



ASCENT

ARCHITECTURAL LIGHTING

PROJECT

DATE

COMMENTS



IN STOCK



Pendant Mount



Surface Mount



Wall Mount

ENERGY CHART
(3000K, 90 CRI, White Trim)

WATTAGE	BEAM ANGLE	DELIVERED LUMENS	EFFICACY lm/w
5W	15°	575	115
	24°	575	115
	36°	525	105
	60°	475	95
8W	15°	920	115
	24°	960	120
	36°	840	105
	60°	760	95
10W	15°	1150	115
	24°	1150	115
	36°	1050	105
	60°	950	95
13W	15°	1430	110
	24°	1490	115
	36°	1365	105
	60°	1170	90
16W	15°	1680	105
	24°	1760	110
	36°	1600	100
	60°	1280	80
19W	15°	1900	110
	24°	1995	105
	36°	1805	95
	60°	1520	80

CRISP-3 ARCHITECTURAL 3" CYLINDER LED

CRISP-3 is an LED Architectural Cylinder available in 3" diameter in black, white, or silver powder coat finish. Standard features include universal voltage, field selectable wattage, several options for reflectors, beam spreads, CCT, CRI, and drivers. CRISP-3 can be surface or pendant mounted to recessed junction boxes with a flat plate or surface mounted junction boxes with a deep canopy that includes four conduit knock outs. CRISP-3 can be suspended with field adjustable cable or rigid stem available in 2', 4', 8', or 12' lengths. The rigid stem is suitable for sloped ceiling applications with the integral swivel canopy that installs over recessed or surface junction boxes.

- Commercial Office
- Classrooms
- Civic & Transportation

PHYSICAL

Material	Extruded Aluminum
Mounting	Surface, Suspended, or Wall Mount
Lens	Acrylic
Reflector	Black, White, Gold, Chrome
Finish	Black, White, Silver
Sloped Ceiling	Yes with Rigid Stem, tilt up to 30°

PERFORMANCE

Warranty	5 years
Certifications	cULus for Damp Locations, cULus
Rated Life	L70 > 50,000 hours
Operating Temperature	-20°C to 40°C (-4°F to 104°F)
CCT	2700K, 3000K, 3500K, 4000K or Dim-to-Warm (3000K-2000K)
CRI	90+ (Fixed CCT) or 95+ (Dim-to-Warm)
Beam Angle	15°, 24°, 36°, 60°

ELECTRICAL

Wattage	Field Selectable: (5W/8W/10W/13W/16W/19W)
Voltage	110-277V AC
Power Factor	>0.9
Dimming	0-10V (dims to 1%), Triac (dims to 10%)
THD	<20%

SEE ORDERING LOGIC ON PAGE 2





ORDERING LOGIC

EX: CRISP-3-27-15-BK-BK-PR-2CBK

FAMILY	CCT		BEAM ANGLE		HOUSING FINISH		TRIM			
CRISP-3										
	27	2700K	15	15°	BK	Black	WH	Round Open White Finish	WW	Wall Wash White Finish
	30	3000K	24	24°	WH	White	BK	Round Open Black Finish	WB	Wall Wash Black Finish
	35	3500K	36	36°	SL	Silver	GD	Round Open Gold Finish	DL	Drop Lens, Frosted, 0.98" Height
	40	4000K	60	60°			CH	Round Open Chrome Finish		
	DT	Dim-to-Warm 3000K-2000K 95+ CRI, 13W MAX								

MOUNTING TYPE

CABLE OR STEM LENGTH*
(PR + PS ONLY)

ORDERING NOTES

* Unless otherwise specified, the canopy, cable, stem match the housing finish. The only exception is the cable pendant for the silver finish, where the default cable is white.

