

LED Cylinder 6"

CY6 Series | Pendant & Surface & Wall Mount Round Downlights



Introducing the 6inch Architectural LED Cylinder, where high performance meets elegant design. Engineered to deliver soft, uniform illumination that brings rhythm and elegance to any ceiling, it is the ideal solution for offices, hotels, and restaurants. Its modular design offers limitless possibilities, supported by a comprehensive suite of options in finishes, trims, optics, beam angles, dimming, and mounting-providing unparalleled flexibility to elevate any commercial or institutional space.

Feature

- Fully modular cylinder, configure over 10,000 possibilities
- Choose from a wide range of beam angles: 15°, 24°, 36°, 60° or 100°
- Available in COB LED 80+ or 90+ CRI for exceptional color fidelity
- Anti-glare trim and diffuser options
- Compatible with 0-10V (1% or 10%) and TRIAC dimming
- Versatile mounting with cable pendant, stem pendant, surface or wall mount



PERFORMANCE

Wattage Selectable	2700K		3000K		3500K		4000K	
	Ra>80	Ra>90	Ra>80	Ra>90	Ra>80	Ra>90	Ra>80	Ra>90
40w/30w/20w	4000lm 100lm/w	3400lm 85lm/w	4200lm 105lm/w	3560lm 89lm/w	4320lm 108lm/w	3640lm 91lm/w	4400lm 110lm/w	3720lm 93lm/w

Correlated Trim Color Multiplier	Black Trim	Gold Trim	Chrome Trim
Multiplier for Lumen Output	0.92	0.97	0.94

Apply to maximum wattage with white trim and 60° beam angle only in table above to approximate output at other trim colors.



LED Cylinder 6"

CY6 Series | Pendant & Surface & Wall Mount Round Downlights

PRODUCT ORDERING GUIDE

Example: CY6R-WH-4400L-D10-8040-M-AW-PC02-RJ

CY	6	R		4400L						
Product Family	Product Size	Product Shape	Finish	Lumen Output	Dimming Options	CRI Options	LED Color Options	Beam Options	Trim Options	Mounting
CY LED Cylinder Series	6 QuickShip 6inch, Wattage Selectable 40W/30W/20W	R QuickShip Round	WH White QuickShip BL Black QuickShip CM Custom Colors* Make to Order	4400L QuickShip Up to 40W, 4400LM ▲ It is subject to 40W, 4000K, 80+ CRI, 60° beam angle with white trim.	D10 QuickShip 0-10V (Dims to 10%) ▲ It is field-adjustable wattage. D01 QuickShip 0-10V, (Dim to 1%) Or TRIAC Dimming ▲ It is programmable and available in 30W and 40W ONLY. The wattage is factory-set and not field-adjustable.	80 QuickShip 80+ CRI 90 QuickShip 90+ CRI	27 QuickShip 2700K COB 30 QuickShip 3000K COB 35 QuickShip 3500K COB 40 QuickShip 4000K COB	N QuickShip Narrow Beam, 15° M QuickShip Medium Beam, 24° W QuickShip Wide Beam, 36° F QuickShip Flood Beam, 60° D QuickShip Diffuser, 100°	AW White Trim QuickShip   AB Black Trim QuickShip   AG Gold Trim QuickShip   AC Chrome Trim QuickShip  	PC QuickShip Pendant Cable PS QuickShip Pendant Rigid Stem SM QuickShip Surface WM Make to Order Wall Mount*

Cable / Stem Length	Ceiling Type	Optic Media(Optional)	Emergency Function(Optional)
02 QuickShip 2' Nominal Length 04 QuickShip 4' Nominal Length 08 QuickShip 8' Nominal Length 12 QuickShip 12' Nominal Length	RJ QuickShip Pendant With Flat Canopy Style For Recessed J-Box  SJ QuickShip Pendant With Conduit Cutout Deep Canopy Style For Surface Mounted 4" Octagonal Junction Box.  * The color of canopy, cable and stem are the same as the finish unless otherwise specified.	{Blank} QuickShip None HB QuickShip Honeycomb (Only for anti-glare trim) 	{Blank} QuickShip None EME QuickShip Emergency Optional high voltage 16W emergency LED driver EM-H16170-RBF can be provided. For more info or spec sheet, please visit our website or contact sales. LED Emergency Driver (External)  Indicator (Built-in Canopy) 

*Make to Order means additional cost and/or lead time on customized fixtures may apply. Some fixtures require an MOQ. Please contact your sales rep for more information.

