

AR CYLINDER

Pendant, Surface and Wall Mount Luminaire



DESCRIPTION

AR Cylinders offer a versatile, modular DIY architectural lighting solution, available in pendant, wall, and surface mount configurations. Designed for adaptability, they feature five CCT selections, three wattage options, optional trims and reflectors, a variety of beam angles with optical lenses, and a range of compatible mounting kits.

APPLICATION

Ideal for indoor spaces such as offices, retail areas, lobbies, conference rooms, and other modern settings, this fixture combines exceptional performance with an elegant touch to enhance any atmosphere.

LENGTHS

Offered in diameters of 3", 4", 6", and 8"

FEATURES

- Standard 5 CCT Selectable 2700K-3000K-3500K-4000K-5000K available on 3, 4 and 6"
- Single CCT only available for 8", 2700K-3000K-3500K-

4000K-5000K

- CRI 90+
- 0-10V and TRIAC Dimming standard.
- Additional control types are available (DALI & MESH) at an additional cost.

OPTICS

- Optical lenses available with a range of beam angles.
- 3 1/4" sizes: 20°, 30°, 40°, 50°
- 6 7/8" sizes: 25°, 36°, 60°

CONSTRUCTION

- Precision cut housing extruded from 6063 aluminum.
- The height of the cylinder can be customized.
- Operating temperature range: -25° C to 40° C.

FINISH

- Powder coated white, black or gray are standard.
- Custom RAL colors Available.

MOUNTING

Architectural cylinders are offered in stem, cable hung, wall mounted, and surface mounted options.

Warranty

5 year warranty standard, Optional 10 year warranty available upon request.

LISTINGS/COMPLIANCE

- ETL - Listed for damp location.

*IES Files available upon request or visit vivid-forms.com

ORDERING INFORMATION

Series	Diameter/Output	Voltage	Color Temperature	Dimming	Optics	Finish	Mounting	Trim Style	Accessories
ordered separately									
Series	Diameter/Output	Voltage	Color temperature	Dimming	Optics	Finish			
AR Architectural Round Cylinder	3 - 3"	15 - 9W / 12W / 15W	UNV - 120-277V	5CCT - 27K/30K/30K/40K/50K 27 ¹ - 27K 30 ¹ - 30K 35 ¹ - 35K 40 ¹ - 40K 50 ¹ - 50K	DM - 0-10V/TRIAC Dimming DA - DALI ME - MESH	20 - 20° 25 ² - 25° 30 - 30° 36 ² - 36° 40 - 40° 50 - 50° 60 ² - 60°	WH - White BK - Black GR - Gray CC - Custom Color		
	4 - 4"A	30 - 18W / 24W / 30W							
	4 - 4"B	40 - 20W / 30W / 40W							
	6 - 6"	55 - 45W / 50W / 55W							
	8 - 8"	90 - 70W / 80W / 90W							

Mounting

- WM - Wall Mount
- CH - Cable Hung
- SH - Stem Mount
- SM - Surface Mount

Trim Style/Regress Cone/Reflector/Lampshade

- FRO3 - 3" Baffle Trim
- FRO4 - 4" Baffle Trim
- FRO6 - 6" Baffle Trim
- FRO8 - 8" Slim Trim
- RHO3 - 3" Deep Regress Trim Holder
- RHO4 - 4" Deep Regress Trim Holder
- RTWH - 3 1/4" White Cone
- RTBK - 3 1/4" Black Cone
- RTSL - 3 1/4" Silver Cone
- RTCO - 3 1/4" Copper Cone
- AS06WH - 6 7/8" Aluminum Lampshade White
- AS06BK - 6 7/8" Aluminum Lampshade Black