PR	Pendant With Flat Canopy* FOR USE WITH RECESSED J-BOX	2CWH	2' Cable Mount, White	2SWH	2' Stem Mount, White
PS	Pendant With Deep Canopy* FOR USE WITH SURFACE MOUNTED J-BOX	2CBK	2' Cable Mount, Black	2SBK	2' Stem Mount, Black
SR	Surface* FOR USE WITH RECESSED J-BOX	4CWH	4' Cable Mount, White	4SWH	4' Stem Mount, White
SS	Surface* FOR USE WITH SURFACE MOUNTED J-BOX	4CBK	4' Cable Mount, Black	4SBK	4' Stem Mount, Black
WM	Wall Mount	8CWH	8' Cable Mount, White	8SWH	8' Stem Mount, White
		8CBK	8' Cable Mount, Black	8SBK	8' Stem Mount, Black
		12CWH	12' Cable Mount, White	12SWH	12' Stem Mount, White
		12CBK	12' Cable Mount, Black	12SBK	12' Stem Mount, Black

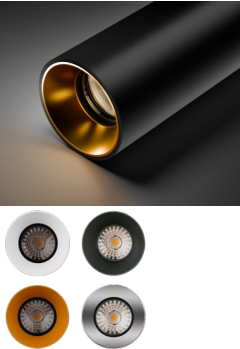
ACCESSORIES ORDERING LOGIC (ORDER SEPARATELY)

EX: CRISP-3-HB

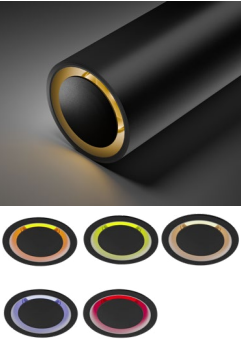
FAMILY	ACCESSORIES
CRISP-3	HB Honeycomb (ONLY FOR OPEN TRIMS)
	EM 16W External Emergency Battery
	DYB Decorative Kit – Yellow BLACK FACE PLATE (ONLY FOR OPEN TRIMS)
	DYW Decorative Kit – Yellow WHITE FACE PLATE (ONLY FOR OPEN TRIMS)
	DGB Decorative Kit – Green BLACK FACE PLATE (ONLY FOR OPEN TRIMS)
	DGW Decorative Kit – Green WHITE FACE PLATE (ONLY FOR OPEN TRIMS)
	DTB Decorative Kit – Transparent BLACK FACE PLATE (ONLY FOR OPEN TRIMS)
	DTW Decorative Kit – Transparent WHITE FACE PLATE (ONLY FOR OPEN TRIMS)
	DBB Decorative Kit – Blue BLACK FACE PLATE (ONLY FOR OPEN TRIMS)
	DBW Decorative Kit – Blue WHITE FACE PLATE (ONLY FOR OPEN TRIMS)
	DRB Decorative Kit – Red BLACK FACE PLATE (ONLY FOR OPEN TRIMS)
	DRW Decorative Kit – Red WHITE FACE PLATE (ONLY FOR OPEN TRIMS)

TRIM OPTIONS

ROUND OPEN TRIM



DECORATIVE TRIM



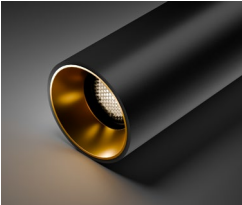
WALL WASH TRIM



DROP LENS



HONEYCOMB





ASCENT

ARCHITECTURAL LIGHTING

CRISP-3 ARCHITECTURAL 3" CYLINDER LED

SPECIFICATIONS

FINISH

Constructed of extruded aluminum. Powder coated polyester paint that comes standard in white, black, and silver.

OPTICS

Powered by a Bridgelux high efficiency COB LED chip with 15°/24°/36°/60° fixed beam spread options, wall wash or a frosted drop lens. Cylinder optics are interchangeable which can be easily swapped out in the field without tools.

