

CPL

LED Pendant

Specifications/Features

Fixture

High performance LED Pendant available in six (6) wattage/lumen packages from 23W/2550lm to 90W/9230lm.

The decorative design simplifies installation with a thin ceiling canopy and a compact driver housing/heat sink.

A collection of shade options provide varied distributions and design looks. Acrylic lenses come in 12" and 16" with several beam spreads. Decorative colored glass shades in 12" with optional decorative legs offer a design look ideal for many retail and commercial applications. Specular metal reflectors in 12" and 16" assist in directing all light downward for maximum output with smooth light distribution. Metal cylinder and double glass cylinder shades offer additional designer configurations for numerous applications.

The optional optically engineered light pipe (Part #9900525) moves the luminous plane from the LED module down 6" to allow for proper medium beam spread distribution out of the cylinder without the use of parabolic reflectors. Results in improved beam distribution and fixture spacing criteria.

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 with use of coupling option. Hook, cord and twist lock plug options available.

Lamp

Light engine consists of a high output LED array available in six (6) wattage/lumen packages: 23W/2550lm, 36W/3650lm, 50W/4571lm, 57W/6580lm, 65W/7270lm, and 90W/9230lm.

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 CPL fixtures are available for non-dimming and dimming applications.

CPL2 through CPL4 Standard with Universal Driver capable of Triac, ELV, and 0-10V Dimming down to 10%

CPL5 through CPL7 Standard with Driver capable of 0-10V Dimming down to 10%

Electrical

The CPL series utilizes drivers manufactured by ERP, Samsung, or Thomas Research Products. Consult factory for more information. Remote Mount Emergency battery backup option available.

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.

Energy Star listed in all wattages, all color temperatures, and all driver options, dependent on shade selection.

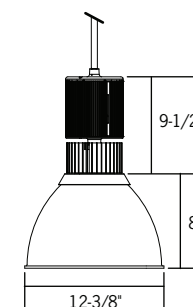
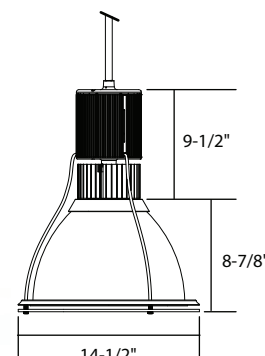
Tested in compliance with the Canadian Standards Association (CSA) as set forth in C22.2 No. 141, "Unit Equipment for Emergency Lighting."

Suitable for damp locations.

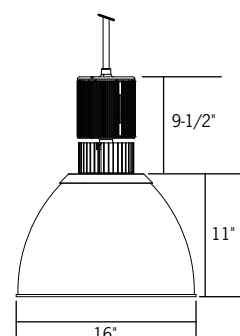
Model	Lumens	Driver Specs	Input Wattage	Input Voltage	Frequency
CPL2	2550	MVD	23W	120-277V	50-60Hz
CPL3	3650	MVD	36W	120-277V	50-60Hz
CPL4	4571	MVD	50W	120-277V	50-60Hz
CPL5	6580	MVD2	57W	120-277V	50-60Hz
CPL6	7270	MVD2	65W	120-277V	50-60Hz
CPL7	9230	MVD2	90W	120-277V	50-60Hz



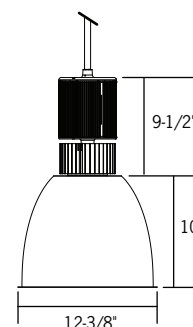
Decorative Option with Glass Shade



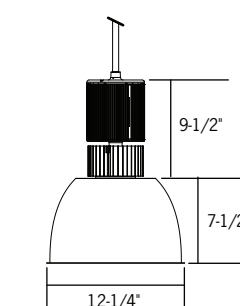
ACL12
12" Acrylic Shade



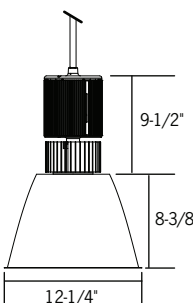
ACL16
16" Acrylic Shade



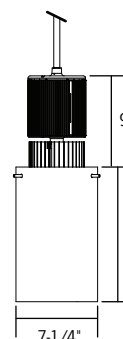
CRN12
12" Clear Reflector,
Narrow Distribution



