



DECO® | LIGHTING

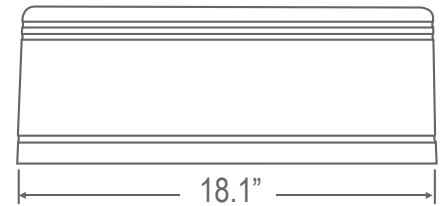
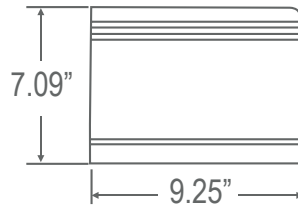
D440-LED

Architectural Cylinder Wall Pack



Job Information

| | |
|--------------|--|
| Type: | |
| Catalog #: | |
| Project: | |
| Comments: | |
| Prepared by: | |



Description

The D440-LED wall pack will compliment your site, with it's smooth lines and clean design. Rugged construction and full cutoff optics allow this fixture to be used in parking areas, entrances, walkways, underpasses, loading docks, recreation areas, tunnels.

Ordering Information

Example: (D440-LED-50-50-UNV-UD-T3-BZ-PC)

D440-LED

| Series | Wattage/Lumen | Color Temp. | Voltage | Distribution | Optics | Finish | Option | |
|----------------------------------|---------------|---|-------------------------------------|---|---|---|--|---|
| Architectural Cylinder Wall Pack | 20 | 20W/2030 ^{3,5} (10W down/10W up) ⁶ | 30 3000K 35 3500K | UNV 120-277V 347 347V 480 480V (Step-Down Transformer used for 480V Divider) | D Downlight ⁸ UD Uplight/Downlight Combo ⁸ | T2 Type II T3 Type III T4 Type IV T4A Front Row T5 Type V | BZ Bronze ¹ BL Black WH White CU Custom ² | PC Photocell WSF Wired Single Fuse WDF Wired Double Fuse EM Intergal Emergency Backup 2ED 2 Electronic Drivers ⁷ |
| | 40 | 40W/4050 ^{3,5} (20W down/20W up) ⁶ | 40 4000K 50 5000K ^{4,5} | | | | | |
| | 50 | 50W/5075 ³ (30W down/20W up) ⁶ | | | | | | |
| | 60 | 60W/6090 ³ (30W down/30W up) ⁶ | | | | | | |
| | 80 | 80W/8120 ³ (40W down/40W up) ⁶ | | | | | | |

¹ Standard for fixture

² Contact factory for custom finish

³ Delivered Lumens (5000K), split when UD distribution is selected

⁴ Standard Color Temp.

⁵ DLC Listed (5000K only currently)

⁶ Up/Down wattage split only applies if UD distribution is selected

⁷ Not Available in 20W model

⁸ Contact factory for Uplight only distribution option



Deco Lighting practices a program of continuous product development, and as a result product specifications change frequently. We reserve the right to change product specifications without notice. Contact Deco for the latest product information.

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Features

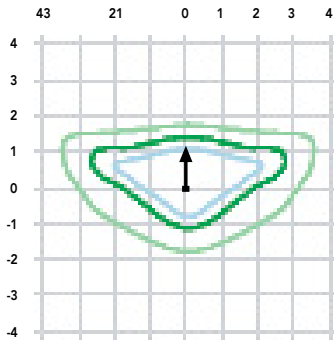
- UL 1598 listed for wet locations.
- Heavy duty two-piece die-cast aluminum powder coated construction.
- Heat and impact resistant tempered glass lens.
- Dark bronze housing color.
- Silicone rubber included to prevent any leakage from the outside.
- One piece anodized aluminum designed reflector for the best light

efficiency.

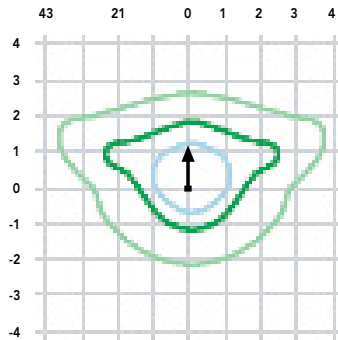
- Fully gasketed lens assembly seals out external contaminants.
- Approx. Weight: 14 lbs
- Standard color is bronze; also available in black and white. Contact factory for custom finishes.