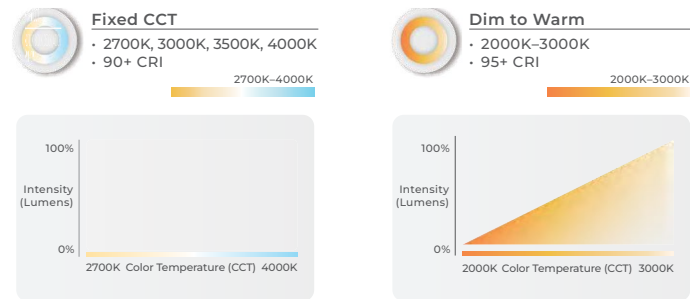
LED SYSTEM

LED: Powered by CREE or Bridgelux high efficiency COB LED chip.

CRI: 90+ for fixed CCT or 95+ CRI for Dim to Warm, producing outstanding illumination at a tight chromaticity specification and color binning process.

CCT: 2700K, 3000K, 3500K and 4000K fixed CCT with a great color consistency or Dim to Warm from 3000K to 2000K.

Light Engine Heatsink: Aluminum housing acting as the heat sink to maximize life. The temperature of all heatsinks are controlled at 60-70°C.



ELECTRICAL

LED Driver: It is powered by Class 2 high efficiency LED driver, with standard 0-10V dimming which dims to 1% or Triac dimming that works with many types of controls. Thermal overload protection shuts down the luminaire when system temperatures exceed designed operating conditions.

THD: <20%

Power Factor: >0.9

Input Voltage: Standard electronic drivers are cULus recognized and available for 110-277V AC.

Environment: Environment damp rated for ambient operating temperature of -20°C to +40°C (-4° to +104°F)

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.

MOUNTING - PENDANT

Cable Pendant:

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.

Stem Pendant:

Ø12/25" steel stem is provided in length specified. (2' nominal, 4' nominal, 8' nominal, or 12' nominal) and is provided in white or black finish.

CANOPY OPTIONS

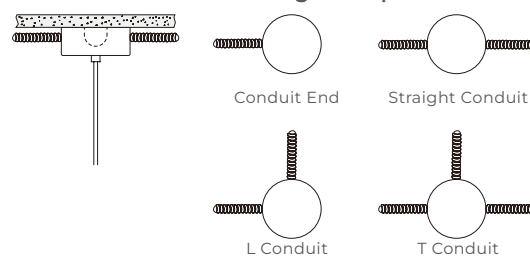
Flat Canopy For Recessed J-box:

If J-box is recessed (3" octagon, 4" octagon or 4" round), a flat 4.5" canopy is provided for mounting to recessed junction box in white or black powder coat 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 in white or black powder coat finish.

Conduit Cutout Mounting Example:



MOUNTING - SURFACE

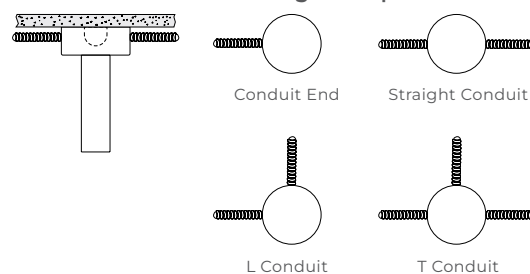
For Recessed J-box

If recessed J-box is existing (3" octagon, 4" octagon or 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 in white or black powder coat finish.

Conduit Cutout Mounting Example:





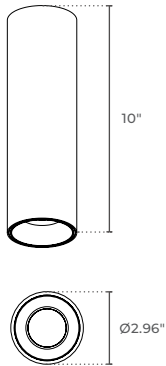
ASCENT

ARCHITECTURAL LIGHTING

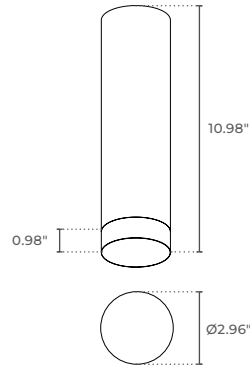
CRISP-3 ARCHITECTURAL 3" CYLINDER LED

DIMENSIONS

WITH ROUND OPEN, WALL WASH, OR DECORATIVE TRIM



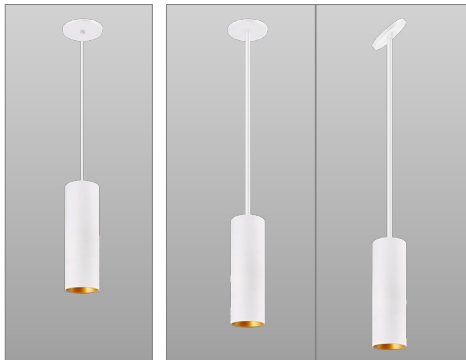
WITH DROP LENS



MOUNTING OPTIONS

PENDANT MOUNT

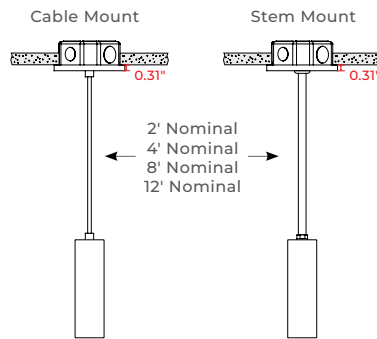
Pendant With Flat Canopy For Recessed J-Box



Cable Mount

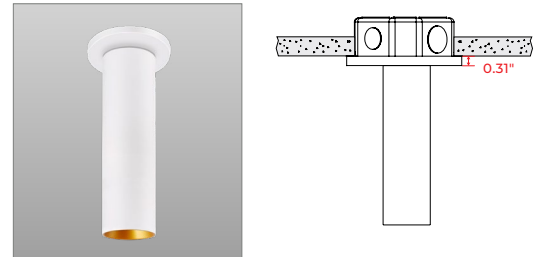
Rigid Stem

Rigid Stem (Tilt up to 30°)

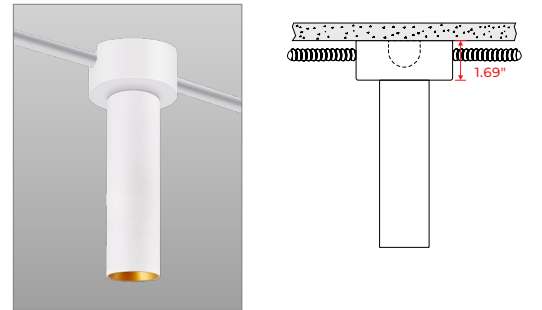


SURFACE MOUNT

Surface Mount To Recessed Junction Box



Surface Mount With Conduit Cutout For Surface Mounted 4" Octagonal Junction Box



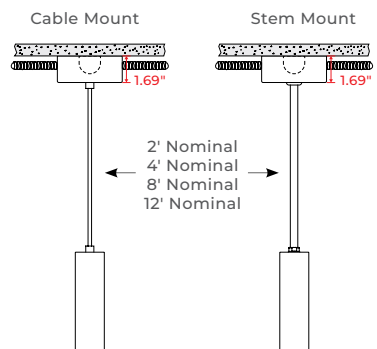
Pendant With Conduit Cutout Deep Canopy for Surface 4" Octagonal Junction Box



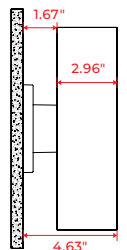
Cable Mount Conduit Cutout

Rigid Stem Conduit Cutout

Rigid Stem Conduit Cutout (Tilt up to 30°)



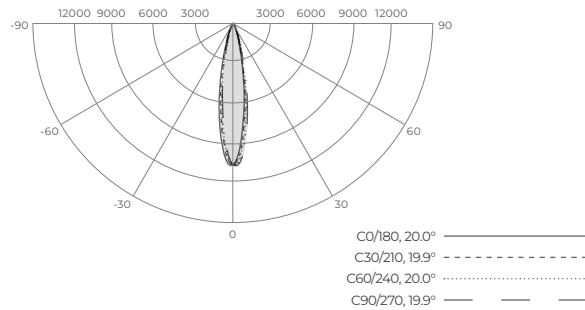
WALL MOUNT





PHOTOMETRICS - 3" - 19W - 3000K - 15°

AVERAGE BEAM ANGLE (50%): 20.0°



Luminance cd/(m2)