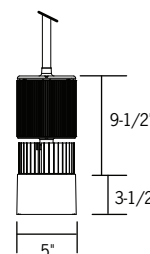
CRW12
12" Clear Reflector,
Wide Distribution



CRM12
12" Clear Reflector,
Medium Distribution



CY7
7" Cylinder



CYPL
5" Cylinder

CPL

LED Pendant

Ordering Information

Step 1: Select Base Fixture Model Example: CPL530KMVD2FC-S
 Step 2: Select Desired Shade Example: WHG12-S
 Step 3: Select Desired Options Example: DECO-S

Above Example will be shipped in three components:

1. CPL5 Pendant in 3000K with 120/277V Driver, Flexible Cable Mounting in Silver Finish
2. 12" White Glass Decorative Shade
3. Silver Decorative Leg and Bottom Lens Kit

1. Base Fixture Module

Example Order: -

LED Module	Color Temp	Electrical/Dimming	Mounting	Finish

CPL2 - 23W/2550lm
CPL3 - 36W/3650lm
CPL4 - 50W/4571lm
CPL5 - 57W/6580lm
CPL6 - 65W/7270lm
CPL7 - 90W/9230lm*

*CPL7 available in RDE, RDB, CDE, or CDB versions only

27K - 2700K
30K - 3000K
35K - 3500K
40K - 4000K

MVD - Series 2,3,4 Driver
 Standard Housing
 120/277V, Triac, ELV, 0-10V

MVD2 - Series 5,6 Driver
 Standard Housing
 120/277V, 0-10V

RDE - Remote Mount Driver
 Series 2,3,4 includes MVD Driver
 Series 5,6,7 includes MVD2 Driver

RDB - Remote Mount Driver with Battery Backup
 Series 2,3,4 includes MVD Driver
 Series 5,6,7 includes MVD2 Driver

CDE - Canopy Mount Driver
 Series 2,3,4 includes MVD Driver
 Series 5,6,7 includes MVD2 Driver

CDB - Canopy Mount Driver with Battery Backup
 Series 2,3,4 includes MVD Driver
 Series 5,6,7 includes MVD2 Driver

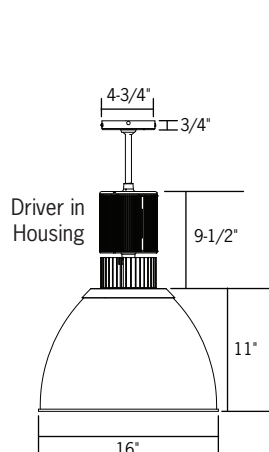
FC - Flexible Cable
RS - Rigid Stem*
 6" Stem included, additional lengths sold separately, see page 3
ECP12 - Eye Hook, 6' Cord and NEMA 15A, 120V Twist Lock Plug**
ECP27 - Eye Hook, 6' Cord and NEMA 15A, 277V Twist Lock Plug**
RIG34 - 3/4" Threaded Rigid Conduit Adapter (No Canopy Provided with Fixture)

**Use of Cord and Plug mounting options limits CPL2 through CPL4 to TRIAC/ELV dimming and CPL5 through CPL6 to non-dimming only

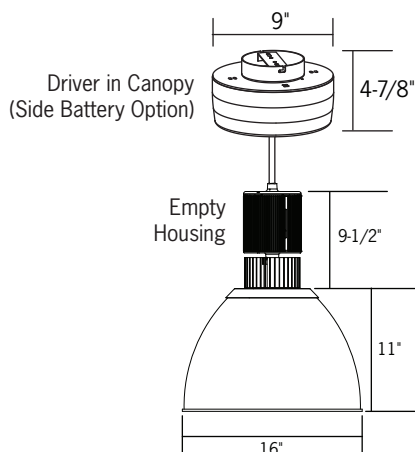
B - Black Housing/
 Black Cord
P - White Housing/
 White Cord
S - Silver Housing/
 Black Cord

