



CLMM-4-O

4" Architectural LED Cylinder



Introducing Paraflex 4-inch Architectural LED Cylinders, where performance meets elegance in a sleek form. Modular by design and unlimited in possibility, they offer a complete suite of finishes, trims, optics, beam, LED, dimming and mounting options. Designed to bring rhythm and elegance to ceilings with their soft, uniform light, these cylinders are the ideal solution for offices, hotels, restaurants, and residences-elevating any commercial or institutional space with unparalleled flexibility.

Feature

- Fully modular cylinder, configure over 10,000 possibilities
- Choose from a wide range of beam angles: 15°, 24°, 36°, 60°, 70° or 100°
- Available in COB LED 80+ or 90+ CRI for exceptional color fidelity
- Options for anti-glare trim, diffuser, drop lens, or a 12inch regressed trim
- 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
25w/18w/12w	2250lm 90lm/w	1900lm 76lm/w	2375lm 95lm/w	2000lm 80lm/w	2450lm 98lm/w	2050lm 82lm/w	2500lm 100lm/w	2100lm 84lm/w

Apply to 25w with white trim and 60° beam angle only in table above to approximate output at other trim colors.

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





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PRODUCT ORDERING GUIDE

Example: CLMM-4-O-WH-2500L-D10-8040-M-AW-PC02-RJ

CLMM-4-O		2500L						
Product Model	Finish	Lumen Output	Dimming Options	CRI Options	LED Color Options	Beam Options	Trim Options	Mounting
CLMM-4-O Architectural LED cylinder, 4" aperture, round. Wattage selectable 25W/18W/12W	WH White BL Black CM Custom Colors* <i>Make to Order</i>	2500L Up to 25W, 2500LM ▲ It is subject to 25W, 4000K, 80+ CRI, 60° beam angle with white trim.	D10 0-10V (Dims to 10%) ▲ It is field-adjustable wattage. D01 0-10V, (Dim to 1%) Or TRIAC Dimming ▲ It is programmable driver. The wattage is factory-set and not field-adjustable.	80 80+ CRI 90 90+ CRI	27 2700K COB 30 3000K COB 35 3500K COB 40 4000K COB	N Narrow Beam, 15° M Medium Beam, 24° W Wide Beam, 36° F Flood Beam, 60° D Diffuser, 100° R Drop lens, 70°	Anti-glare Trim AW White Trim AB Black Trim AG Gold Trim AC Chrome Trim RB 12" Regress Trim Black RW 12" Regress Trim White Diffuser Trim DW White Trim DB Black Trim DG Gold Trim DC Chrome Trim Drop Lens DL 1inch thickness drop lens	PC Pendant Cable PS Pendant Rigid Stem SM Surface WM <i>Make to Order</i> Wall Mount*

Cable / Stem Length (Pendant Only)	Ceiling Type	Optic Media(Optional)	Emergency Function(Optional)
02 2' Nominal Length 04 4' Nominal Length 08 8' Nominal Length 12 12' Nominal Length	RJ Pendant With Flat Canopy Style For Recessed J-Box  SJ 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} None HB Honeycomb (Only for 15°~60° beam anti-glare trim) 	{Blank} None EME 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.



CLMM-4-O

4" Architectural LED Cylinder

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 with 15° / 24° / 36° / 60° fixed beam, drop lens 70° or 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
✗	4% below	✓	✓	✓	✓

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 power 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.

