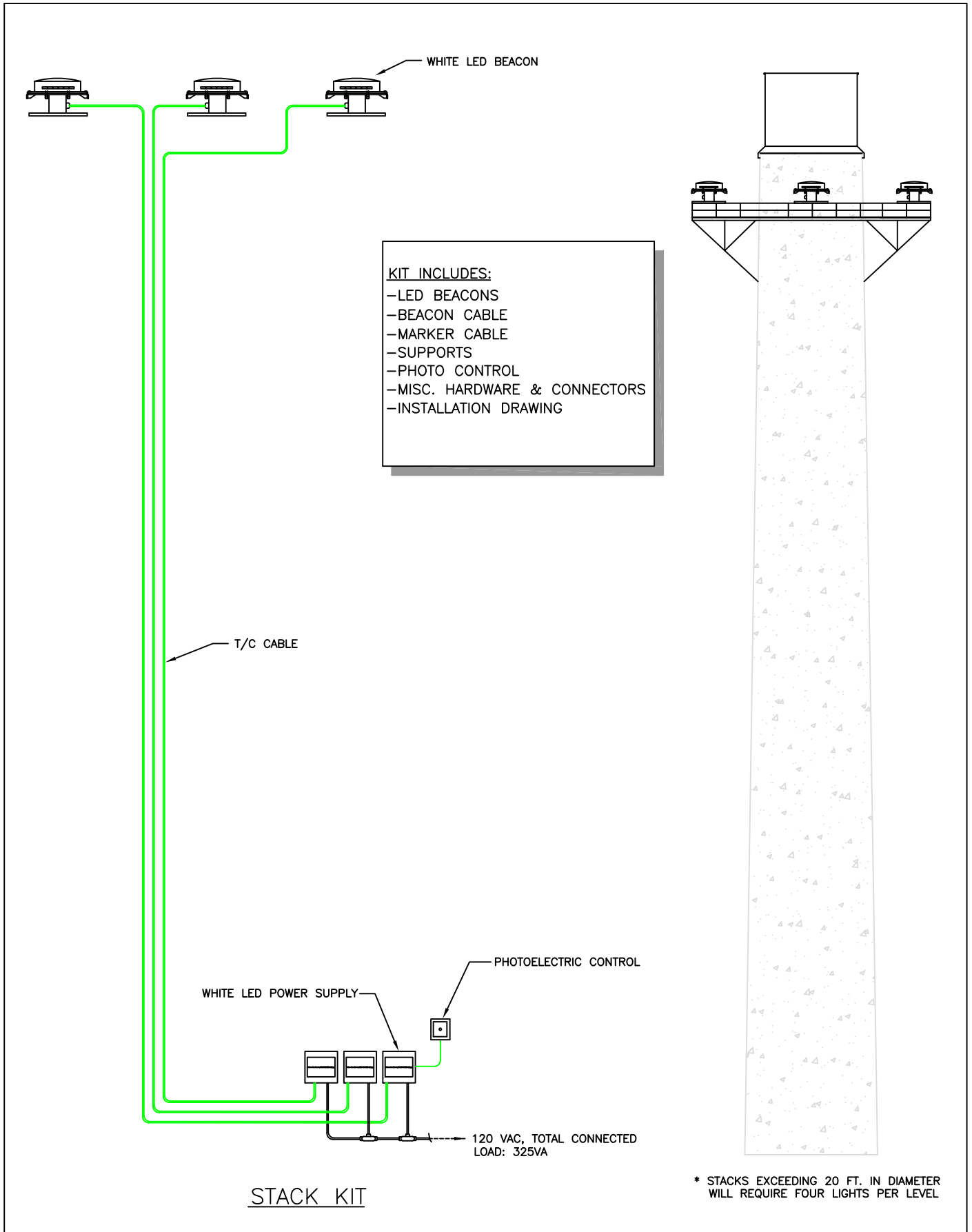
*TOLL FREE: 1-800-621-4419*



# BKON

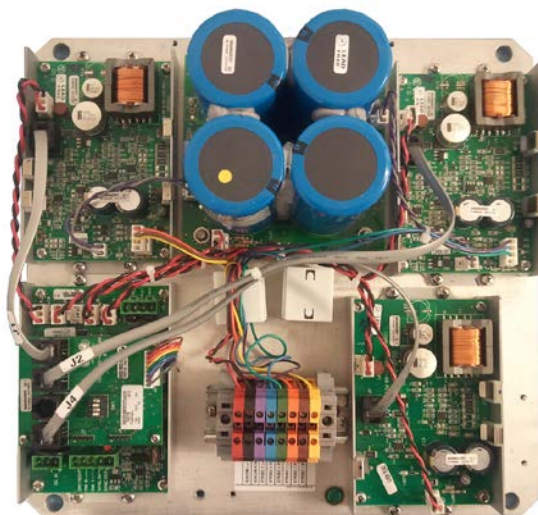
Guiding the Way

LOCATION USA WHITE STACK KIT  
151'-350'  
DRAWING NO. D1STACK DATE 10-20-11  
SCALE N.T.S.