Example Schematics

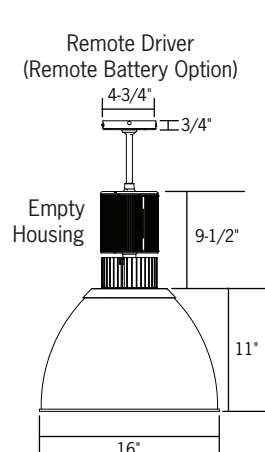
CPL2 Through CPL6 (MVD or MVD2)



CPL2 Through CPL7 (CDE or CDB)



CPL2 Through CPL7 (RDE or RDB)



SHADE SELECTION AND OPTIONS ON NEXT PAGE

CPL

LED Pendant

Ordering Information

Step 1: Select Base Fixture Model Example: CPL530KMVD2FC-S
Step 2: Select Desired Shade Example: WHG12-S
Step 3: Select Desired Options Example: DECO-S

Above Example will be shipped in three components:

1. CPL5 Pendant in 3000K with 120/277V Driver, Flexible Cable Mounting in Silver Finish
2. 12" White Glass Decorative Shade
3. Silver Decorative Leg and Bottom Lens Kit

2. Shades

Example Order: -

Decorative Shades

Hardware Finish

ACS12 - 12" Acrylic
ALS12 - 12" Aluminum
AMG12 - 12" Amber Glass
BLG12 - 12" Blue Glass
RDG12 - 12" Red Glass
WHG12 - 12" White Glass

B - Black
P - White
S - Silver

Performance Shades

Hardware Finish

CRN12^{1,2} - 12" Clear Reflector; Narrow Distribution
CRM12^{1,2} - 12" Clear Reflector; Medium Distribution
CRM12B^{1,2} - 12" Clear Reflector; Medium Distribution, Black Exterior Paint
CRM12P^{1,2} - 12" Clear Reflector; Medium Distribution, White Exterior Paint
CRW12^{1,2} - 12" Clear Reflector; Wide Distribution
CRM16¹ - 16" Clear Reflector; Medium Distribution
ACL12² - 12" Lexalite™ Clear Acrylic
ACL12FR - 12" Lexalite™ Frosted Acrylic
ACL16² - 16" Lexalite™ Clear Acrylic
ACL16FR - 16" Lexalite™ Frosted Acrylic
ALS16^{1,2} - 16" Aluminum
ALS16B² - 16" Aluminum; Black Exterior Paint

B - Black
P - White
S - Silver

Cylinder Shades

Hardware Finish

CYLPL4² - 5" Cylinder with 45° Reflector
CYLPL7² - 5" Cylinder with 74° Reflector
CY7M - 7" Metal Cylinder
CY7G - 7" Frosted Glass Cylinder
CYDG - Double Glass Cylinder Set (5-1/2" Frost/7" Clear)
9900525 - Optional Light Pipe with Holder for Medium Beam Distribution; For use with 7" Cylinder Shades on CPL2 through CPL5 Modules Only

B - Black
P - White
S - Silver

1. No finish suffix required
2. CPL Series luminaires are Energy Star Listed when used with these shades.

3. Options

Example Order: -

Deco Kit

Finish

DECO - Decorative Legs and Bottom Glass Lens; For 12" Decorative Shades Only

B - Black
P - White
S - Silver

Rigid Stems

Finish

Rigid Stem Lengths for "RS" Mount Only; 10 Ft. Maximum Allowable Stem Length
ST6 - 6" Rigid Stem
ST12 - 12" Rigid Stem
ST18 - 18" Rigid Stem
ST24 - 24" Rigid Stem
ST30 - 30" Rigid Stem
ST36 - 36" Rigid Stem
ST42 - 42" Rigid Stem
ST48 - 48" Rigid Stem
COUPLING - External Couple for Connecting Stems