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

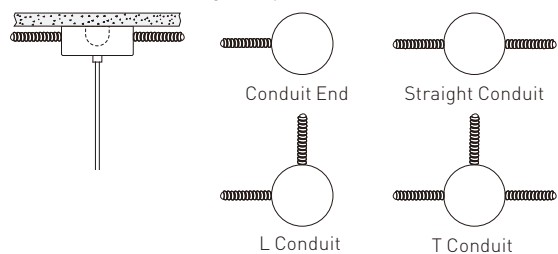
Flat Canopy For Recessed J-box

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

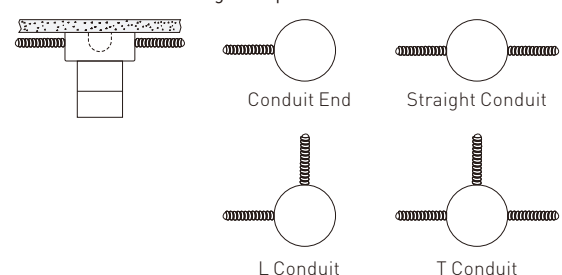
For Recessed J-box

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

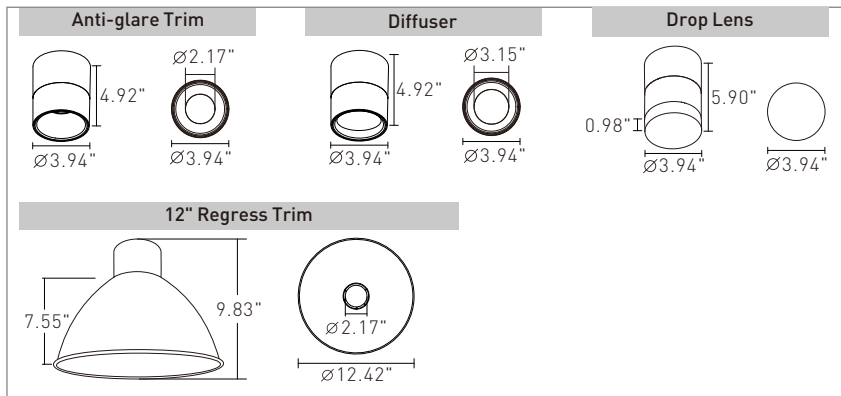




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4" Architectural LED Cylinder

DIMENSIONS

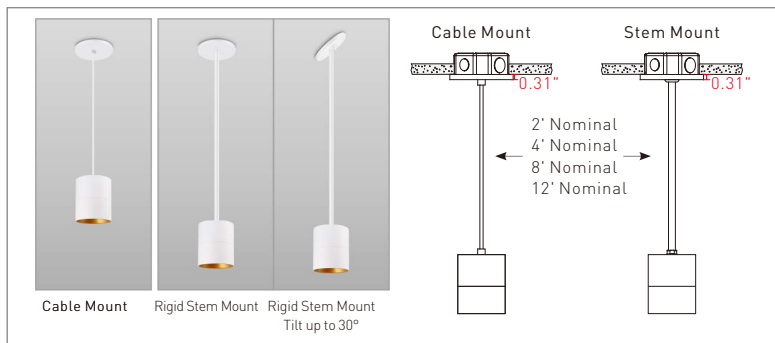


CONFIGURATION

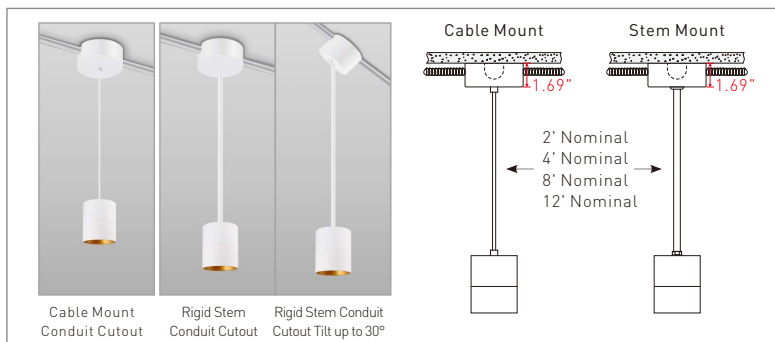


PENDANT OPTIONS

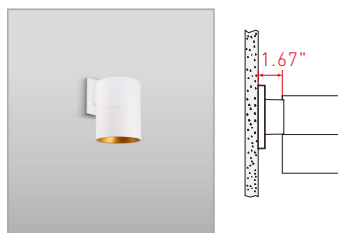
Pendant With Flat Canopy For Recessed J-Box