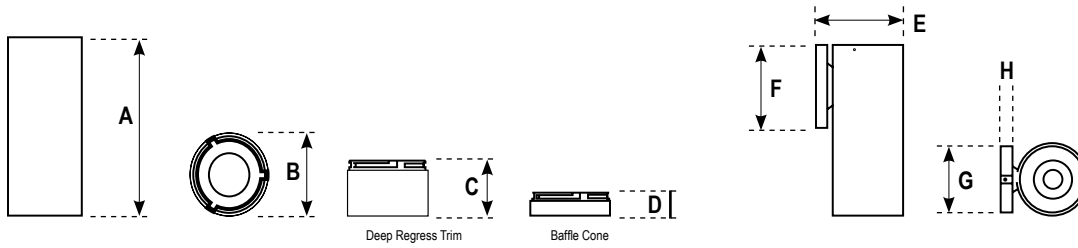
Notes:

1. Available exclusively in 8"
2. Offered in 6" and 8" sizes only

ACCESSORIES

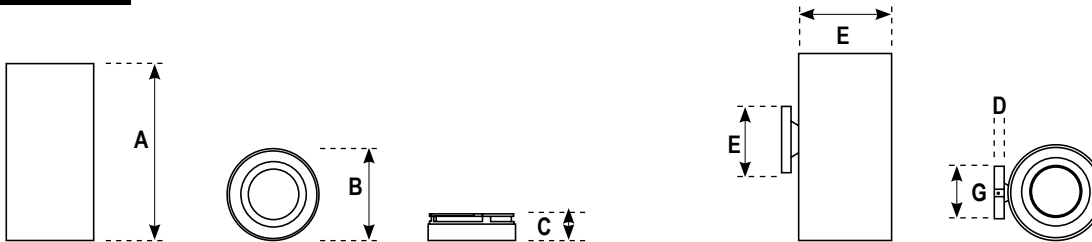
Wall Mount Kit	Canopy	Stem/Cable	Accessories
WMC - Wall Mount Canopy & Arm	SCKD - Canopy with recessed J-Box	S01BK - Linkable Stem	EM - Emergency back-up
RSW3/4A/4B/6/8-BK/WH - Round shell for wall mount 3 1/4"/6"/8" Black/White	SCKF - Canopy with Surface J-Box	33AC5C - 3'5-Core 300V Cable	BM - Mesh Contro
	SCKE - Canopy with Conduit	43AC5C - 4'5-Core 300V Cable	
	SCKG - Cable & Lanyard Canopy with recessed J-Box	63AC5C - 6'5-Core 300V Cable	
	SCKH - Square Canopy with recessed J-Box	83AC5C - 8'5-Core 300V Cable	

3"/4" DIMENSION



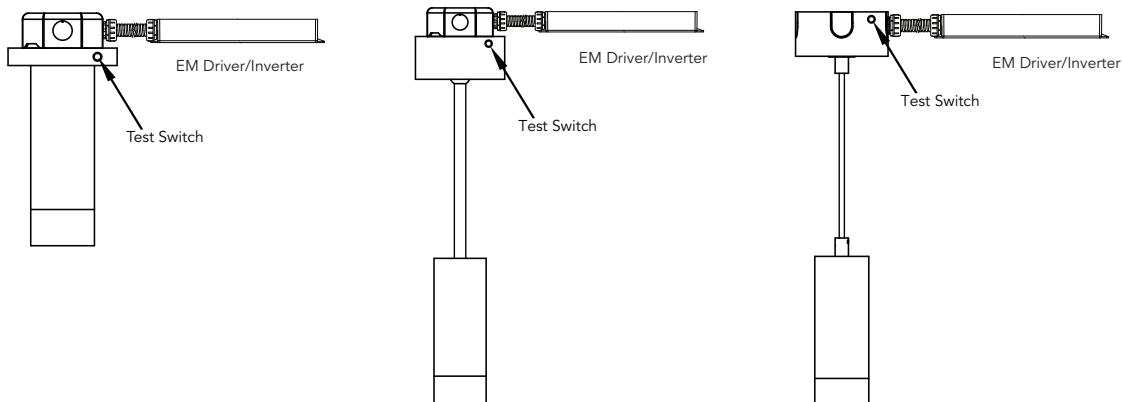
Size	A Height	B Diameter	C Trim Height	D Baffle Cone Height	Total Height w/ Deep Regress Trim	Total Height w/ Baffle Cone Height	E total Length including Bracket	F Bracket Height	G Back Length	H Bracket Width
3"	6.5"	2.87"	1.63"	0.59"	8.13"	7.09"	3.96"	5.39"	4.25"	1.18"
4"A	8"	4.72"	2.57"	0.78"	10.57"	8.78"	5.84"	5.39"	4.25"	1.18"
4"B	11"	4.72"	2.57"	0.78"	13.57"	11.78"	5.84"	5.39"	4.25"	1.18"