B - Black
P - White
S - Silver

STEMCTC - Close-to-Ceiling Mount Threaded Stem For use with RS Mount Only, allows for close to ceiling mount of fixture to canopy

Bottom Lenses

For use with ACS, CR, and ACL Shade Models

PACDLA12 - Optional 12" Conical Acrylic Prismatic Drop Lens and Clamp
PASFLA12 - Optional 12" Smooth Acrylic Flat Lens and Clamp
PACDLA16 - Optional 16" Conical Acrylic Prismatic Drop Lens and Clamp
PASFLA16 - Optional 16" Smooth Acrylic Flat Lens and Clamp

Wire Guards

WG12 - 12" Wire Guard
WG16 - 16" Wire Guard

CPL

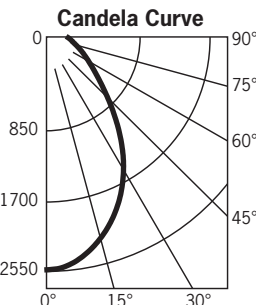
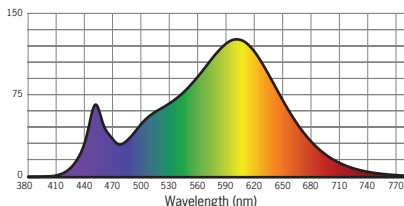
LED Pendant

Photometrics

CPL630KRDEFC-P/WHG12-P/DECO-P

Designed for 50,000 Hour Lamp Life¹; LM-63 Test No. 85100

Light Output (Fixture Delivered Lumens): 6462
Total Watts@120V: 64.3
Lumens Per Watt: 100.5
Color Rendering Index (CRI)¹: 82
Color Temperature (CCT)²: 3190K
Spectral Power Distribution Chart³



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	2529	
5	2492	235
15	2244	630
25	1858	851
35	1364	851
45	889	692
55	592	534
65	423	421
75	309	329
85	241	263
95	246	265

Intensity Distribution

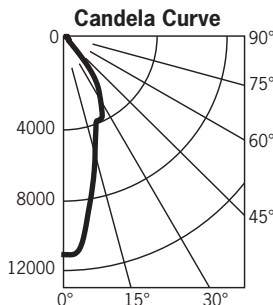
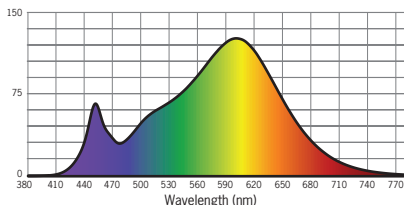
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
4'	158.1	4.0
6'	70.3	6.1
8'	39.5	8.1
10'	25.3	10.1
12'	17.6	12.1
14'	12.9	14.1

Beam Distribution: 74°
Spacing Criteria: 1.01

CPL630KRDEFC-P/ACL12-P

Designed for 50,000 Hour Lamp Life¹; LM-63 Test No. 85101

Light Output (Fixture Delivered Lumens): 7213
Total Watts@120V: 64.4
Lumens Per Watt: 112
Color Rendering Index (CRI)¹: 82
Color Temperature (CCT)²: 3190K
Spectral Power Distribution Chart³



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	11094	
5	10518	910
15	6015	1692
25	4516	1993
35	2744	1577
45	356	313
55	268	228
65	148	149
75	82	88
85	49	54
95	41	43

Intensity Distribution

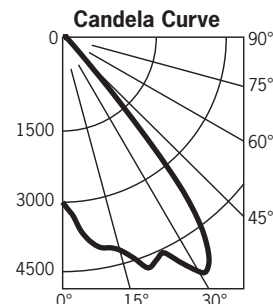
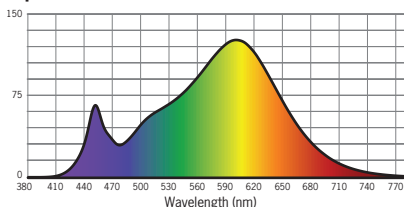
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
4'	693.4	2.1
6'	308.2	3.1
8'	173.3	4.2
10'	110.9	5.2
12'	77.0	6.3
14'	56.6	7.3

