BEACON PRODUCTS

Ordering

Type:

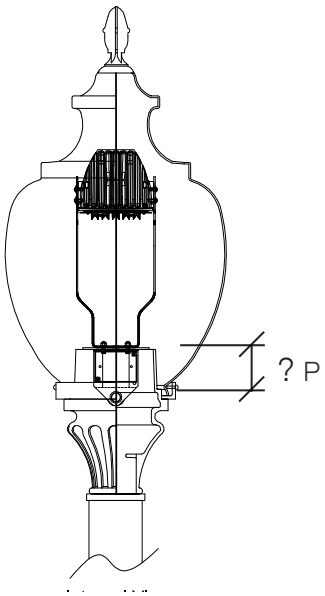
Ordering Code:

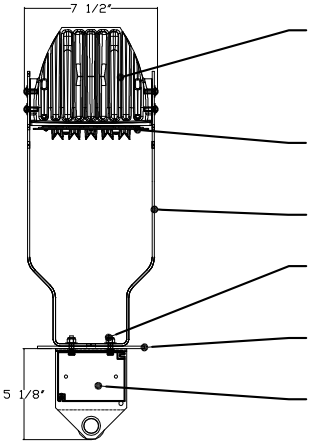
Job Name:

Notes:

LRK-3D

details





Heavy Cast Aluminum Heat Sink

Bezel seals LED Optics

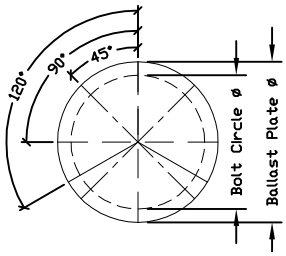
Heatsink Supports

Stainless Steel Fasteners (specify dimensions below)

Ballast Plate (specify dimensions below)

LED Drivers

bolt circle

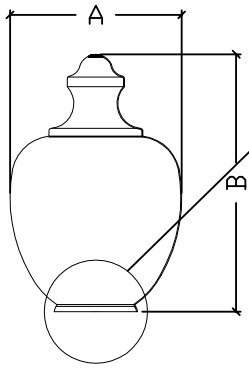


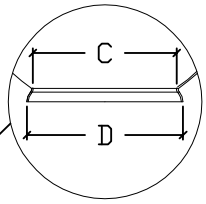
the mounting plate facilitates a simplified conversion process of many of the existing globe style luminaires.

optional replacement globes

ORDERING EXAMPLE: RG-A / R-ACT / ? / ? / ? / ?

replacement globe (optional)	replacement globe lens(optional)	width	height	neck inner Ø	neck outter Ø
RG-A 	**R-ACT** acrylic clear, textured	**specity**	**specify**	**specity**	**specify**
	R-PCT polycarb clear, textured				
RG-B 					
RG-C 					





A: Width: _____
B: Height: _____
C: Neck I.D. _____
D: Neck O.D. _____
P: POD Height _____

ORDERING EXAMPLE: LRK-3D / 30W / DIR5 / UNV / LSP / 2 / 45 / ? / ? / ? / ?

model	source (LED)	optics	voltage	# of bolts	bolt pattern	mounting plate Ø	bolt length	bolt circle Ø	bolt size
LRK-3D	**30W**	**DIR2** direct type II	**UNV** 120-277V	**2**	**45°**	**specify**	**specify**	**specity**	**specify**
	60W	**DIR3** direct type III	**347V**	**3**	**90°**				
		DIR4 direct type IV	**480V**	**4**	**120°**				
		DIR5 direct type V			**180°**				
					__ other				

Correlated Color Temperature

Luminaire Nominal CCT (0K) shall be 4500K (CCT)

Color Rendering Index (CRI)

Luminaire shall have a minimum CRI of 70.

Off State Power Consumption

The power draw of the luminaire including PE devices must be zero watts when in the off state.

Operating Environment

Shall be able to operate normally in temperatures from -20°C to 25°C

Cooling System

Shall not consist of any fan, pump or liquids and must be resistant to debris buildup.

LED heat sink

The LED module and heat sink shall be removable and up-gradable. The drivers shall be mounted on a removable plate and protected by a 10,000 amp transient surge protector. The heat sink shall be 356 cast aluminum and be fitted with 24 Cree XPG / 130 lumen LEDs.

LED Array

The 24 LED Array shall be 60 watts maximum and be provided with Type II, III, IV, or V distributions. Each LED shall have one optical lens. The Heat Sink & LED Array shall be mounted to a mounting plate and pointed downward. Aiming of individual LEDs will not be accepted.

LED Array board

Board will be mounted to the heat sink using 12-#4-40 screws to ensure contact with thermal pad and heat sink. Use of thermal grease will not be allowed. The board will be provided with two circuits of 12 LEDs each. Each circuit shall be supplied with one driver for a total of two drivers for two circuits. If one driver fails the other driver shall still light up one circuit of 12-LEDs.

Lumen Depreciation of LED Light

Must comply with IESNA LM-80

Source

LED module shall deliver at least 70% of initial lumens, when installed for a minimum of 70,000 hours.

Light Distribution Shall be:

Street Classification Lighting Distribution Pattern Roadway / Area
Type II, III, IV & V

Power Supply/Driver Requirements:

U.L. UL1310, Class 2 and UL48 compliant

Power Factor

Shall have a power factor not less than 90% at full load

Operating Voltage

120-277 volts

Driver Operating Temperature

Shall operate between -30°C and 60°C

Driver Frequency
Output operating frequency 47 to 63 Hz

Interference

Shall meet FCC 47 CFR Part 2, part15 and Cispr PUB, 22 Class B

Noise

Shall have a class A sound rating

Protection

Over-voltage, Over current and Short circuit protection: Auto-recovery

Startup

Must be instant restart

Surge Protection:

Transient over voltage protection shall be provided rated at 10,000 amps per standard 8/20 uSec wave.

File/Test Requirements:

UL/CSA

Provide copy of UL or CSA certification as recognized component

Warranty:

Manufacturer shall offer a 5 year warranty on all components of the retro-fit unit. The warranty period shall start at the date of shipment. The manufacturer shall supply contact information to the owner for warranty replacements as well as a written confirmation from the manufacturer confirming the warranty terms. Warranty components must be readily available with-in normal lead times. Warranty must include parts, labor and shipping.