

CGL12

12" LED Decorative Pendant

Specifications/Features

Fixture

Add a splash of color with these decorative pendants; available with glass shades in four different colors, as well as clear prismatic acrylic and an aluminum shade option. Designed for many applications, including retail and commercial settings. Installation options include cable or stem mono-point ceiling canopies. For cable installation, a 120" field adjustable flexible cable is included with the pendant. Alternately, for stem mounting, various rigid stem lengths are sold separately. Rigid stems range from 6" - 48" long; maximum allowable stem length is 10 feet. Frosted glass lens encloses the bottom of the fixture to reduce glare. Optional frosted acrylic lens available for use in food environments.

Lamp

Light engine consists of a high output multi-chip LED array available in five (5) wattage/lumen packages: 28W/2200lm, 38W/3300lm, 50W/4100lm, 60W/6100lm, and 98W/8500lm.

Excellent fixture-to-fixture color consistency within a 3-step MacAdam Ellipse tolerance.

Available in the following color temperatures: 2700K, 3000K, 3500K and 4000K; CRI: 80 min., 83 typical.

System designed and rated for 50,000 hours at 70% lumen maintenance.

Dimming

All CGL12 fixtures are available for non-dimming and dimming applications. 0-10V Dimming, dimming range down to 15%. Standard option for all wattages. Dimmer control may be operated from an input signal of 0-10VDC.

The following dimmer has been confirmed to dim to 15% output: Lutron NTFTV with PP120H or PP277H.

Lutron Hi-lume® A-Series L3D driver, dimming range down to 1%. **Available only for 28W model.** For non-dimming applications, use driver option MVD2.

Electrical

The CGL12 Performance series utilizes drivers manufactured by Lutron, Roal, and Thomas Research Products. Consult factory for more information.

Driver Specifications	Input Wattage	Input Voltage	Frequency	
CGL1232	12D1	28W	120V	50-60Hz
	MVD2	28W	90-305V	47-63Hz
	MVD4	28W	120-277V	50-60Hz
CGL1254	MVD2	38W	90-305V	47-63Hz
CGL1282	MVD2	50W	90-305V	47-63Hz
CGL1290	MVD2	60W	90-305V	47-63Hz
CGL12100	MVD2	98W	90-305V	47-63Hz

Emergency battery backup options available. Canopy mount with local switch (EC) or remote mount with remote switch (ER). Remote mount option comes with a thin canopy.

Warranty

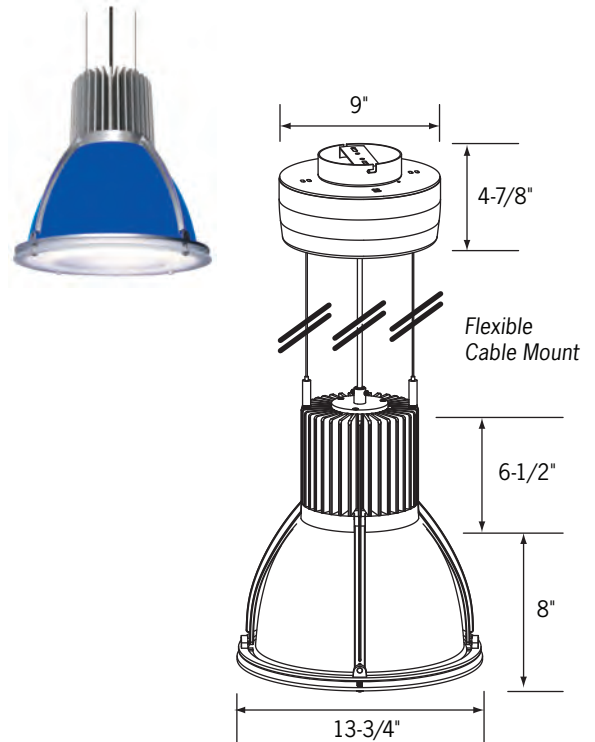
This complete fixture is covered by ConTech's full five (5) year replacement guarantee after date of purchase.

Listing

cCSAus Certified to UL standards. Frosted Glass Lens MUST be used for Canadian listing.

Tested in compliance with the Canadian Standards Association (CSA) as set forth in C22.2 No. 141, "Unit Equipment for Emergency Lighting."

Suitable for damp locations.