Beam Distribution: 33°
Spacing Criteria: 0.52

CPL630KRDEFC-P/CRW12

Designed for 50,000 Hour Lamp Life¹; LM-63 Test No. 85102

Light Output (Fixture Delivered Lumens): 6816
Total Watts@120V: 64.5
Lumens Per Watt: 105.7
Color Rendering Index (CRI)¹: 82
Color Temperature (CCT)²: 3190K
Spectral Power Distribution Chart³



Candlepower Summary

FROM 0	CANDELA	LUMENS
0	3191	
5	3717	365
15	4218	1223
25	4543	2197
35	4645	2611
45	254	336
55	55	52
65	19	20
75	9	9
85	2	3
95	0	

Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
4'	199.4	6.3
6'	88.6	9.4
8'	49.9	12.5
10'	31.9	15.7
12'	22.2	18.8
14'	16.3	21.9

Beam Distribution: 79°
Spacing Criteria: 1.18

1. Dependent on surrounding temperatures
2. Accuracy of rendering colors
3. Color appearance of light source
4. Colors present within the light source

To estimate output at other wattages or color temperatures, please multiply the CPL6 results by the following:

CPL2	CPL3	CPL4	CPL5	CPL6	CPL7
0.351	0.500	0.628	0.905	1.000	1.269

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

CPL

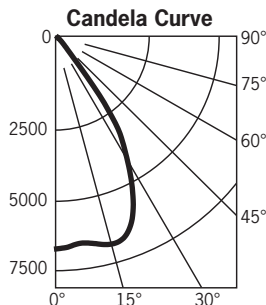
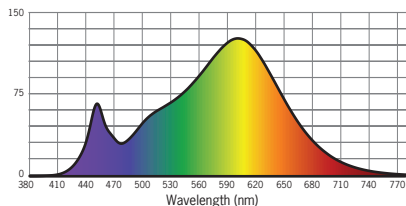
LED Pendant

Photometrics

CPL630KRDEFC-P/CRM12

Designed for 50,000 Hour Lamp Life¹; LM-63 Test No. 85103

Light Output (Fixture Delivered Lumens): 6819
Total Watts@120V: 64.5
Lumens Per Watt: 105.7
Color Rendering Index (CRI)¹: 82
Color Temperature (CCT)²: 3190K
Spectral Power Distribution Chart³



FROM 0	CANDELA	LUMENS
0	6785	
5	6670	638
15	6851	1919
25	5632	2542
35	2583	1469
45	208	182
55	46	46
65	15	16
75	5	6
85	1	1
95	0	

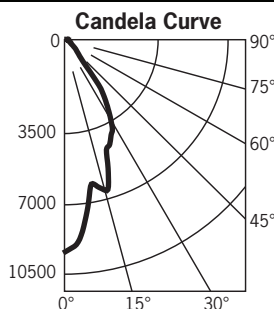
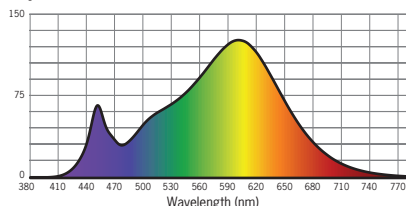
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
4'	424.1	4.2
6'	188.5	6.3
8'	106.0	8.4
10'	67.9	10.5
12'	47.1	12.7
14'	34.6	14.8

Beam Distribution: 66°
Spacing Criteria: 0.96

CPL630KRDEFC-P/ACL16-P

Designed for 50,000 Hour Lamp Life¹; LM-63 Test No. 85104

Light Output (Fixture Delivered Lumens): 7309
Total Watts@120V: 64.4
Lumens Per Watt: 113.5
Color Rendering Index (CRI)¹: 82
Color Temperature (CCT)²: 3190K
Spectral Power Distribution Chart³