LED Cylinder 6"

CY6 Series | Pendant & Surface & Wall Mount Round Downlights

STRUCTURE

» Finish

Constructed of rigid die cast aluminum. Powder coated polyester paint that comes standard in white and black.

» Optics

It was powered by high efficiency COB LED chip. 15° / 24° / 36° / 60° fixed beam and diffuser 100°. Cylinder beam spreads are interchangeable which can be easily swapped out in the field without tools.

» Electrical

LED Driver	It is powered by Class 2 high efficiency LED driver, with a standard 0-10V dimming which dims to 10%. Dim to 1% and TRIAC dimming are available.
THD	<20%
Power Factor	>0.9
Input Voltage	Standard electronic drivers are cULus recognized and available for 120-277V AC.
Environment	Environment damp rated for ambient operating temperature of -20°C to +40°C (-4° to +104°F)

» LED System

CRI	COB LED with a 80+ or 90+ CRI .
CCT	2700K,3000K, 3500K and 4000K with a great color consistency.
Thermal Management	Aluminum housing acting as the heat sink to maximize life.

» Listings

- cULus listed for damp locations
- Five-year warranty for parts and components. (Labor not included)

NOTES:

- Ambient temperatures at fixture location should not exceed 40°C during normal operation.
- For interior use only

» Dimmer Compatible

0-10V Dimming (Dim to 10%)

LEVITON DD710	LUTRON MS-Z101	LUTRON NTSTV-DV	LEGRAND RH4FBL3PTC	LUTRON DVSTV	LEVITON IP710
✓	✓	✓	✓	✓	✓

0-10V Dimming (Dim to 1%)

LEVITON DD710	LUTRON MS-Z101	LUTRON NTSTV-DV	LEGRAND RH4FBL3PTC	LUTRON DVSTV	LEVITON IP710
✓	✓	✓	✓	✓	✓

TRIAC Dimming

DV600P	DVCL-153P	6683	DV603P	6672	S-600P	MSCL-DP153M	S-603P
✓	✓	✓	✓	×	✓	✓	×

LG-600P	TGCL-153DH	SCL-153P	6674-LEVITON	CTCL-153P	CT-603PG
✓	×	✓	✓	✓	✓

» Mounting-Pendant

Cable Mount

White/black cable is provided in length specified (2' nominal, 4' nominal, 8' nominal or 12' nominal). Installers can cut the cable in the field to desired length.

Notes:

The power cable and aircraft cable are separated.

Pendant Stem Mount

Ø12/25" steel stem(M12X1 screw pitch) is provided in length specified (2' nominal, 4' nominal, 8' nominal or 12' nominal) and is provided in white or black finish.

» Canopy Options

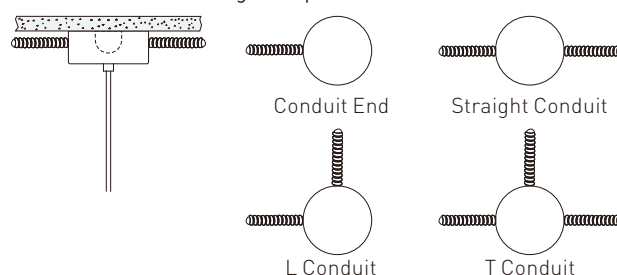
Flat Canopy For Recessed J-box

If J-box is recessed (3" octagon, 4" octagon and 4" round), a 4.5" flat canopy is provided for mounting to recessed junction box in white or black powder coat painted finish.