**Guiding the Way**



Product measures 16 x 16 x 7 in NEMA 4X enclosure  
33.5 lbs / 15.20 kg

## REVOLUTION LED SYSTEM INTERFACE

Modeled for use with D1RW008 LED L-864/865 Dual Red/White & L-865 White  
Medium Flashing LED Beacons

Features	Benefits
48VDC-120, 240 50/60HZ	Multiple Voltage Input for diverse application
40 Pulses per minute + 60 Pulses per minute Catinary	Per FAA requirement
NEMA 4X Enclosure	NEMA4X Stainless Steel & Class I Div II and Explosion Proof Enclosures available
Screw terminals	Standard, no special connection devices needed
Fused	In-line Over-current Protection
Beacon Monitoring	Standard individual monitoring per beacon. (Form C Dry Contact)
Marker Monitoring	Standard per level monitoring. Can Monitor one failure on multiple levels with only one output (Form C Dry Contact)
Programming and resetting not required	Microprocessors will not reset if power is lost
Field Adjustable	Monitoring settings based on tower configuration and can be adjusted at the installation location
Power Monitoring Alarm	Form C contact for power failure
Easy Monitoring of RTO 860 L-810 Marker Lights	RTO & 860 side selector
Mode Switch	Test and Auto operation for initial startup and future inspection



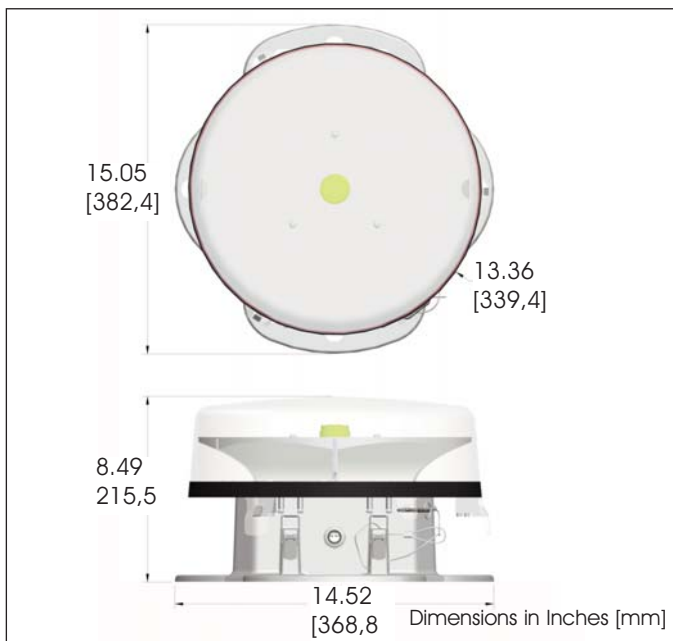
US Patents #7,208,881 #7,568,821 7,604,380 #7,777,424

## BKON™ LED Based L-865 Medium Intensity White Strobe

### Application:

The all LED BKON™ medium intensity white strobe and red beacon is designed for the lighting of communication towers, smoke stacks, wind generators and other obstructions to aerial navigation, as specified by the FAA and FCC. The Dual L-864/L-865 uses LED technology for light output from both the red beacon and white strobe.

Unlike conventional Xenon flashtube technology, little or no maintenance is required during its lifetime. Working voltages of less than 200VDC are significantly less than those of Xenon flashtube designs; therefore, this system represents an advance in safety. The BKON Dual L-864/L-865 LED beacon operates from a 120/240VAC or 48VDC supply. The power supply / control box can be located up to 550 ft away from the light engine, such as at the base of the tower.



Unit Weight:	21 lbs
Operating Voltage:	Universal 120-277V AC 50/60Hz power factor corrected supply (See below for options)
Supply Voltage Ranges:	Nominal +/- 10%
Effective Intensity:	White Day 20,000 cd White Night 2,000 cd Red Night 2,000 cd
Wattage:	White Day 85W White Night 10W
Power Factor:	>0.9
Operating Temp:	-40°F to +131°F (-40°C to +55°C)
Synchronization:	Multiple unit sync from single controller (Compatible with BKON GPS sync devices)

### Certifications & Ratings

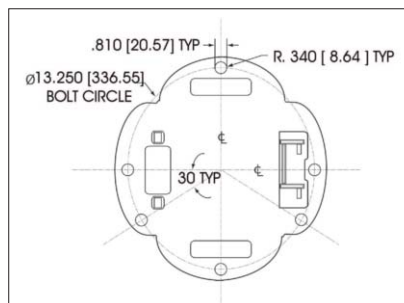
- FAA Approved  
(Check FAA Website for current certification)
- IP 66

### Qualified By

- Intertek ETL
- CSA

### Compliant To

- Canadian Aviation Regulation CAR 621 (Transport Canada)
- DGAC Mexico



Flip top design for simple installation

Part Number	Description	Voltage	Certification / Compliance
D1RW-C13-429-1	Flash Head and Power Supply (4 conductors)	120VAC	FAA (TC) L-864 / L-865
D1RW-C13-429-2	Flash Head and Power Supply (4 conductors)	240VAC	FAA (TC) L-864 / L-865
D1RW-C13-429-3	Flash Head and Power Supply (4 conductors)	48 VDC	FAA (TC) L-864 / L-865