



DECO® | LIGHTING

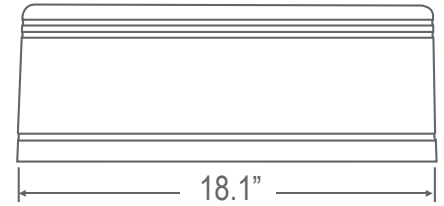
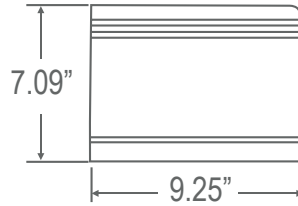
D440-LED

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-D-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 ^{3,5} (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

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

⁷ Only Available in Up/Down for 60W and 80W models

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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Rev Date: 1/3/17 #4

Digitize your light.®

Features

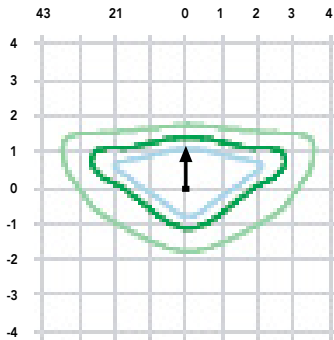
- UL 1598 listed for wet locations.
- Heavy duty two-piece die-cast aluminum powder coated construction.
- Heat and impact resistant tempered glass lens.
- Dark bronze housing color.
- Silicone rubber included to prevent any leakage from the outside.
- One piece anodized aluminum designed reflector for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

efficiency.

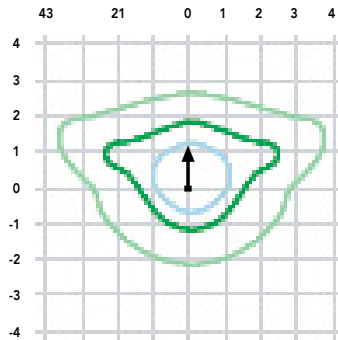
- Fully gasketed lens assembly seals out external contaminants.
- Approx. Weight: 14 lbs
- Standard color is bronze; also available in black and white. Contact factory for custom finishes.

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:	0°-60°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.