Conduit Cutout Deep Canopy For Surface Mount J-box

If standard 4" octagonal J-box is surface mounted, a Ø5.97" round x 2.38" deep canopy with conduit cutout is provided for mounting. Conduit cutout canopy has 4 key slots, one in each side, and can be configured to accommodate any ceiling layout using ½" or ¾" conduit. Conduit cutout canopy is provided white and black powder coat painted finish.

Conduit cutout mounting example



» Mounting - Surface

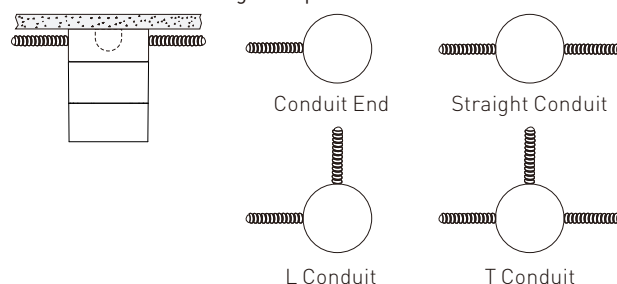
For Recessed J-box

If recessed J-box is existing (3" octagon, 4" octagon and 4" round), the cylinder can be mounted directly to recessed mounted junction box.

For Surface Mount J-box

If standard 4" octagonal J-box is surface mounted, a Ø5.97" round x 2.38" deep canopy with conduit cutout is provided for mounting. Conduit cutout canopy has 4 key slots, one in each side, and can be configured to accommodate any ceiling layout using ½" or ¾" conduit. Conduit cutout canopy is provided white and black powder coat painted finish.

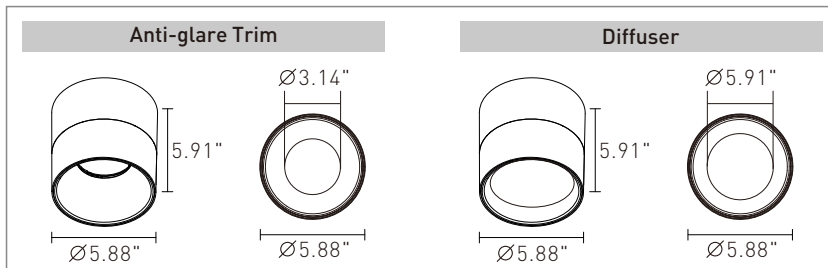
Conduit cutout mounting example



LED Cylinder 6"