FROM 0	CANDELA	LUMENS
0	9508	
5	8620	754
15	7021	1827
25	4754	2167
35	2728	1474
45	627	463
55	270	235
65	155	151
75	64	71
85	31	34
95	23	26

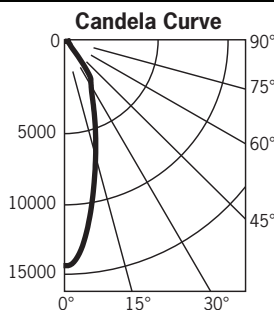
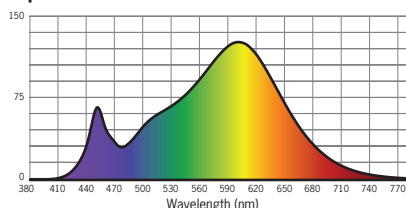
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
4'	594.3	2.8
6'	264.1	4.2
8'	148.6	5.5
10'	95.1	6.9
12'	66.0	8.3
14'	48.5	9.7

Beam Distribution: 50°
Spacing Criteria: 0.69

CPL630KRDEFC-P/ALS16

Designed for 50,000 Hour Lamp Life¹; LM-63 Test No. 85105

Light Output (Fixture Delivered Lumens): 6365
Total Watts@120V: 64.5
Lumens Per Watt: 98.7
Color Rendering Index (CRI)¹: 82
Color Temperature (CCT)²: 3190K
Spectral Power Distribution Chart³



FROM 0	CANDELA	LUMENS
0	14381	
5	12878	1127
15	7193	2003
25	3862	1816
35	1899	1068
45	262	209
55	98	91
65	35	36
75	11	12
85	2	2
95	0	

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
4'	898.8	1.9
6'	399.5	2.9
8'	224.7	3.9
10'	143.8	4.9
12'	99.9	5.8
14'	73.4	6.8

Beam Distribution: 30°
Spacing Criteria: 0.49

1. Dependent on surrounding temperatures
2. Accuracy of rendering colors
3. Color appearance of light source
4. Colors present within the light source

To estimate output at other wattages or color temperatures, please multiply the CPL6 results by the following:

CPL2	CPL3	CPL4	CPL5	CPL6	CPL7
0.351	0.500	0.628	0.905	1.000	1.269

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

CPL

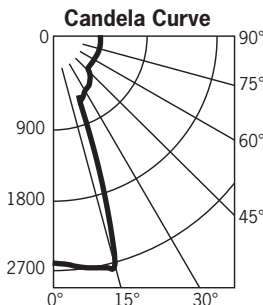
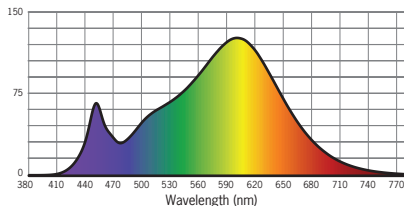
LED Pendant

Photometrics

CPL630KRDEFC-P/CYDG-P

Designed for 50,000 Hour Lamp Life¹; LM-63 Test No. 85107

Light Output (Fixture Delivered Lumens): 6691
Total Watts@120V: 64.5
Lumens Per Watt: 103.7
Color Rendering Index (CRI)¹: 82
Color Temperature (CCT)²: 3190K
Spectral Power Distribution Chart³



FROM 0	CANDELA	LUMENS
0	2596	
5	2641	254
15	2567	598
25	748	349
35	667	413
45	524	419
55	508	456
65	511	507
75	515	544
85	511	557
95	507	552

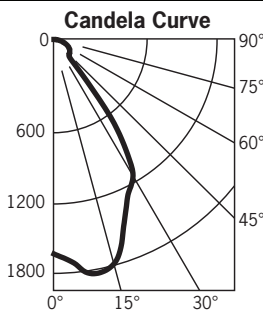
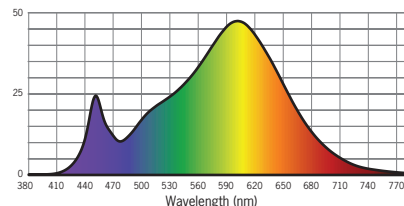
DISTANCE (FT.)	FOOT CANDLES (FC)	BEAM DIAMETER (FT.)
4'	162.3	2.6
6'	72.1	3.9
8'	40.6	5.3
10'	26.0	6.6
12'	18.0	7.9
14'	13.2	9.2

