

Project Name: _____ Type: _____ Quantity: _____

INTENDED USE

Our advanced cylindrical LED downlight can be built for pendant, wall or ceiling surface mounting, making it an extremely versatile product. The pendant uplight option affords direct and indirect lighting from a single cylinder in diecast aluminum with no visible hardware in a sleek, symmetrical design. This light is available with lumen outputs ranging from 750 lm (10W) up to 3000 lm (40W). Though built for commercial-grade applications, with its many trim styles, this durable fixture is also used in residential installations.

PRODUCT FAMILY

12302-P	Pendant	12302-P-B	Pendant Beveled
12302-W	Wall	12302-P-S	Pendant Soft Halo
12302-S	Surface	12302-P-DLT	Pendant Tall Drop Lens
		12302-P-DLS	Pendant Short Drop Lens
		12302-P-TGS	Pendant Telescopic Glare Shield
		12302-P-DM	Pendant Half Moon Dome
		12302-P-DP	Pendant Pan Dome
		12302-P-DL	Pendant Tall & Short Drop Lens

FEATURES

Construction: Die-cast extruded aluminum body, acrylic drop lens options
Light Direction: Choose from fixed or adjustable
Optics: 15° / 25° / 40° fixed or adjustable beam spread options. 60° available only for fixed. Note that the only optic available for 4" 1000 lms downlight is 90° general ambient. Optics can be field changed on the adjustable model only
Pendant Mounting: 24" Cord (CM24) is standard. Other size cords and stems are available
Junction Box: Installs in most 3"/4" octagonal and 3"/4" round boxes
Voltage: 120-277V 50/60 Hz
CRI: 90+, 2-step SDCM
Life: 50,000 hours
Operating Temperature: -4°F to 104°F (-20°C to 40°C)
Power Factor: >.9
Total Harmonic Distortion: Less than 20%
Emergency: Mounted remote inverter (90 minutes)
Warranty: 5 years carefree for parts & components (labor not included) **Listings:** cULus listed, Energy star qualified, Title 24 JA8 compliant, Damp location rated is standard, IP54 rated for wet locations is optional



ORDERING INFORMATION Example: (12302-P-B-8-07L-27K-F25-CM24-BK-TRI-EM)

