

LED Cylinder 8"

CY8 Series | Pendant & Surface & Wall Mount Round Downlights



Introducing the 8-inch Architectural LED Cylinder, where elegant design meets high-performance illumination. Delivering up to 5500 lumens of soft, uniform light, it brings rhythm and elegance to ceilings, making it the ideal solution for offices, hotels, and restaurants. Its modular design offers limitless possibilities, complete with a comprehensive suite of options for finishes, trims, optics, beam angles, dimming, and mounting-delivering the unparalleled flexibility needed 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°
- Available in COB LED 80+ or 90+ CRI for exceptional color fidelity
- Compatible with 0-10V (1% or 10%) and TRIAC dimming
- Versatile mounting with cable pendant, stem pendant, surface or wall mount



PERFORMANCE

Wattage Options	2700K		3000K		3500K		4000K	
	Ra>80	Ra>90	Ra>80	Ra>90	Ra>80	Ra>90	Ra>80	Ra>90
58w/45w/30w	4930lm 85lm/w	4176lm 72lm/w	5220lm 90lm/w	4408lm 76lm/w	5394lm 93lm/w	4524lm 78lm/w	5510lm 95lm/w	4640lm 80lm/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.

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PRODUCT ORDERING GUIDE

Example: CY8R-WH-5500L-D10-8040-M-AW-PC02-RJ

CY	8	R		5500L						
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	8 QuickShip 8inch, Wattage Selectable 58W/45W/30W	R QuickShip Round	WH White QuickShip BL Black QuickShip CM Custom Colors* Make to Order	5500L QuickShip Up to 58W, 5500LM ▲ It is subject to 58W, 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 driver. 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°	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 QuickShip Wall Mount

Cable / Stem Length (Pendant Only)	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.

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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 spread options. Cylinder beamsreads 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

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

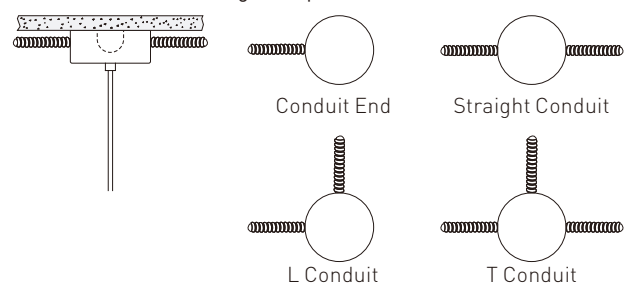
Flat Canopy For Recessed J-box

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 Options

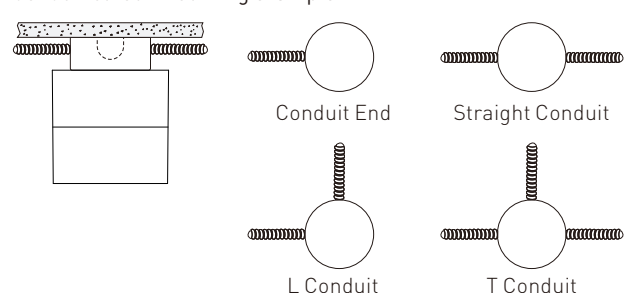
For Recessed J-box

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.