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



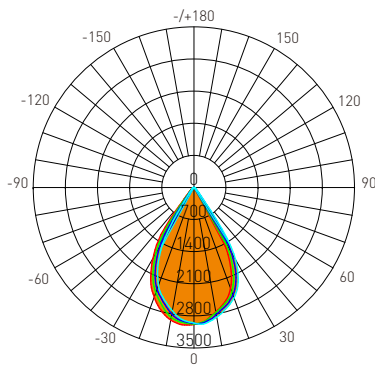


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4" Architectural LED Cylinder

DISTRIBUTION DIAGRAM

4" / 3000K / 60°



AVERAGE BEAM ANGLE(50%): 61.0°

Lumens: 2612.6 Lm
Watts: 25 W
LPW: 103.94 Lm/W
CCT: 3000K

UNIT: cd
— C0/180,61.0°
— C30/210,61.1°
— C60/240,61.1°
— C90/270,60.7°

Zonal Flux Diagram

T	C0	C45	C90	C135	C180
10	2751	2786	2868	2917	2931
20	2335	2466	2558	2593	2538
30	1094	1535	1818	1905	1800
40	155.1	194.4	245.3	438.2	400.3
50	62.68	63.03	65.58	79.00	102.6
60	44.26	44.48	45.54	54.19	62.64
70	23.80	23.01	22.92	28.39	34.03
80	2.913	5.007	6.675	7.312	11.58
90	0.1544	0.1118	0.3414	0.4778	0.2661
100	0.0980	0.1167	0.1027	0.1260	0.1499
110	0.1725	0.2939	0.8678	0.2707	0.6863
120	0.3081	0.3082	0.3596	0.3502	0.7190
130	0.8022	0.6450	0.4290	0.4484	0.8034
140	2.066	1.785	1.408	1.243	1.589
150	3.714	3.274	2.851	2.718	3.120
160	5.316	4.917	4.461	4.184	4.698
170	6.381	6.205	6.044	5.930	6.233
180	6.788	6.806	6.652	6.657	6.797
DEG	LUMINOUS INTENSITY:cd				

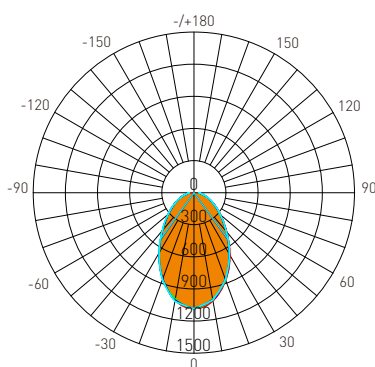
Zonal Lumens

T	Φ total
0-10	275.7
10-20	1016
20-30	1941
30-40	2403
40-50	2499
50-60	2552
60-70	2587
70-80	2603
80-90	2605
90-100	2605
100-110	2605
110-120	2606
120-130	2606
130-140	2607
140-150	2609
150-160	2610
160-170	2612
170-180	2613
DEG	UNIT: lm

Luminance cd/(m2)

G(DEG)	C0/180	C90/270
85	2079	6732
80	2892	6628
75	8458	9206
70	11997	11556
65	13945	13764
60	15263	15703
55	16203	17152
50	16813	17592
45	17695	27503