Photometric Data

40W-TYPE II



40W-TYPE III



LEGEND

- 0.1 fc
- 0.5 fc
- 1.0 fc

Performance Data

| | |
|------------------------|---|
| CRI: | 80+ |
| CCT: | 3000K, 3500K, 4000K, 5000K |
| Warranty: | 10 yr. Limited Warranty |
| Dimming: | Available with 0-10V inputs dimming down to 10% |
| Operating Temperature: | -30° to 55°C Max Ambient |
| L70 Rating: | 100,000+ Hours |
| IP Rating: | IP65 |
| Driver Current: | 350mA (w/o Optics) 700mA (w/Optics) |
| Sound Rating: | Class A (inaudible in a 24dB ambient environment) |

Delivered Light Output & Equivalency Chart

| HID to LED Replacement | | |
|------------------------|-------|-----------------|
| DELIVERED LUMENS | HID | LED Replacement |
| 1300lm | 50W | 10W |
| 2600lm | 70W | 20W |
| 3900lm | 100W | 30W |
| 5200lm | 150W | 40W |
| 7800lm | 175W | 60W |
| 11700lm | 250W | 80W |
| 15600lm | 400W | 120W |
| 26000lm | 750W | 200W |
| 31200lm | 1000W | 240W |

Interested in upgrading from HID to LED lighting? Use the conversion table above to get a general idea of what wattage LED fixture will replace your current lighting system. Lumen output and overall performance will vary by fixture, so please contact our factory or your nearest sales rep regarding specific questions on what wattage will best suit your desired space and application.

Performance Data

Lumen vs Ambient Temperature

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

| Ambient °C | Ambient °F | Lumen Multiplier |
|------------|------------|------------------|
| 03 | 21 | .02 |
| 54 | 11 | .015 |
| 10 | 50 | 1.01 |
| 15 | 59 | 1.008 |
| 20 | 68 | 1.005 |
| 25 | 77 | 1 |
| 30 | 86 | 0.995 |
| 35 | 95 | 0.985 |
| 40 | 104 | 0.98 |
| 45 | 113 | 0.97 |
| 50 | 122 | 0.965 |
| 55 | 131 | 0.96 |

Projected LED Lumen Maintenance

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

| Operating Hours | 0 | 10,000 | 20,000 | 25,000 | 35,000 | 50,000 | 60,000 | 75,000 | 100,000 |
|-----------------|----|--------|--------|--------|--------|--------|--------|--------|---------|
| LM Factor | 10 | .980 | .970 | .960 | .950 | .930 | .910 | .890 | .86 |

Electrical Load

| Drive Current (mA) | System Watts | Current (A) | | | | | |
|--------------------|------------------|-------------|------|------|------|------|------|
| | | 120 | 2082 | 40 | 2773 | 47 | 480 |
| 700 | 20W | 0.24 | 0.14 | 0.12 | 0.1- | - | - |
| | 30W ¹ | --- | --- | --- | --- | 0.09 | 0.07 |
| 700 | 40W | 0.44 | 0.27 | 0.23 | 0.20 | -- | -- |
| | 60W ¹ | --- | --- | --- | --- | 0.17 | 0.12 |

¹ Higher wattage is due to electrical losses from step-down transformer.

Emergency Battery Operation

The emergency battery backup (EMB option) is integral to the luminaire - no external housing required! This design provides reliable emergency operation while maintaining the aesthetics of the product.

The emergency battery will power the luminaire for a minimum duration of 90 minutes (maximum duration of three hours) from the time supply power is lost, per International Building Code Section 1006 and NFPA 101 Life Safety Code Section 7.9, provided luminaires are mounted at an appropriate height and illuminate an open space with no major obstructions.

The examples below show illuminance of 1 fc average and 0.1 fc minimum of the single-engine Type IV product in emergency mode.