G(DEG)	C0/180	C90/270
85	1649	1653
80	1890	1776
75	2148	2008
70	2478	2197
65	2389	2046
60	2366	1946
55	2214	1973
50	2143	2029
45	2625	3221

ZONAL FLUX DIAGRAM

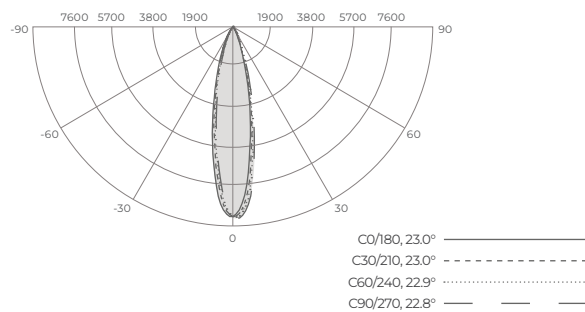
T	C0	C45	C90	C135	C180
10	471.7	546.9	625.2	645.3	605.1
20	107.4	121.8	143.7	153.9	148.8
30	29.94	32.67	39.65	46.36	46.43
40	1.377	1.586	2.125	2.882	2.337
50	0.6189	0.6106	0.5872	0.5603	0.5557
60	0.5313	0.4800	0.4381	0.4220	0.4168
70	0.3807	0.3703	0.3383	0.3215	0.3145
80	0.1474	0.1475	0.1388	0.1319	0.1268
90	0.0068	0.0070	0.0081	0.0097	0.0058
100	0.0081	0.0063	0.0059	0.0050	0.0068
110	0.0418	0.0340	0.0303	0.0269	0.0135
120	0.1636	0.1378	0.1179	0.1089	0.0528
130	0.5329	0.4671	0.4075	0.3896	0.1872
140	1.091	1.029	0.9648	0.9406	0.5986
150	1.427	1.400	1.375	1.355	1.159
160	1.517	1.505	1.510	1.499	1.437
170	1.296	1.328	1.366	1.360	1.323
180	1.123	1.132	1.117	1.122	1.125
DEG	LUMINOUS INTENSITY: cd				

ZONAL LUMEN SUMMARY

T	Φ TOTAL
0-10	720.6
10-20	1465
20-30	1786
30-40	1885
40-50	1893
50-60	1897
60-70	1901
70-80	1904
80-90	1904
90-100	1904
100-110	1905
110-120	1905
120-130	1907
130-140	1911
140-150	1918
150-160	1925
160-170	1929
170-180	1930
UNIT: lm	

PHOTOMETRICS - 3" - 19W - 3000K - 24°

AVERAGE BEAM ANGLE (50%): 24.0°



Luminance cd/(m2)

G(DEG)	C0/180	C90/270
85	1799	1285
80	2046	1551
75	2345	1788
70	2686	2100
65	2548	1987
60	2416	1954
55	2412	2021
50	2412	2180
45	3369	3781

ZONAL FLUX DIAGRAM

T	C0	C45	C90	C135	C180
10	4807	5344	5875	5878	5661
20	1195	1382	1733	1955	2012
30	225.6	258.8	392.2	538.5	636.6
40	18.06	19.42	22.89	29.28	42.44
50	6.808	6.838	6.339	5.468	5.259
60	5.304	5.263	4.419	3.542	3.155
70	4.033	3.894	3.249	2.546	2.225
80	1.560	1.494	1.218	0.9686	0.8398
90	0.0403	0.0363	0.0227	0.0344	0.0441
100	0.0660	0.0854	0.0636	0.0590	0.0792
110	0.5537	0.5009	0.3813	0.2660	0.1367
120	2.136	1.905	1.534	1.239	0.4761
130	6.010	5.482	4.738	4.299	1.957
140	11.52	10.98	10.20	9.706	6.133
150	15.09	14.86	14.47	14.06	11.65
160	15.80	15.74	15.85	15.72	14.76
170	13.75	14.06	14.46	14.40	13.89
180	12.47	12.65	12.54	12.58	15.56
DEG	LUMINOUS INTENSITY: cd				