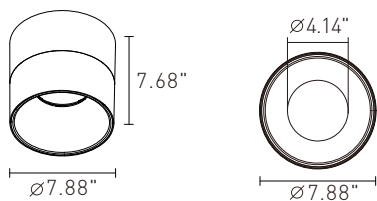
Conduit cutout mounting example



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DIMENSIONS

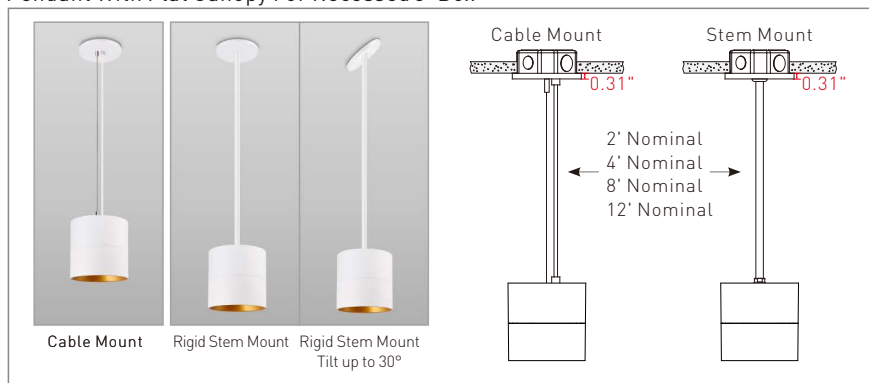


CONFIGURATION

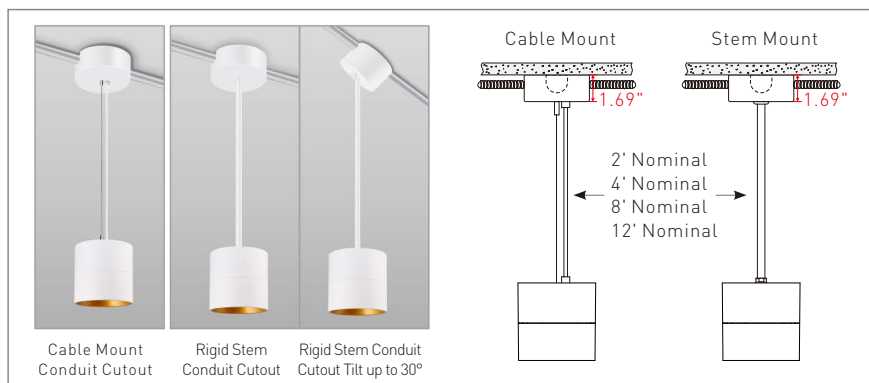


PENDANT OPTIONS

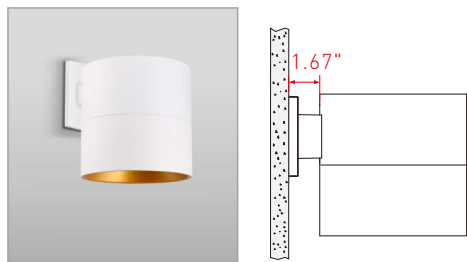
Pendant With Flat Canopy For Recessed J-Box



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

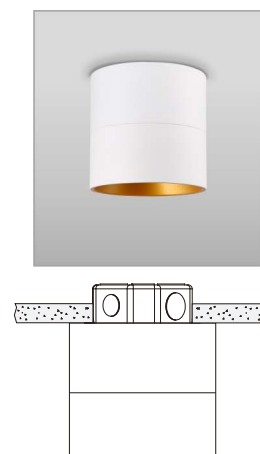


WALL MOUNT

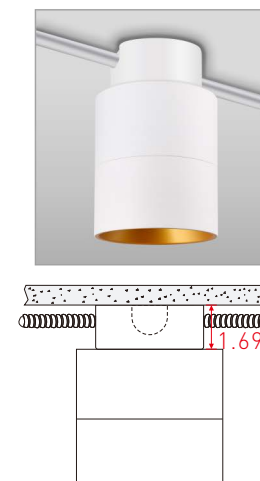


SURFACE OPTIONS

Surface Mount To Recessed Junction Box



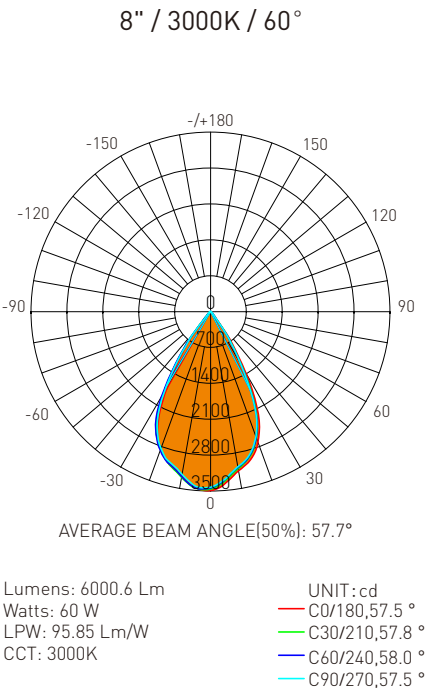
Surface Mount With Conduit Cutout For Surface Mounted 4" Octagonal Junction Box



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DISTRIBUTION DIAGRAM



Zonal Flux Diagram					
τ	C0	C45	C90	C135	C180
10	6752	6641	6582	6635	6997
20	5798	5610	5550	5774	6119
30	2943	2631	2544	3088	3598
40	323.2	281.4	268.1	369.4	569.4
50	101.4	92.02	90.41	103.3	137.4
60	66.11	63.45	62.41	64.37	68.46
70	40.56	38.05	37.37	39.94	43.13
80	16.48	14.58	14.33	16.84	19.29
90	0.1635	0.1495	0.1728	0.1494	0.6340
100	0.1633	0.2008	0.1867	0.1961	0.1821
110	0.2426	0.2895	0.2613	0.2755	0.2615
120	0.4150	0.4624	0.4521	0.4110	0.3877
130	1.310	1.501	1.445	1.183	1.038
140	4.020	4.396	4.323	3.738	3.636
150	7.830	3.274	2.851	2.718	3.120
160	11.69	12.09	12.00	11.29	11.30
170	15.06	15.17	14.99	14.64	14.78
180	16.06	16.06	15.84	15.86	16.12
DEG	LUMINOUS INTENSITY:cd				

Zonal Lumens	
τ	φ total
0-10	670.6
10-20	2462
20-30	4629
30-40	5655
40-50	5820
50-60	5892
60-70	5945
70-80	5976
80-90	5984
90-100	5985
100-110	5985
110-120	5985
120-130	5986
130-140	5988
140-150	5991
150-160	5995
160-170	5999
170-180	6001
UNIT: lm	

Luminance cd/(m2)		
G(DEG)	C0/180	C90/270
85	2815	2099
80	3569	3101
75	4060	3666
70	4458	4108
65	4761	4451
60	4970	4692
55	5058	4836
50	5932	5288
45	9205	8235