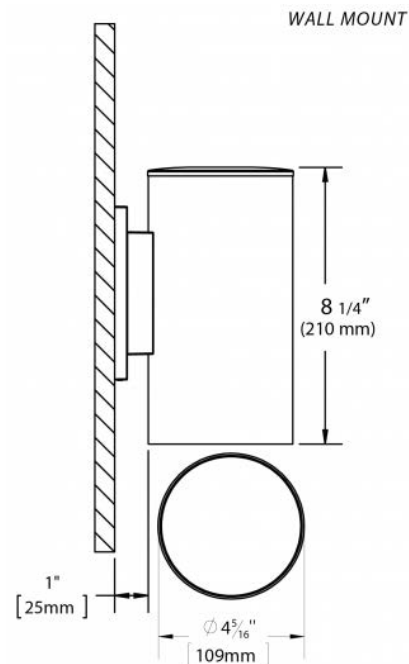
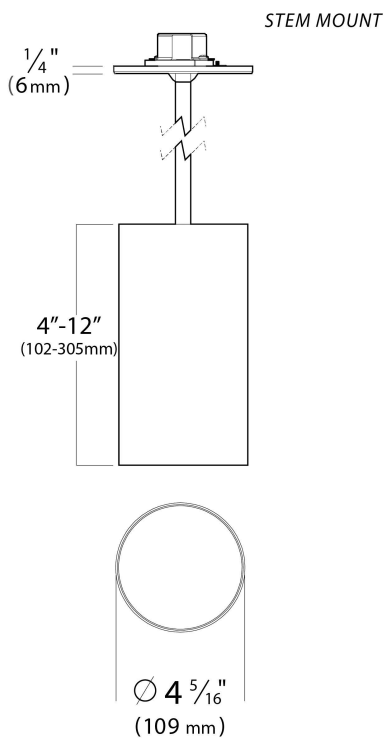
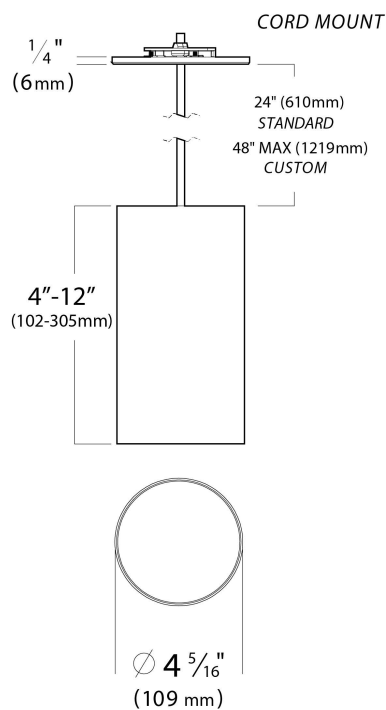
Model	Mounting	Trim	Size	Wattage Lumens	Color Temp	Optics	Pendant Mount ¹⁴	Finish	Driver	Options
12302	P ¹	B	4	Direct ↓	27K	F15	(Blank)	WH ^{Std}	TRI ^{Std}	EM ³
	Pendant	Beveled	4" Tall	07L	2700K	Fixed 15° Beam Spread	None Required	White	TRIAC/ELV	Emergency
	W ⁴	S	8	10.8W 750 lms	30K	F25	CM24 ¹	BK	O10	Remote
	Wall Mount	Soft Halo	8" Tall	10L ¹¹	3000K	Fixed 25° Beam Spread	24" Cord	Black	0-10V	Inverter
	S	DLT ^{6,13}	12	12.8W 1000 lms	35K	F40	ST24	BZ		WL ^{1,7,8}
	Surface	Tall 2-1/4" Drop Lens	12" Tall	12L ¹²	3500K	Fixed 40° Beam Spread	24" Stem	Bronze		Wet Location (IP54 Rated)
		DLS ^{6,13}		14W 1250 lms	40K	F60	CMXX ¹	SL		Outdoor Rated
		Short 1/4" Drop Lens		15L ³	4000K	Fixed 60° Beam Spread	Custom Cord Up to 156"	Silver		LV ⁵
		TGS		20L ³		F90 ⁶	STXX			Hex-Cell Louver
		Telescopic Glare Shield 1"		28 Watts 2000 lms		Fixed 90° Beam Spread	Custom Stem Up to 96"			JBC ¹⁵
				Direct & Indirect ↓↑		A15 ^{9,10}				J-Box Cover
				07/07L ⁴		Adjustable 15° Beam Spread				MG
				21.6W 750 lms ↓ / 750 lms ↑		A25 ^{9,10}				Marine Grade
				10/07L ^{4,11}		Adjustable 25° Beam Spread				
				23.6W 1000 lms ↓ / 750 lms ↑		A40 ^{9,10}				
				10/10L ^{4,11}		Adjustable 40° Beam Spread				
				25.6W 1000 lms ↓ / 1000 lms ↑						

¹ Wet Location option not available for cord pendant mount (applicable with wall, surface, and stem pendant mount)
² Not available for wall models
³ Only available for 8 and 12 inch models
⁴ Only Available for 8 and 12 inch models
⁵ Available only for adjustable optics
⁶ Available only for 750lm, 1000lm, 1500lm & 1250lm
⁷ Only applicable with Beveled and Tall 2-1/4" Drop Lens trims
⁸ Not applicable with Direct/Indirect lighting
⁹ Only available with 11W & 13W options
¹⁰ Only available with Beveled and Soft Halo trims
¹¹ Only available with F90, A15, A25 and A40 optics
¹² Not available with Adjustable optics
¹³ Only available with Fixed 90° Beam Spread
¹⁴ Minimum length for a cord/stem is 3"
¹⁵ J-Box Cover to match finish specified