CGL12

12" LED Decorative Pendant

Ordering Information

Example Order: -

LED Module	Color Temp	Electrical/Dimming	Battery Back-Up	Shade	Mounting	Finish
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
CGL1232 - 28W CGL1254 - 38W CGL1282 - 50W CGL1290 - 60W CGL12100 - 98W	27K - 2700K 30K - 3000K 35K - 3500K 40K - 4000K	12D1* - 120V Triac Dimming, MVD2 - 120/277V with 0-10V Dimming MVD4* - Lutron Hi-Lume® A-Series L3D Driver, 1% Dimming *28W Fixture Only	- None, Leave Blank EC - Canopy Mount Local Switch, 6.5W ER - Remote Mount, Remote Switch, 6.5W Includes Thin Canopy	A - Clear Prismatic Acrylic AL - Aluminum AM - Amber Glass B - Blue Glass R - Red Glass W - White Glass	FC - Flexible Cable Included RS - Rigid Stem* Sold Separately, See Below	B - Black Housing/ Black Cord P - White Housing/ White Cord S - Silver Housing/ Black Cord Silver Cord Option, Consult Factory

Accessories

Rigid Stem Lengths for "RS" Mount Only

10 Ft. Maximum Allowable Stem Length

6" STEM(A)-(B,P,S)

12" STEM(A)-(B,P,S)

18" STEM(A)-(B,P,S)

24" STEM(A)-(B,P,S)

30" STEM(A)-(B,P,S)

36" STEM(A)-(B,P,S)

48" STEM(A)-(B,P,S)

COUPLING-(B,P,S) - External Coupling for Connecting Stems

CG12FAL - Frosted Acrylic Lens

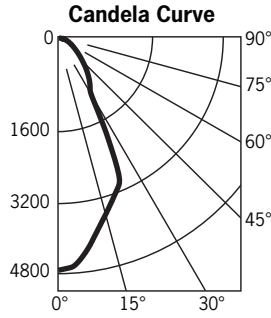
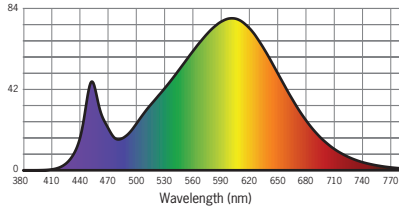
CGL12

12" LED Decorative Pendant

Photometrics

CGL129030KMVD2ALFC

Light Output (Fixture Lumens): 4195
 Total Watts@120V: 58
 Lumens Per Watt: 72
 Color Rendering Index (CRI)¹: 81
 Color Temperature (CCT)²: 3109K Warm White
 Spectral Power Distribution Chart³



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	4771	
5	4560	421
15	3655	1038
25	2300	1032
35	1010	624
45	597	460
55	323	292
65	172	173
75	77	83
85	20	24
95	14	14

Intensity Distribution

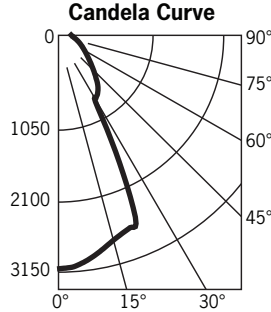
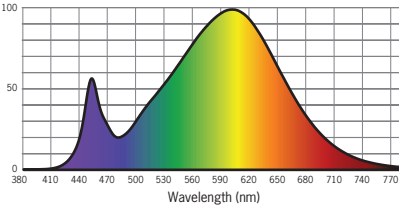
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6'	132.5	5.0
8'	74.5	6.7
10'	47.7	8.4
12'	33.1	10.1
14'	24.3	11.8
16'	18.6	13.5

Beam Distribution: 50°

Designed for 50,000 Hour Lamp Life*; LM-79 Test No. 80911

CGL129030KMVD2WFC

Light Output (Fixture Lumens): 5171
 Total Watts@120V: 59
 Lumens Per Watt (Efficiency): 88
 Color Rendering Index (CRI)¹: 81
 Color Temperature (CCT)²: 3085K Warm White
 Spectral Power Distribution Chart³



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	3122	
5	3072	290
15	2827	800
25	1866	836
35	886	549
45	615	478
55	425	383
65	309	306
75	222	234
85	166	182
95	174	185

Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6'	86.7	5.4
8'	48.8	7.3
10'	31.2	9.1
12'	21.7	10.9
14'	15.9	12.7
16'	12.2	14.5

Beam Distribution: 52°

Designed for 50,000 Hour Lamp Life*; LM-79 Test No. 80910

To estimate output at other wattages or color temperatures, please multiply the CGL1290 results by the following:

28W	38W	50W	98W
0.38	0.57	0.70	1.20

2700K	3000K	3500K	4000K
0.92	1.0	1.03	1.04

1. Accuracy of rendering colors
 2. Color appearance of light source
 3. Colors present within the light source

*Dependent on surrounding temperatures