

# LRK-3D SERIES

DIRECT LED RETROFIT KIT

Cat.#

Job

Type



Approvals

## SPECIFICATIONS

### Intended Use:

The Beacon LRK-3D LED retrofit kit gives the site owner an economical way to upgrade to LED lighting. The product is available in a choice of different wattages designed to replace HID lighting up to 175W. The LED lamp arrangement is designed to be used in tandem with a plain or textured globe in the host fixture. These kits are considered custom products that may require additional information. Dimensions and pictures of the host fixture may need to be provided and in some cases, a physical sample may be required for analysis or processing. Kits are suitable for installation in luminaires rated for wet locations.

### Construction:

- One piece optical cartridge system consisting of an LED engine, LED lamps, optics, gasket and stainless steel bezel.
- Cartridge is held together with internal brass standoffs soldered to the board so that it can be field replaced as a one piece optical system.
- Two-piece silicone and micro-cellular polyurethane foam gasket ensures a weather-proof seal around each individual LED.
- Aluminum mounting plate is engineered to order to fit the host fixture

### Electrical:

- 100V through 277V, 50 Hz to 60 Hz (UNV), or 347V or 480V input.
- Power factor is  $\geq .90$  at full load.
- Dimming drivers are standard, but must contact factory to request wiring leads for purpose of external dimming controls.
- Component-to-component wiring within the retrofit kit may carry no more than 80% of rated load and is listed by UL for use at 600VAC at 50°C or higher.
- Plug disconnects are listed by UL for use at 600 VAC, 13A or higher. 13A rating applies to primary (AC) side only
- Ambient operating temperature -25°C to 25°C
- Surge protection - 20kA.

### Electrical (cont.)

- Lifeshield™ Circuit - protects luminaire from excessive temperatures. The device shall activate at a specific, factory-preset temperature, and progressively reduce power over a finite temperature range. Operation shall be smooth and undetectable to the eye. Thermal circuit is designed to "fail on", allowing the luminaire to revert to full power in the event of an interruption of its power supply, or faulty wiring connection to the drivers. The device shall be able to co-exist with other 0-10V control devices (occupancy sensors, external dimmers, etc.).

### Controls/Options:

- Available with Energeni for optional set dimming, timed dimming with simple delay, or timed dimming based on time of night (see [www.beaconproducts.com/products/energeni](http://www.beaconproducts.com/products/energeni)).

### Finish:

- IFS polyester powder-coat electrostatically applied and thermocured.
- IFS finish consists of a five stage pretreatment regimen with a polymer primer sealer and top coated with a thermoset super TGIC polyester powder coat finish.
- The finish meets the AAMA 2604 performance specification which includes passing a 3000 hour salt spray test for corrosion resistance and resists cracking or loss of adhesion per ASTM D522 and resists surface impacts of up to 160 inch-pounds.

### Listings:

- CSA certified to CSA TIL B-97A and UL 1598C.

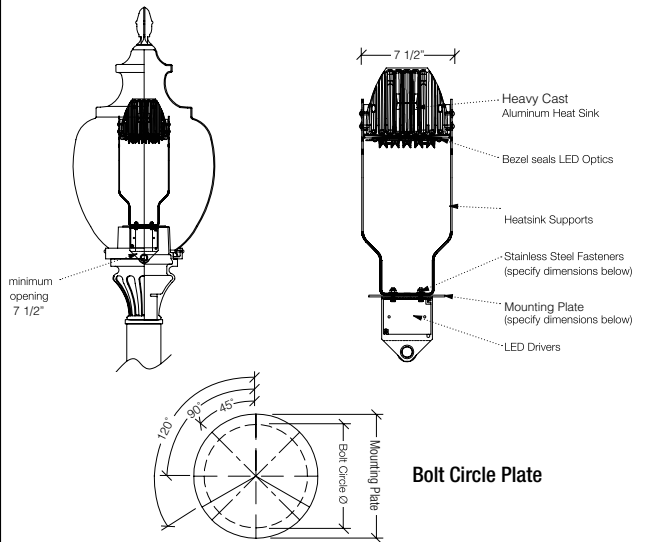
### Warranty:

Five year limited warranty. For more information visit: [www.hubbelling.com/resources/warranty](http://www.hubbelling.com/resources/warranty)

## PRODUCT IMAGE(S)



## DIMENSIONS



## CERTIFICATIONS/LISTINGS



## ORDERING INFORMATION

ORDERING EXAMPLE: LRK-3D/4K/T5R/UNV/3/45/10-24

SERIES	CCT/CRI	VOLTAGE	NUMBER OF BOLTS	CONTROL OPTIONS	MOUNTING PLATE Ø	BOLT LENGTH	BOLT CIRCLE Ø	BOLT SIZE
LRK-3D Tower LED retrofit Kit	3K 3000K 4K 4000K 5K 5000K	UNV 120-277V 347 347V 480 480V	2 Two bolts 3 Three bolts 4 Four bolts	GENI-XX Energeni <sup>1</sup>	Specify	Specify	Specify	Specify
LIGHT ENGINE		OPTICS		BOLT PATTERN				
24NB-27 27W, LED	T2 Type II	45 45° Bolt Pattern						
24NB-55 55W, LED	T3 Type III	90 90° Bolt Pattern						
	T4 Type IV	120 120° Bolt Pattern						
	T5R Type V Rectangular	180 180° Bolt Pattern						
	T5W Type V Round Wide	Other (Specify)						

<sup>1</sup> When ordering Energeni, specify the routine setting code (example GENI-04). See Energeni brochure and instructions for setting table and options



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Due to our continued efforts to improve our products, product specifications are subject to change without notice.

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