ZONAL LUMEN SUMMARY

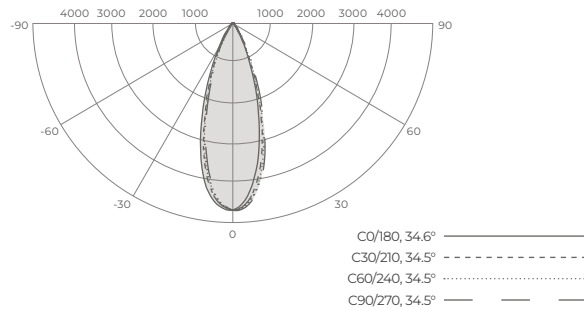
T	Φ TOTAL
0-10	658.7
10-20	1498
20-30	1886
30-40	1990
40-50	2000
50-60	2005
60-70	2008
70-80	2010
80-90	2011
90-100	2011
100-110	2011
110-120	2012
120-130	2014
130-140	2018
140-150	2026
150-160	2032
160-170	2037
170-180	2038
UNIT: lm	





PHOTOMETRICS - 3" - 19W - 3000K - 36°

AVERAGE BEAM ANGLE (50%): 34.5°



Luminance cd/(m2)

G(DEG)	C0/180	C90/270
85	1638	2732
80	1983	2612
75	2346	2856
70	2748	3061
65	2816	2843
60	2711	2981
55	2807	3098
50	2790	3128
45	2579	7390

ZONAL FLUX DIAGRAM

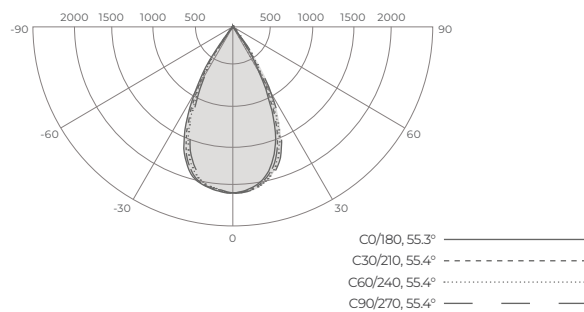
T	C0	C45	C90	C135	C180
10	3595	3908	4082	4076	4056
20	1587	1863	2067	2106	2070
30	353.8	470.9	561.4	588.3	597.8
40	26.15	33.17	41.54	50.65	47.64
50	7.895	8.743	9.090	8.243	7.956
60	5.966	6.681	6.739	6.147	5.847
70	4.137	4.787	4.733	4.427	4.039
80	1.515	1.914	2.051	1.871	1.608
90	0.0971	0.1263	0.2345	0.2182	0.1358
100	0.0661	0.0719	0.0860	0.0500	0.0749
110	0.5419	0.4114	0.3585	0.3065	0.1458
120	2.124	1.760	1.569	1.507	0.6628
130	5.342	4.735	4.362	4.286	2.381
140	9.396	8.753	8.345	8.255	5.784
150	12.63	12.23	12.00	11.87	9.829
160	13.57	13.42	13.47	13.35	12.42
170	12.47	12.62	12.73	12.58	12.36
180	12.20	12.31	12.21	12.21	12.27
DEG	LUMINOUS INTENSITY: cd				

ZONAL LUMEN SUMMARY

T	Φ TOTAL
0-10	407.4
10-20	1182
20-30	1649
30-40	1757
40-50	1770
50-60	1777
60-70	1782
70-80	1785
80-90	1785
90-100	1785
100-110	1786
110-120	1786
120-130	1788
130-140	1793
140-150	1799
150-160	1804
160-170	1808
170-180	1809
UNIT: lm	

PHOTOMETRICS - 3" - 19W - 3000K - 60°

AVERAGE BEAM ANGLE (50%): 55.4°



Luminance cd/(m2)