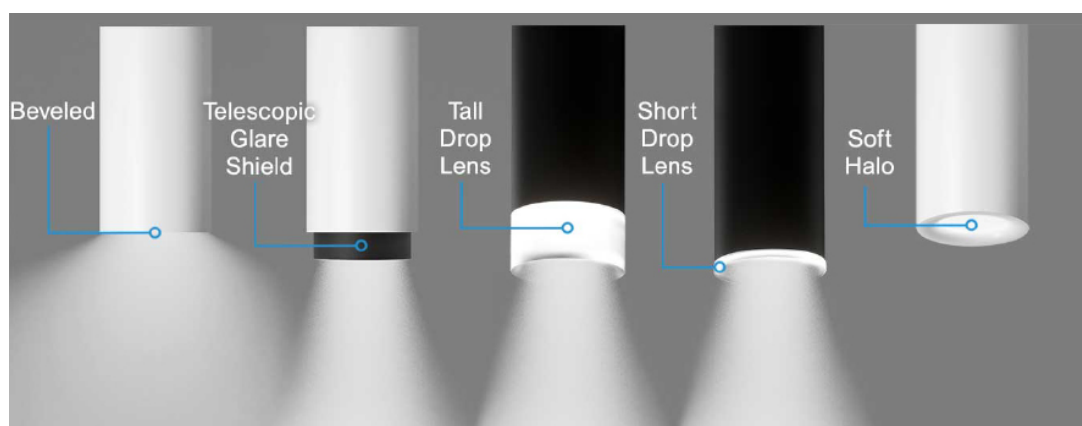
RECOMMENDED DIMMERS

Brand	Series	Model Number	750lm Max Load	1000lm Max Load
	Adorne	ADTP703TU	10	9
	Control 4	C4-APD120	25	20
	Decorator	DLC03P, DAL06P	35	30
	Caseta	PD-6WCL	12	10
	CL Series	AYCL-153, CTCL-153, DVCL-153, LGCL-513, SCL-153, TGCL-513	20	15
	CL Series	AYCL-253, DVCL-253	20	15
	Grafik Eye 3000	QSGR-3P	30	25
	Grafik Sys / Homeworks	RPM-4U	30	25
	Grafik Sys / Homeworks	RPM-4A	25	20
	Maestro CL	MACL-153M, MSCL- OP153M, MSCL-VP153M	12	10
	Maestro Wireless	MRF2-6ELV, MRF2-6CL	12	10

MOUNTING

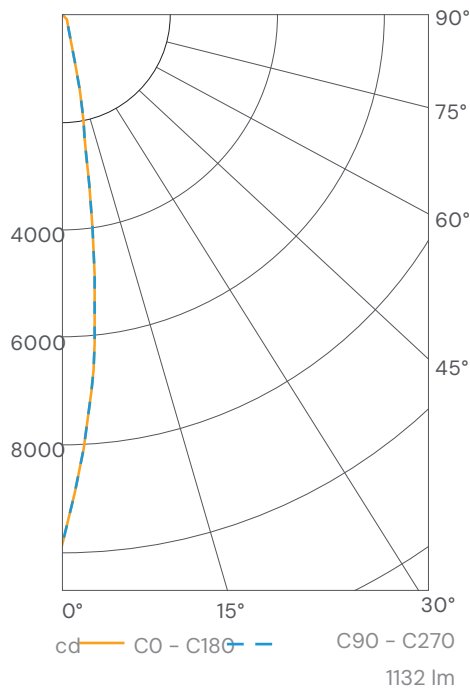


Junction Box Cover



PHOTOMETRY

12302 Fixed, 1000 lm, 3000K, Narrow Spot 12302-13W-30K-F15



Luminous Intensity

Gamma	C 0°
0°	9823
5°	6600
10°	2335
15°	734
20°	357
25°	244
30°	195
35°	159
40°	116
45°	85
50°	61
55°	42
60°	28
65°	16
70°	7
75°	4
80°	2
85°	1
90°	0

Values in candela

Zonal Lumen Summary

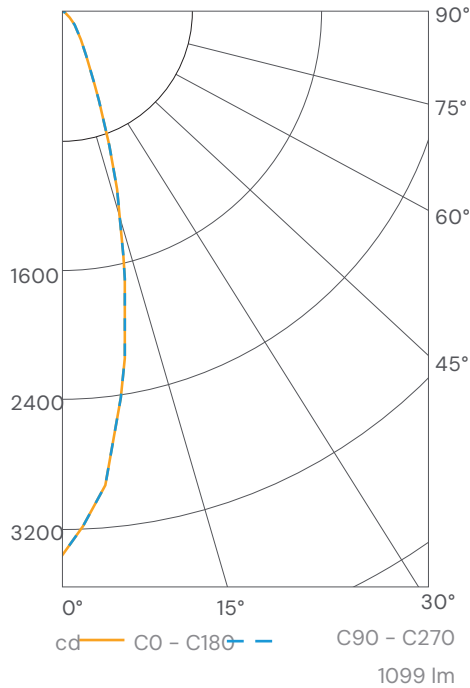
Zone	Lumens	Luminaire %
0-30	906	80
0-40	1004	89
0-60	1110	98
0-9	1131	100
0	1132	100

