

FIXTURE SPECIFICATIONS

INTENDED USE

Our advanced cylindrical LED downlight can be built for pendant, wall or ceiling surface mounting, making it an extremely versatile product. This light is available with lumen outputs ranging from 750 lm (10W) up to 2000 lm (28W). 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-DM	Pendant Half Moon Dome
12302-W	Wall	12302-P-DP	Pendant Pan Dome
12302-S	Surface	12302-P-DL	Pendant Tall & Short Drop Lens
		12302-P-TGS	Pendant Telescopic Glare Shield

DETAILS

Construction: Die-cast extruded aluminum body

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)

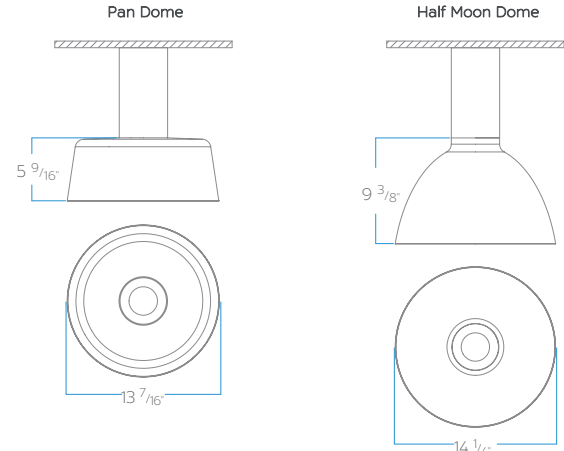
Power Factor: >.9

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



Alcon Lighting 12302 Architectural LED Pendant Dome Light

ORDERING INFORMATION Example: (12302-P-B-8-11W-27K-F25-CM24-BK-SL)

Model	Trim	Size	Wattage Lumens	Temp	Optics	Pendant Mount	Finish	Reflector	Driver	Options
12302-P Pendant Mount Dome	DM Half Moon Dome	4	Direct ↓	27K	F15	CM24 ³	WH ^{Std}	SL	TRI ^{Std}	EM ¹
		4" Tall	11W	2700K	Fixed 15° Beam Spread	24" Cord	White	Silver	TRIAC/ELV	Emergency Remote Inverter
	DP Pan Dome	8	10.8W 750 lms	30K	F25	ST24	BK	CH	010	WL ^{7,8,9} Wet Location (IP54 Rated) Outdoor Rated
		8" Tall	13W	3000K	Fixed 25° Beam Spread	24" Stem	Black	Champagne	0-10V	
	12	12" Tall	12.8W 1000 lms	35K	F40	CMXX ³	BZ	LHL ⁴	Lutrone	LV ⁵ Hex-Cell Louver
			20W ¹	3500K	Fixed 40° Beam Spread	Custom Cord Up to 48"	Bronze	Hi-Lume	1%	
			20W 1500 lms	40K	F60	STXX	SL	1%		
			28W ¹	4000K	Fixed 60° Beam Spread	Custom Stem Up to 96"	Silver			
			28 Watts 2000 lms	F90 ²	XXXX	Fixed 90° Beam Spread	Custom Specify XXXX: with RAL # found on Page 2			
			13/11W ⁶	A15	Adjustable 15° Beam Spread					
23.6W 1000 lms↔/750 lms↔	A25	Adjustable 25° Beam Spread								
13/13W ⁶	A40	Adjustable 40° Beam Spread								
25.6W 1000 lms↔/1000 lms↔										


¹ Only available for 8 and 12 inch models with 0-10V dimming ² Available only for 4"; 1000 lm
³ Wet Location option not available for cord mount (applicable with stem mount)
⁴ Only Available for 8 and 12 inch models
⁵ Available only for adjustable optics
⁶ Available only 8" and 12"
⁷ Wet Location option not available for cord pendant mount (applicable with stem pendant mount)
⁸ Only applicable with Beveled and Tall 2-1/4" Drop Lens trims
⁹ Not applicable with Direct/indirect lighting
¹⁰ J-Box Cover to match finish specified

JUNCTION BOX COVER





AVAILABLE CUSTOM FINISHES




Metropolitan

	08	Urban Native	RAL #8025
	09	Military Green	RAL #6011
	10	Carmin	RAL #8028
	11	Chocolate Spice	RAL #8017
	12	Asher Grey	RAL #7004
	13	Tech Grey	RAL #7016
	14	Slate	RAL #7031
	15	Mason	RAL #7039