CY6 Series | Pendant & Surface & Wall Mount Round Downlights

DIMENSIONS

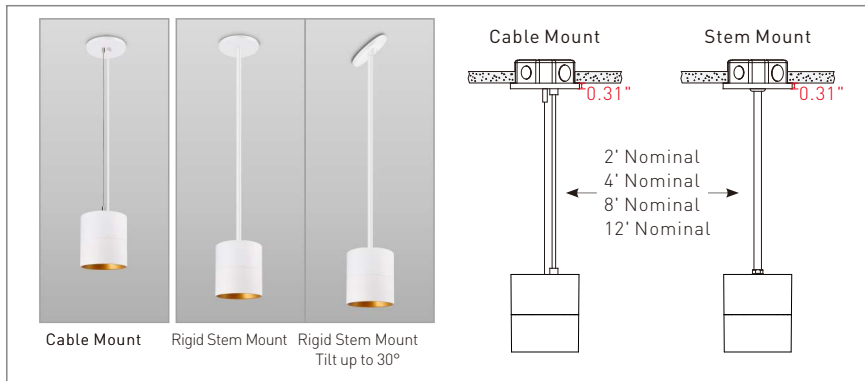


CONFIGURATION

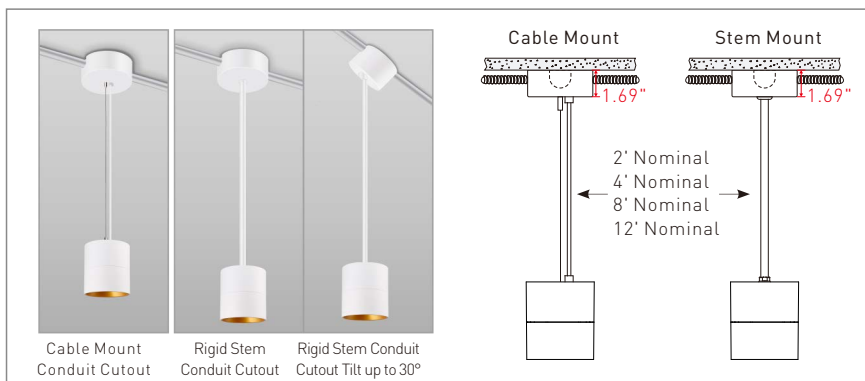


PENDANT OPTIONS

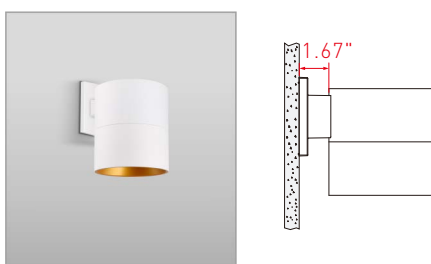
Pendant With Flat Canopy For Recessed J-Box



Pendant With Conduit Cutout Deep Canopy For Surface 4" Octagonal Junction Box

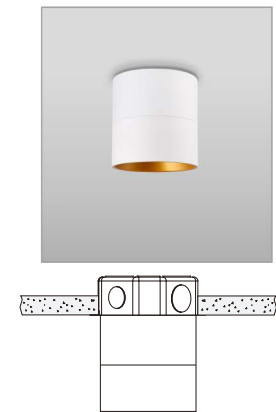


WALL MOUNT

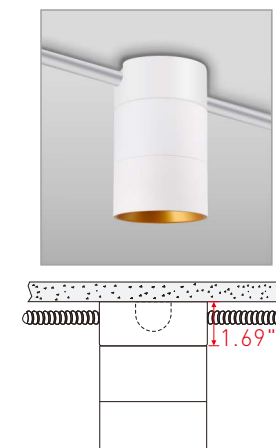


SURFACE OPTIONS

Surface Mount To Recessed Junction Box



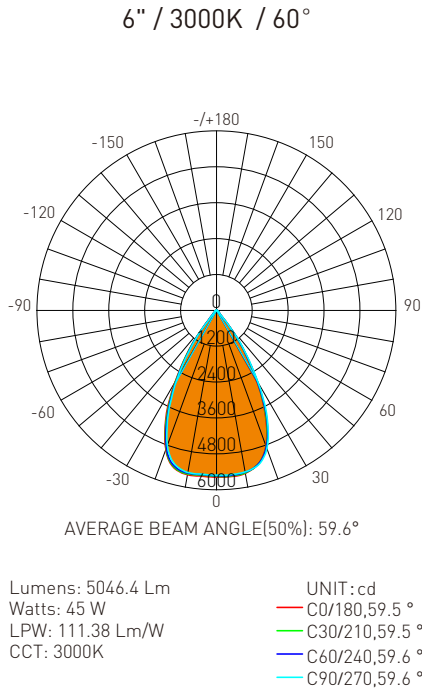
Surface Mount With Conduit Cutout For Surface Mounted 4" Octagonal Junction Box



LED Cylinder 6"