Illuminance Chart

Distance from LED	Foot Candles	Diameter
3'	1091	0.7'
6'	273	1.5'
9'	121	2.2'
12'	68	2.9'

Beam Angle: 14°

12302 Fixed, 1000 lm, 3000K, Spot 12302-13W-30K-F25



Luminous Intensity

Gamma	C 0°
0°	3366
5°	2967
10°	2203
15°	1391
20°	775
25°	419
30°	248
35°	167
40°	119
45°	87
50°	62
55°	43
60°	26
65°	15
70°	7
75°	4
80°	2
85°	1
90°	0

Values in candela

Zonal Lumen Summary

Zone	Lumens	Luminaire %
0-30	862	78
0-40	971	88
0-60	1078	98
0-9	1098	100
0	1099	100

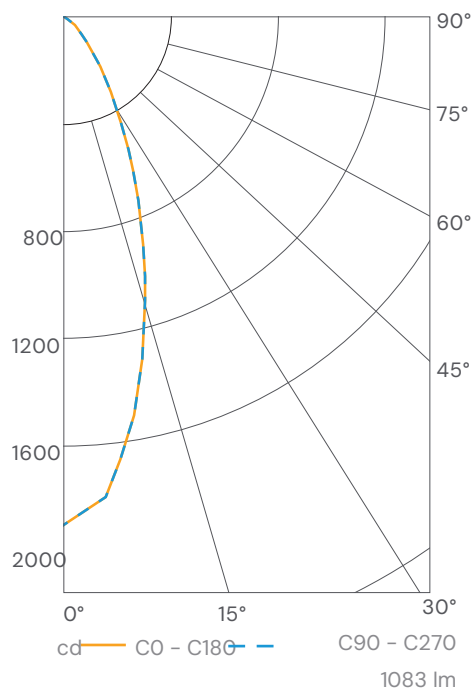
Illuminance Chart

Distance from LED	Foot Candles	Diameter
3'	374	1.4'
6'	93	2.8'
9'	42	4.2'
12'	23	5.6'

Beam Angle: 26°

12302 Fixed, 1000 lm, 3000K, Flood

12302-10L-30K-F40



Luminous Intensity

Gamma	C 0°
0°	1890
5°	1792
10°	1503
15°	1161
20°	849
25°	589
30°	391
35°	256
40°	162
45°	107
50°	74
55°	51
60°	30
65°	18
70°	8
75°	5
80°	3
85°	1
90°	0

Values in candela

Zonal Lumen Summary

Zone	Lumens	Luminaire %
0-30	760	70
0-40	925	85
0-60	1058	98
0-9	1081	100
0	1083	100

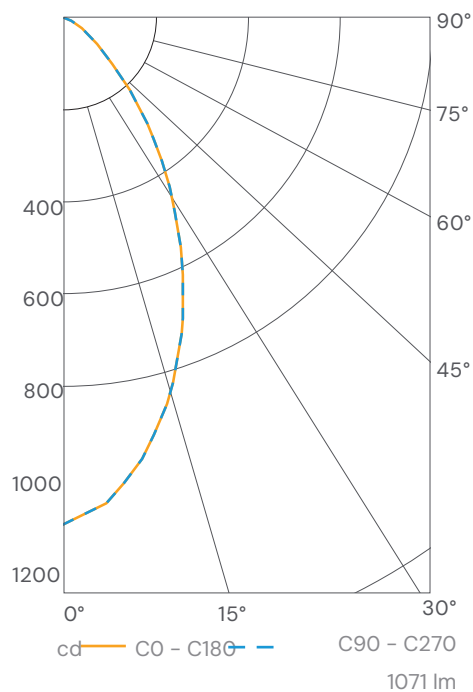
Illuminance Chart

Distance from LED	Foot Candles	Diameter
3'	210	2.0'
6'	52	4.0'
9'	23	6.0'
12'	13	8.0'