4" / 3000K / 70°



AVERAGE BEAM ANGLE(50%): 71.6°

Lumens: 1942.4 Lm
Watts: 25 W
LPW: 79.52 Lm/W
CCT: 3000K

UNIT: cd
— C0/180,71.9°
— C30/210,71.3°
— C60/240,71.4°
— C90/270,71.9°

Zonal Flux Diagram

T	C0	C45	C90	C135	C180
5	1071	1054	1050	1052	1068
10	1025	1010	1018	1004	1018
15	954.7	947.8	939.2	939.3	943.1
20	869.0	855.9	860.3	846.4	854.4
25	774.3	762.4	761.5	752.4	754.6
30	673.2	660.7	662.6	652.6	649.2
35	571.3	557.7	564.7	553.7	548.1
40	477.4	464.8	466.8	465.7	458.2
45	396.6	386.8	393.8	389.3	382.0
50	328.6	318.8	320.8	322.9	318.2
55	270.4	262.2	267.8	268.2	263.2
60	220.1	212.7	214.9	219.3	215.7
65	177.6	171.2	175.7	177.6	174.3
70	140.3	134.6	136.5	140.3	136.6
75	107.6	102.6	106.9	107.1	104.3
80	79.64	77.06	77.38	79.92	76.31
85	56.23	58.08	61.33	58.27	53.51
90	40.50	46.57	45.27	42.81	18.90
DEG	LUMINOUS INTENSITY:cd				

Zonal Lumens

T	Φ total
0-5	25.51
5-10	99.56
10-15	215.6
15-20	363.6
20-25	532.8
25-30	711.5
30-35	889.6
35-40	1059
40-45	1217
45-50	1359
50-55	1486
55-60	1597
60-65	1691
65-70	1769
70-75	1832
75-80	1880
80-85	1916
85-90	1942
DEG	UNIT: lm

Luminance cd/(m2)

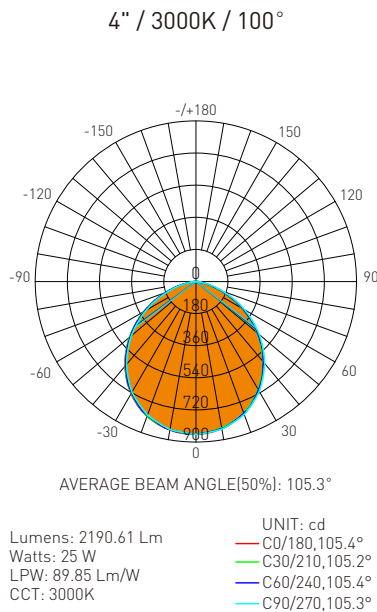
G(DEG)	C0/180	C90/270
85	79645	86868
80	56618	55013
75	51348	51006
70	50650	49266
65	51872	51321
60	54350	53057
55	58192	57645
50	63105	61605
45	69244	68755



CLMM-4-O

4" Architectural LED Cylinder

DISTRIBUTION DIAGRAM



Zonal Flux Diagram					
T	C0	C45	C90	C135	C180
5	850.2	847.0	847.9	849.9	854.3
10	836.7	833.7	839.6	839.9	844.7
15	815.1	814.4	816.1	824.0	827.5
20	785.8	782.9	792.5	795.2	802.5
25	747.9	747.1	751.8	762.2	769.4
30	700.8	700.2	711.0	718.5	726.8
35	646.5	644.9	654.9	666.6	675.9
40	585.7	586.3	598.7	611.2	618.3
45	519.8	519.1	531.1	544.8	554.7
50	448.8	451.5	463.6	478.0	486.1
55	374.9	375.1	388.5	403.6	413.1
60	297.8	299.4	313.3	329.5	337.1
65	218.6	221.4	235.7	251.1	260.0
70	142.9	146.8	158.0	174.8	182.5
75	72.97	75.83	94.31	101.2	107.8
80	22.73	35.94	30.62	48.84	44.19
85	7.240	12.76	17.05	15.48	15.27
90	0.8750	4.429	3.486	2.174	1.546
DEG	LUMINOUS INTENSITY:cd				

Zonal Lumens	
T	Φ total
0-5	20.37
5-10	80.73
10-15	179.0
15-20	311.8
20-25	474.1
25-30	659.8
30-35	861.7
35-40	1072
40-45	1282
45-50	1484
50-55	1671
55-60	1835
60-65	1971
65-70	2073
70-75	2139
75-80	2174
80-85	2186
85-90	2191
UNIT: lm	

Luminance cd/(m2)		
G(DEG)	C0/180	C90/270
85	10255	24154
80	16158	21767
75	34808	44987
70	51589	57035
65	63844	68845
60	73527	77367
55	80684	83611
50	86202	89036
45	90759	92735

Disclaimer:

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