

QWI-Washington Pedestrian Scale LED

- ▶ **Up to 70% Less Electricity**
 - Precision's 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.
- ▶ **Better Lighting**
 - Our LED light engines deliver better quality of light than traditional incandescent, high pressure sodium, metal halide fixtures.
- ▶ **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-Lighting's 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.

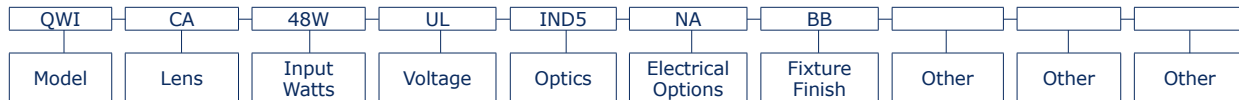
▶ The Washington Pedestrian Scale LED



▶ Application

- Re-lighting projects for Universities, Municipalities, and Campuses.
- Replaces 175 and 250 watt HID systems.
- Energy and maintenance savings combined with environmental sensitivity, and a motivation to improve infrastructure, creates relighting return on investment scenarios suitable for institutional funding.

QWI-CA-48W-UL-IND5-NA-BB



Model
QWI-Metro Indirect LED

Lens
CA = Clear Acrylic

Input Watts
24W = 24 Watt LED Array
48W = 48 Watt LED Array
60W = 60 Watt LED Array
80W = 80 Watt LED Array

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

Optics
IND5 = Type IV Symmetrical
IND3 = Type III Forward Throw

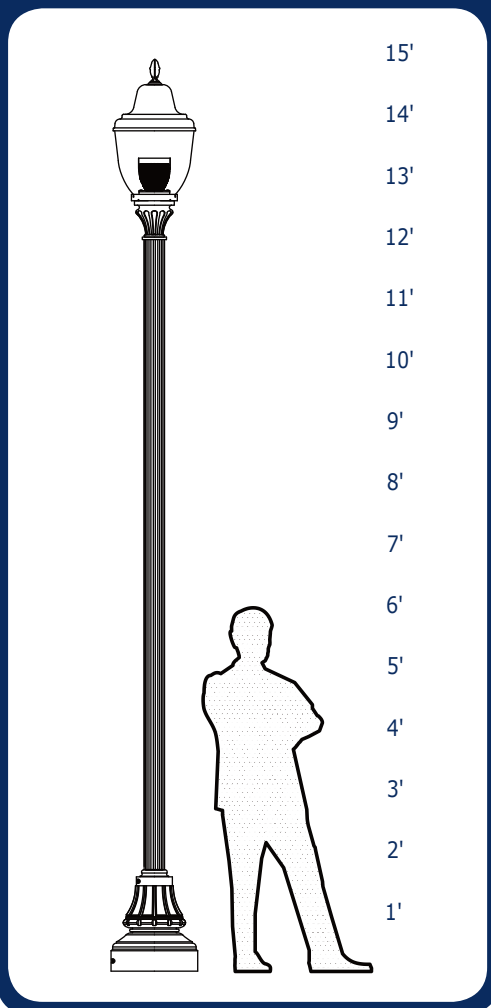
Electrical Options
PC = Photocell
LSP = Lighting Surge Protector
NA = None Selected

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

Other
WM = Wall Mount Bracket
(Requires IND3 optics)
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 components shall be low copper alloy A356. All extruded aluminum components shall be alloy 6061-T6, 6063-T5 or equal. All spun components shall be alloy 1070, 3002 or 1100.

Lens

The acrylic lens material shall be UV stabilized and impact resistant (Minimum notched Izod impact strength (ASTM D256) of 1.1 ft-lb/in) and shall also be sealed by a sponge silicone gasket at the lens top and bottom which shall seal the optical enclosure for weather tight operation.

Housing / Fitter

The bottom housing / fitter shall be a cast aluminum, decorative fitter designed to accommodate the ballast assembly and shall mount to a 3"OD x 3"H tenon and be secured by six stainless steel set screws.

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