Beam Angle: 37°

12302 Fixed, 1000 lm, 3000K, Wide Flood

12302-10L-30K-F60



Luminous Intensity

Gamma	C 0°
0°	1100
5°	1058
10°	973
15°	866
20°	743
25°	609
30°	478
35°	361
40°	252
45°	161
50°	102
55°	68
60°	41
65°	24
70°	11
75°	6
80°	4
85°	2
90°	0

Values in candela

Zonal Lumen Summary

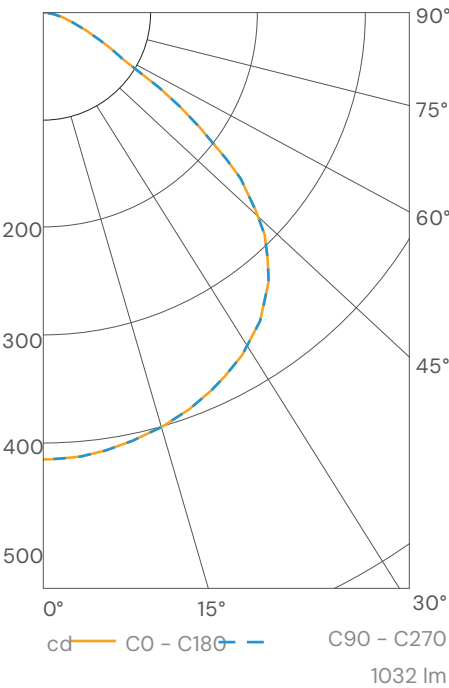
Zone	Lumens	Luminaire %
0-30	620	58
0-40	845	79
0-60	1037	97
0-9	1069	100
0	1071	100

Illuminance Chart

Distance from LED	Foot Candles	Diameter
3'	122	3.1'
6'	31	6.2'
9'	14	9.3'
12'	8	12.3'

Beam Angle: 55°

12302 Fixed, 1000 lm, 3000K, General Ambient
12302-10L-30K-F90



Luminous Intensity

Gamma	C 0°
0°	416
5°	415
10°	410
15°	403
20°	394
25°	382
30°	369
35°	351
40°	327
45°	291
50°	240
55°	162
60°	84
65°	54
70°	33
75°	21
80°	12
85°	6
90°	1

Values in candela

Zonal Lumen Summary

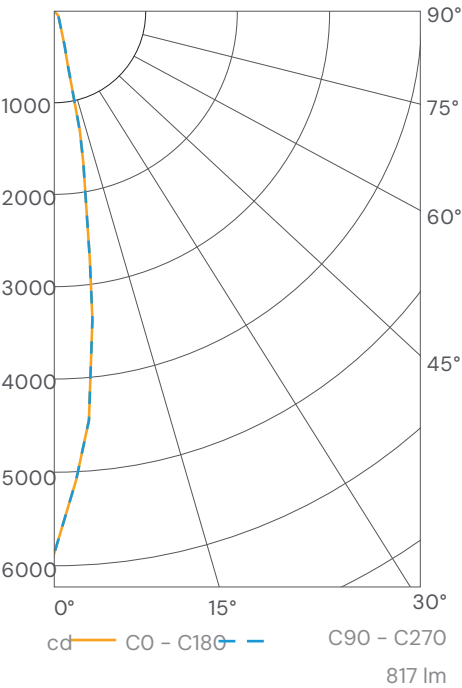
Zone	Lumens	Luminaire %
0-30	333	32
0-40	557	54
0-60	942	91
0-9	1024	99
0	1032	100

Illuminance Chart

Distance from LED	Foot Candles	Diameter
3'	46	7.8'
6'	12	15.5'
9'	5	23.3'
12'	3	31.1'

Beam Angle: 100°

12302 Adjustable, 750 lm, 3000K, Narrow Spot
12302-07L-30K-F15



Luminous Intensity

Gamma	C 0°
0°	5897
5°	4418
10°	1911
15°	561
20°	280
25°	165
30°	117
35°	87
40°	69
45°	57
50°	47
55°	38
60°	31
65°	23
70°	16
75°	10
80°	4
85°	1
90°	0