CY6 Series | Pendant & Surface & Wall Mount Round Downlights

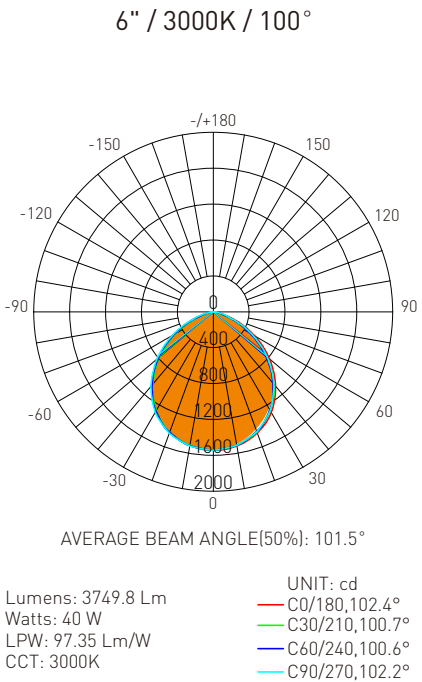
DISTRIBUTION DIAGRAM



Zonal Flux Diagram					
τ	C0	C45	C90	C135	C180
10	5529	5511	5486	5486	5576
20	4834	4887	4923	4940	4963
30	2643	2758	2803	2894	2818
40	433.5	487.4	508.0	551.8	472.2
50	100.6	104.4	102.4	105.5	99.85
60	72.33	72.16	70.84	70.56	71.23
70	44.46	45.15	44.15	44.05	43.76
80	18.19	18.90	17.92	18.39	18.56
90	0.1782	0.1447	0.1496	0.1447	0.1447
100	0.1727	0.1868	0.1494	0.1821	0.1729
110	0.2565	0.2615	0.2147	0.2568	0.2569
120	0.3688	0.3923	0.3823	0.3596	0.3737
130	1.082	1.047	0.9929	0.9770	1.080
140	3.232	3.112	3.031	2.920	3.318
150	6.392	6.202	6.089	5.889	6.530
160	9.529	9.302	9.245	9.017	9.601
170	12.21	12.07	11.91	11.77	12.11
180	13.29	13.37	13.15	13.16	13.31
DEG	LUMINOUS INTENSITY:cd				

Zonal Lumens	
τ	φ total
0-10	526.3
10-20	2017
20-30	3780
30-40	4714
40-50	4863
50-60	4936
60-70	4993
70-80	5025
80-90	5033
90-100	5033
100-110	5033
110-120	5033
120-130	5034
130-140	5036
140-150	5039
150-160	5042
160-170	5045
170-180	5046
UNIT: lm	

Luminance cd/{m2}		
G(DEG)	C0/180	C90/270
85	5141	5059
80	6800	6703
75	7678	7640
70	8441	8382
65	9032	8906
60	9393	9200
55	9336	9072
50	10163	10349
45	14737	15549



Zonal Flux Diagram					
τ	C0	C45	C90	C135	C180
5	1537	1528	1526	1527	1534
10	1517	1506	1509	1505	1512
15	1483	1472	1465	1473	1476
20	1436	1417	1421	1417	1426
25	1374	1354	1346	1354	1362
30	1293	1266	1271	1270	1276
35	1193	1159	1161	1171	1173
40	1079	1043	1050	1064	1057
45	953.4	904.6	917.4	939.8	929.1
50	817.8	764.3	784.5	816.4	791.8
55	675.8	612.1	638.3	674.2	646.9
60	528.2	461.9	492.1	533.7	498.4
65	379.0	314.3	347.4	385.5	350.1
70	233.9	184.3	202.8	247.6	210.0
75	112.0	78.24	124.1	122.7	94.23
80	49.48	40.66	45.51	64.07	44.76
85	21.40	18.89	25.06	26.43	17.63
90	1.168	6.016	4.618	2.611	3.324
DEG	LUMINOUS INTENSITY:cd				

Zonal Lumens	
τ	φ total
0-5	36.70
5-10	145.4
10-15	322.6
15-20	561.7
20-25	854.2
25-30	1188
30-35	1550
35-40	1924
40-45	2295
45-50	2646
50-55	2963
55-60	3233
60-65	3446
65-70	3594
70-75	3680
75-80	3724
80-85	3743
85-90	3750
UNIT: lm	

Luminance cd/{m2}		
G(DEG)	C0/180	C90/270
85	13641	15976
80	15830	14560
75	24051	26646
70	37991	32936
65	49822	45673
60	58686	54679
55	65458	61824
50	70682	67802
45	74903	72077