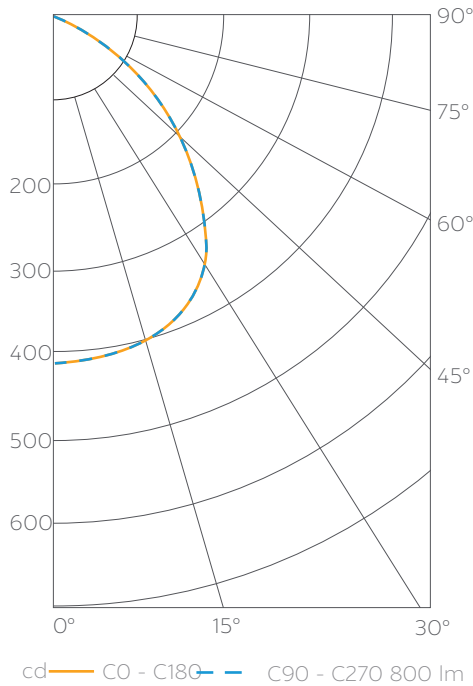
Vibrant

	16	Violet Dreams	RAL #4006
	17	Sangria Sunset	RAL #2004
	18	Deep Pink	RAL #4010
	19	Ruby Red	RAL #3027
	20	Island Skye	RAL #6027
	21	Sophia	RAL #5015
	22	Antique Spring	RAL #6019
	23	Daisy	RAL #1018
	24	Gun Metal	RAL #7024

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

12302 Cord Mount, Medium, 750 lm, 93 CRI, 3000K, White | [12302-8-750L-30K-CM24-WH](#)



Luminous Intensity

Gamma	C O°
0°	413
5°	411
10°	407
15°	401
20°	392
25°	378
30°	354
35°	315
40°	261
45°	195
50°	131
55°	86
60°	57
65°	37
70°	20
75°	10
80°	5
85°	2
90°	0

Values in candela

Zonal Lumen Summary

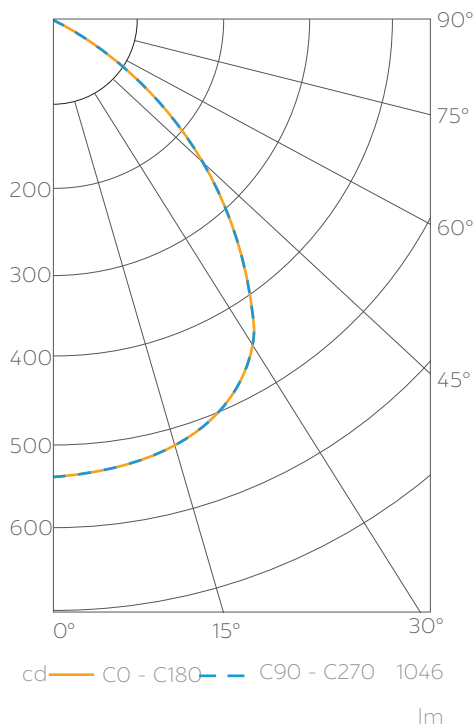
Zone	Lumens	Luminaire %
0-30	326	41
0-40	521	65
0-60	750	94
0-90	800	100
0-180	800	100

Illuminance Chart

Distance from LED	Foot Candles	Diameter
2.5'	66	4.9'
5.0'	17	9.7'
7.5'	7	14.5'
9.0'	5	17.4'

Beam Angle: 88°

12302 Cord Mount, Medium, 1000 lm, 93 CRI, 3000K, White | [12302-8-1000L-30K-CM24-WH](#)



Luminous Intensity

Gamma	C O°
0°	540
5°	537
10°	532
15°	523
20°	510
25°	492
30°	461
35°	411
40°	342
45°	256
50°	172
55°	113
60°	74
65°	48
70°	27
75°	13
80°	6
85°	2
90°	0

Values in candela

Zonal Lumen Summary

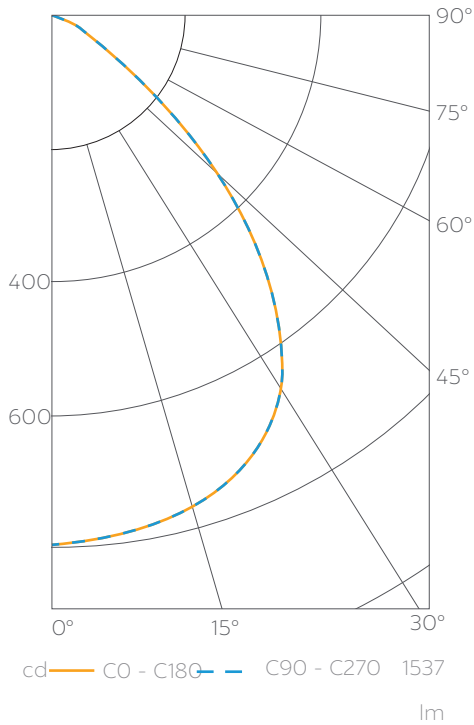
Zone	Lumens	Luminaire %
0-30	425	41
0-40	679	65
0-60	980	94
0-90	1046	100
0-180	1046	100