Values in candela

Zonal Lumen Summary

Zone	Lumens	Luminaire %
0-30	645	79
0-40	701	86
0-60	781	96
0-9	817	100
0	817	100

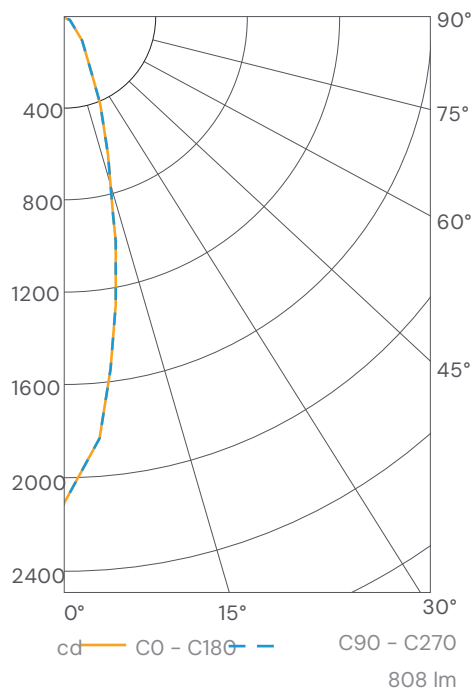
Illuminance Chart

Distance from LED	Foot Candles	Diameter
3'	655	0.8'
6'	164	1.7'
9'	73	2.5'
12'	41	3.3'

Beam Angle: 16°

12302 Adjustable, 750 lm, 3000K, Spot

12302-07L-30K-F25



Luminous Intensity

Gamma	C 0°
0°	2105
5°	1826
10°	1282
15°	800
20°	497
25°	310
30°	201
35°	137
40°	98
45°	73
50°	57
55°	45
60°	35
65°	23
70°	12
75°	5
80°	3
85°	2
90°	0

Values in candela

Zonal Lumen Summary

Zone	Lumens	Luminaire %
0-30	573	71
0-40	668	83
0-60	773	96
0-9	808	100
0	808	100

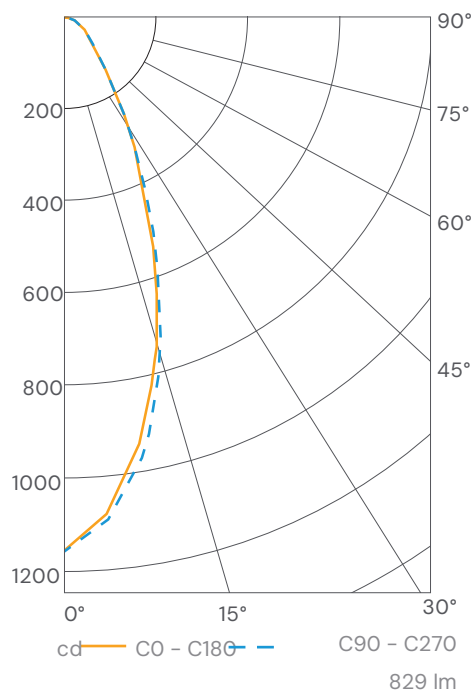
Illuminance Chart

Distance from LED	Foot Candles	Diameter
3'	234	1.3'
6'	58	2.6'
9'	26	3.9'
12'	15	5.2'

Beam Angle: 28°

12302 Adjustable, 750 lm, 3000K, Narrow Spot

12302-07L-30K-F40



Luminous Intensity

Gamma	C 0°
0°	1158
5°	1081
10°	941
15°	765
20°	576
25°	414
30°	288
35°	192
40°	130
45°	96
50°	76
55°	61
60°	49
65°	38
70°	28
75°	18
80°	10
85°	4
90°	0

Values in candela

Zonal Lumen Summary

Zone	Lumens	Luminaire %
0-30	510	62
0-40	633	76
0-60	766	92
0-9	829	100
0	829	100

Illuminance Chart

Distance from LED	Foot Candles	Diameter
3'	129	2.2'
6'	32	4.5'
9'	14	6.7'
12'	8	9.0'

Beam Angle: 41°

COLOR TEMPERATURE GUIDE