Beam Distribution: 37°
Spacing Criteria: 0.57

CPL530KRDEFC-P/CY7M-P/9900525

Designed for 50,000 Hour Lamp Life¹; LM-63 Test No. 85815

Light Output (Fixture Delivered Lumens): 2293
Total Watts@120V: 56.4
Lumens Per Watt: 40.7
Color Rendering Index (CRI)¹: 82
Color Temperature (CCT)²: 3079K
Spectral Power Distribution Chart³



FROM 0	CANDELA	LUMENS
0	1639	
5	1715	168
15	1763	485
25	1308	610
35	783	438
45	161	126
55	143	128
65	111	109
75	64	68
85	20	22
95	1	1

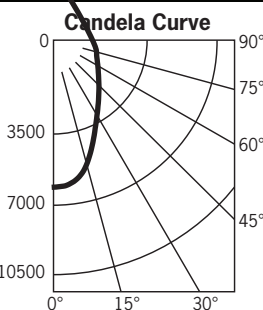
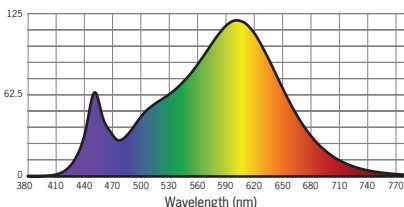
DISTANCE (FT.)	FOOT CANDLES (FC)	BEAM DIAMETER (FT.)
6'	45.5	6.6
8'	25.6	8.8
10'	16.4	11.0
12'	11.4	13.2
14'	8.4	15.4
16'	6.4	17.6

Beam Distribution: 67°
Spacing Criteria: 1.00

CPL630KRDEFC-P/CRN12

Designed for 50,000 Hour Lamp Life¹; LM-63 Test No. 86071

Light Output (Fixture Delivered Lumens): 6033
Total Watts@120V: 64.4
Lumens Per Watt: 93.7
Color Rendering Index (CRI)¹: 83
Color Temperature (CCT)²: 3147K
Spectral Power Distribution Chart³



FROM 0	CANDELA	LUMENS
0	9256	
5	9083	843
15	6921	1933
25	4538	2088
35	831	846
45	250	204
55	80	75
65	29	30
75	10	11
85	2	3
95	0	

DISTANCE (FT.)	FOOT CANDLES (FC)	BEAM DIAMETER (FT.)
6'	257.1	4.4
8'	144.6	5.9
10'	92.6	7.4
12'	64.3	8.9
14'	47.2	10.4
16'	36.2	11.8

Beam Distribution: 49°
Spacing Criteria: 0.74

1. Dependent on surrounding temperatures
2. Accuracy of rendering colors
3. Color appearance of light source
4. Colors present within the light source

To estimate output at other wattages or color temperatures, please multiply the CPL6 results by the following:

CPL2	CPL3	CPL4	CPL5	CPL6	CPL7
0.351	0.500	0.628	0.905	1.000	1.269

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

CPL

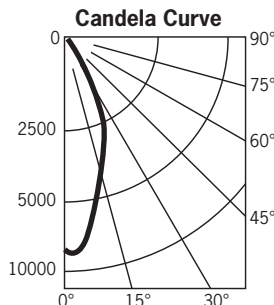
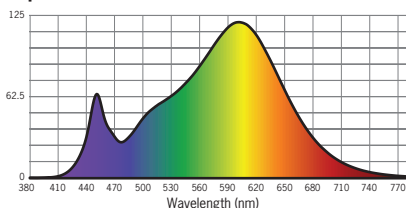
LED Pendant

