

QPB-Pathway Indirect LED Bollard

- ▶ **The Perfect Compliment for P2's Pedestrian Scale LED Site Lighting.**
 - The Precision-Paragon indirect pedestrian scale approach uses far less energy than traditional systems while addressing the same lighting task.
- ▶ **Glare Free Dark Sky Compliant Approach**
 - Patent pending advanced light mixing and indirect optical techniques unify the individual LED's so they work as one. The result is uniform, controlled, highly efficient distribution not possible with a direct LED approach.
- ▶ **Lower Maintenance Costs**
 - Based on our advanced thermal management techniques our systems will perform over time where many competing LED offerings will not.
- ▶ **Real Cost Savings**
 - When you combine the energy savings, longevity and quality of our approach to indirect LED, the cost savings can be enormous.
- ▶ **Precision-Paragon Experience**
 - While many manufacturers promise long life and maintenance free performance from their LED products, it takes a real expert to create a fixture that delivers on that promise.
 - Our experience lets us deliver on the promise of LED lighting technology.

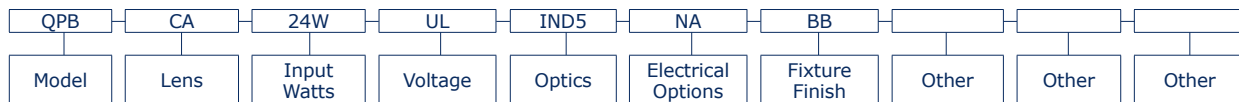
▶ The Pathway Indirect LED Bollard



▶ Application

- Pathway lighting in to complement the P2 line of pedestrian scale LED site lighting.
- Re-lighting projects for Universities, Municipalities, and Campuses.
- Replaces inefficient and short life Incandescent and HID light sources.

QPB-CA-24W-UL-IND5-NA-BB



Model
QPB-Metro Indirect LED

Lens
CA = Clear Acrylic
CP = Clear Polycarbonate

Input Watts
24W = 24 Watt LED Array
48W = 48 Watt LED Array

Voltage
UL = 120 through 277 volt
UH = 277 through 480 volt

Optics
IND5 = Type V Symmetrical

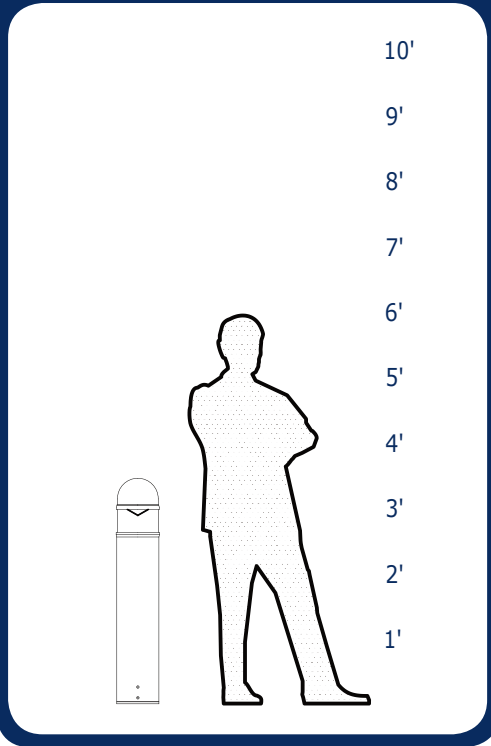
Electrical Options
PC = Photocell
LSP = Lighting Surge Protector
NA = None Selected

Fixture Finish
BB = Black
BZ = Bronze
BG = Green
BW = White
BY = Gray
RAL = RALxxxx (RAL Specification)

Other
xxK = xx Positions Indicate
Color Temperature
(60K or 6000 Kelvin nominal is standard.
All other temperatures are special order)

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Perspective



Specifications

Construction

All cast aluminum parts shall be low copper alloy A356. All extruded aluminum parts shall be alloy 6061-T6, 6063-T5 or equal.

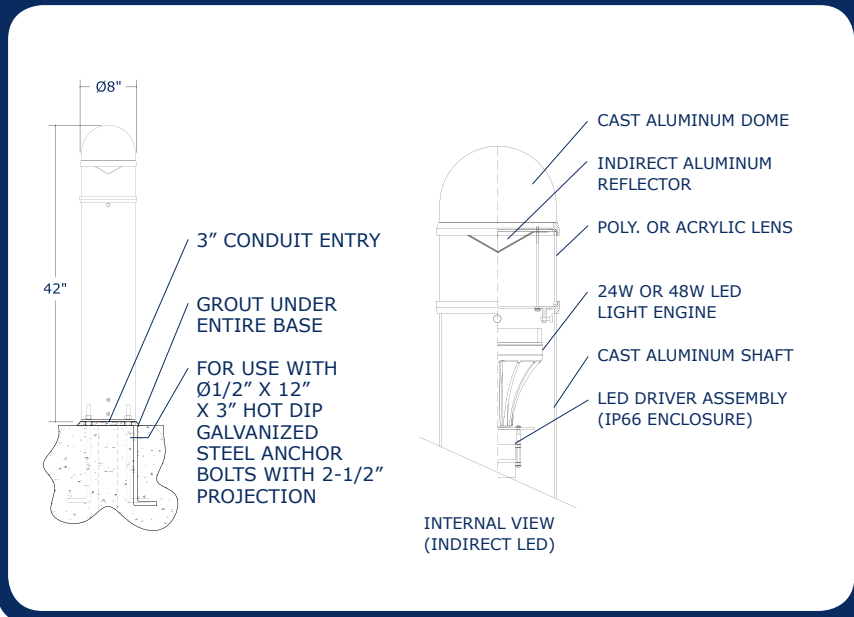
The electronic driver(s) shall be mounted with nonferrous fasteners. The driver(s) shall have a high-temperature, flame-resistant (UL 94V-0 minimum) enclosure. The input voltage range shall be 120-277 VAC, 47 to 63 Hz with a 90% power factor at full load. An integral step-down transformer shall be provided when a 347V or 480V input voltage is required. Load regulation shall be +/- 3%. The driver shall have output over voltage and over current protection and output short circuit protection with auto recovery. Operating temperature shall be -30°C to 60°C. The driver shall be designed to operate for 100K hours (MTBF) and the LED source shall be rated for a minimum of 50K hours (70% lumen maintenance @ 35°C ambient temperature). The LED source shall be mounted to an aluminum heat sink and located within the optical housing. Dual drivers may be utilized for bi-level switching.

The luminaires shall be NRTL listed and suitable for wet locations

Finish

All aluminum components shall be subjected to a 5-stage chrome-free pre-treatment process by immersion. AAMA 2604 grade powdercoat paint shall be electrostatically applied following outgassing. All fasteners are stainless steel.

Luminaire Details



Anchor Bolt Pattern