G(DEG)	C0/180	C90/270
85	2146	2984
80	2705	3096
75	3195	3429
70	3766	3822
65	3879	3561
60	3709	3796
55	3861	4161
50	3977	5334
45	5106	9375

ZONAL FLUX DIAGRAM

T	C0	C45	C90	C135	C180
10	1981	2010	2031	2033	2028
20	1569	1655	1750	1777	1755
30	676.7	822.6	968.2	1025	964.1
40	47.57	58.94	87.19	109.3	92.50
50	11.22	11.74	15.50	12.83	13.19
60	8.138	8.476	5.580	8.190	8.236
70	5.653	5.922	5.909	5.660	5.643
80	2.061	2.255	2.430	2.366	2.310
90	0.0660	0.0366	0.1216	0.2049	0.1615
100	0.1269	0.0922	0.0908	0.0611	0.0517
110	0.9131	0.7661	0.7257	0.5728	0.2291
120	2.535	2.285	2.135	1.907	1.039
130	4.857	4.582	4.184	4.071	2.760
140	7.482	7.196	6.907	6.621	5.135
150	9.748	9.476	9.285	9.017	7.562
160	10.83	10.72	10.71	10.48	9.347
170	11.26	11.26	11.29	11.13	10.65
180	11.61	11.72	11.65	11.65	11.67
DEG	LUMINOUS INTENSITY: cd				

ZONAL LUMEN SUMMARY

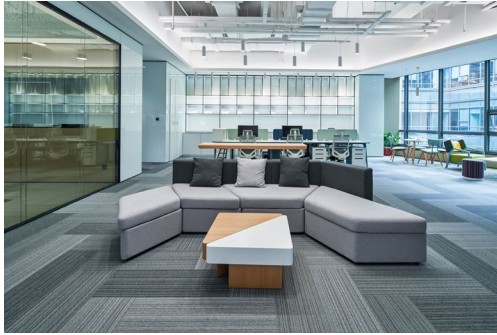
T	Φ TOTAL
0-10	195.1
10-20	719.7
20-30	1298
30-40	1535
40-50	1556
50-60	1565
60-70	1572
70-80	1576
80-90	1577
90-100	1577
100-110	1578
110-120	1579
120-130	1581
130-140	1585
140-150	1590
150-160	1594
160-170	1597
170-180	1598
UNIT: lm	





ADDITIONAL IMAGERY

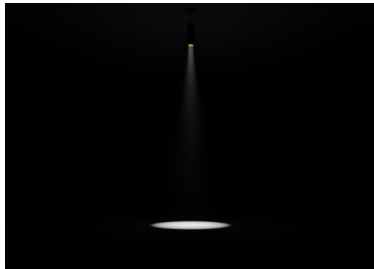
APPLICATION



BEAM ANGLE



15°



24°



36°



60°

HOUSING FINISH



Black



White



Silver

ROUND TRIMS



Round White
(WH)



Round Black
(BK)



Round Gold
(GD)

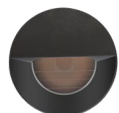


Round Chrome
(CH)

WALL WASH TRIMS



Round White
Wall Wash
(WW)



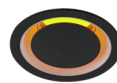
Round Black
Wall Wash
(WB)

DROP LENS

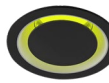


Frosted, 0.98"
Height (DL)

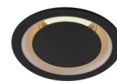
DECORATIVE KIT



Black Face
Plate, Yellow
(DYB)



Black Face
Plate, Green
(DGB)



Black Face
Plate,
Transparent
(DTB)



Black Face
Plate, Blue
(DBB)



Black Face
Plate, Red
(DRB)





ADDITIONAL IMAGERY (CONTINUED)

PENDANT MOUNT



Black Housing Finish

White Housing Finish

Silver Housing Finish

SURFACE MOUNT



Black Housing Finish

White Housing Finish

Silver Housing Finish

WALL MOUNT



Black Housing Finish

Silver Housing Finish

CYLINDER COMPONENTS