Photometrics

CPL630KMVD2FC-P/CYLPL4

Designed for 50,000 Hour Lamp Life¹; LM-63 Test No. G16110102

Light Output (Fixture Delivered Lumens): 5700
Total Watts@120V: 65.3
Lumens Per Watt: 87.3
Color Rendering Index (CRI)¹: 83
Color Temperature (CCT)²: 3147K
Spectral Power Distribution Chart³



FROM 0	CANDELA	LUMENS
0	9058	
5	8558	871
15	6130	1738
25	4146	1919
35	1656	1040
45	244	189
55	67	60
65	20	19
75	5	5
85	1	0
95	0	

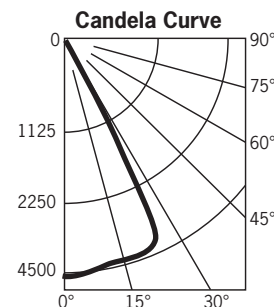
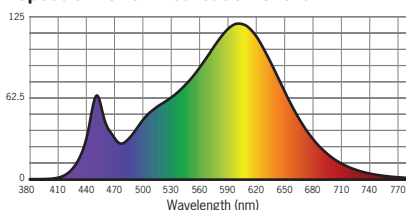
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6'	251.6	5.1
8'	141.5	6.7
10'	90.6	8.4
12'	62.9	10.1
14'	46.2	11.8
16'	35.4	13.5

Beam Distribution: 46°
Spacing Criteria: 0.78

CPL630KMVD2FC-P/CYLPL7

Designed for 50,000 Hour Lamp Life¹; LM-63 Test No. G16102104

Light Output (Fixture Delivered Lumens): 5885
Total Watts@120V: 65
Lumens Per Watt: 91
Color Rendering Index (CRI)¹: 83
Color Temperature (CCT)²: 3147K
Spectral Power Distribution Chart³



FROM 0	CANDELA	LUMENS
0	4137	
5	4098	416
15	3958	1122
25	4001	1852
35	2526	1587
45	894	692
55	245	220
65	51	50
75	9	10
85	1	1
95	0	

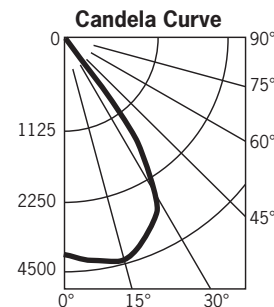
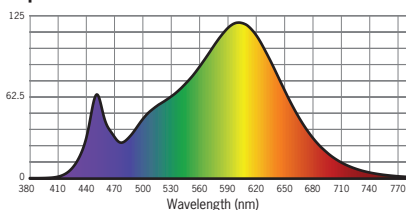
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6'	114.9	9.0
8'	64.6	12.0
10'	41.4	15.0
12'	28.7	18.0
14'	21.1	21.0
16'	16.2	24.0

Beam Distribution: 74°
Spacing Criteria: 1.1

CPL630KMVD2FC-P/CRM16

Designed for 50,000 Hour Lamp Life¹; LM-63 Test No. G17092001

Light Output (Fixture Delivered Lumens): 6716
Total Watts@120V: 65
Lumens Per Watt: 103
Color Rendering Index (CRI)¹: 83
Color Temperature (CCT)²: 3147K
Spectral Power Distribution Chart³



FROM 0	CANDELA	LUMENS
0	5578	
5	5697	577
15	5895	1671
25	5320	2463
35	3355	2108
45	261	202
55	68	61
65	23	22
75	8	8
85	2	1
95	0	

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6'	154.9	8.6
8'	87.2	11.5
10'	55.8	14.4
12'	38.7	17.3
14'	28.5	20.1
16'	21.8	23.0

Beam Distribution: 71°
Spacing Criteria: 1.0

1. Dependent on surrounding temperatures
2. Accuracy of rendering colors
3. Color appearance of light source
4. Colors present within the light source

To estimate output at other wattages or color temperatures, please multiply the CPL6 results by the following:

CPL2	CPL3	CPL4	CPL5	CPL6	CPL7
0.351	0.500	0.628	0.905	1.000	1.269

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