Illuminance Chart

Distance from LED	Foot Candles	Diameter
2.5'	86	4.9'
5.0'	22	9.7'
7.5'	10	14.6'
9.0'	7	17.5'

Beam Angle: 88°

12302 Cord Mount, Medium, 1500 lm, 90 CRI, 3000K, White | [12302-8-1500L-30K-CM24-WH](#)



Luminous Intensity

Gamma	C O°
0°	794
5°	790
10°	781
15°	768
20°	750
25°	723
30°	678
35°	605
40°	502
45°	376
50°	254
55°	166
60°	109
65°	70
70°	39
75°	19
80°	9
85°	3
90°	0

Values in candela

Zonal Lumen Summary

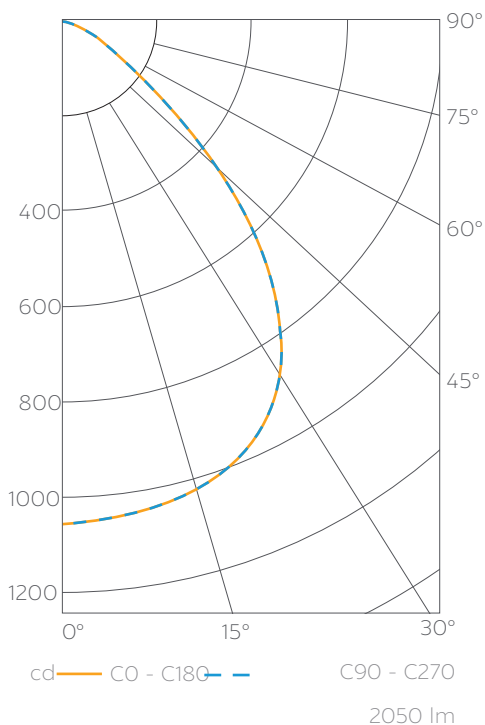
Zone	Lumens	Luminaire %
0-30	624	41
0-40	999	65
0-60	1441	94
0-90	1537	100
0-180	1537	100

Illuminance Chart

Distance from LED	Foot Candles	Diameter
2.5'	127	4.9'
5.0'	32	9.7'
7.5'	14	14.6'
9.0'	10	17.5'

Beam Angle: 88°

12302 Cord Mount, Medium, 2000 lm, 90 CRI, 3000K, White | [12302-8-2000L-30K-CM24-WH](#)



Luminous Intensity

Gamma	C O°
0°	1058
5°	1053
10°	1042
15°	1024
20°	1000
25°	964
30°	904
35°	806
40°	670
45°	502
50°	338
55°	221
60°	145
65°	94
70°	52
75°	25
80°	12
85°	4
90°	0

Values in candela

Zonal Lumen Summary

Zone	Lumens	Luminaire %
0-30	832	41
0-40	1332	65
0-60	1921	94
0-90	2050	100
0-180	2050	100

Illuminance Chart

Distance from LED	Foot Candles	Diameter
2.5'	169	4.9'
5.0'	42	9.7'
7.5'	19	14.6'
9.0'	13	17.5'

Beam Angle: 88°

COLOR TEMPERATURE GUIDE

Alcon Lighting 12302 Architectural LED Pendant Dome Light



2700K

WARM
WHITE

friendly
personal
intimate

HOMES
LIBRARIES
RESTAURANTS



3000K

SOFT WHITE
GLOW

soft
warm
pleasing

HOMES
HOTEL ROOMS
LOBBIES
RETAIL STORES



3500K

NEUTRAL
GLOW

sociable
inviting
non-threatening

EXECUTIVE OFFICES
RECEPTION AREAS
SUPERMARKETS



4000K

COOL WHITE
GLOW

neat
clean
efficient

OFFICES
CLASSROOMS
MASS MERCHANTISERS
SHOWROOMS



5000K

DAYLIGHT
GLOW

bright
cool
alert

GRAPHICS INDUSTRY
HOSPITALS
GALLERIES
BEAUTY SALONS