6"/8" DIMENSION

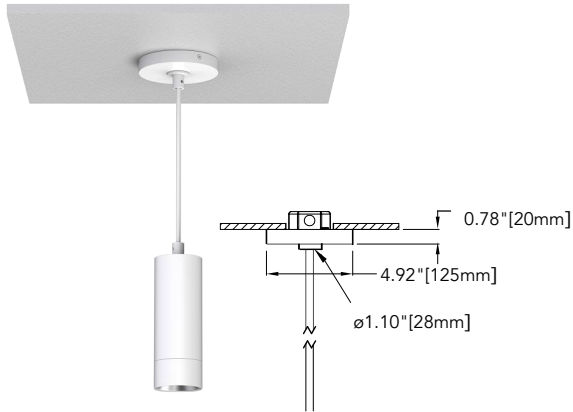


Size	A Height	B Diameter	C Trim Height	Total Height w/ Baffle Cone Height	D total Length including Bracket	E Bracket Height	F Back Length	G Bracket Width
6"	13.2"	5.55"	0.59"	13.79"	3.96"	5.39"	4.25"	1.18"
8"	17"	7.87"			5.84"	5.39"	4.25"	1.18"

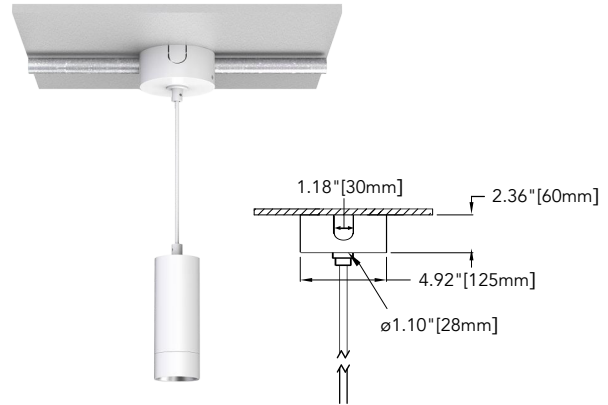
EM OPTION



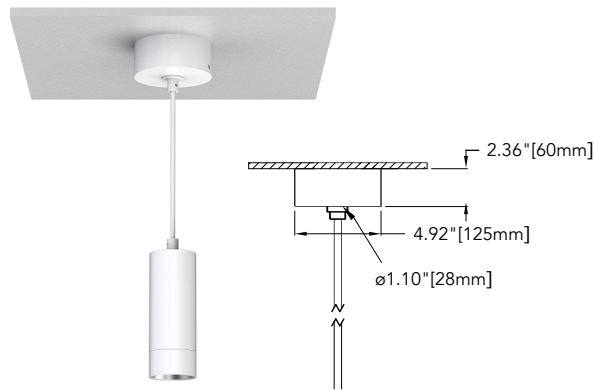
MOUNTING OPTIONS



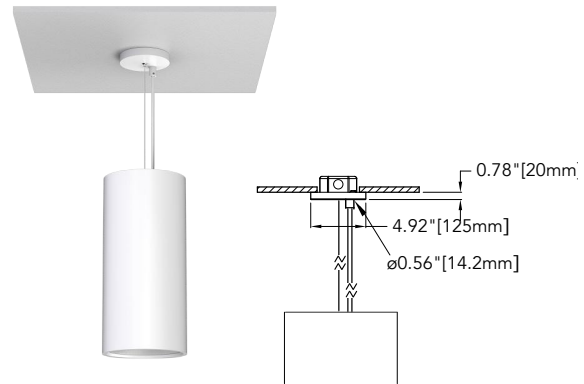
SCKD - Canopy with recessed J-box



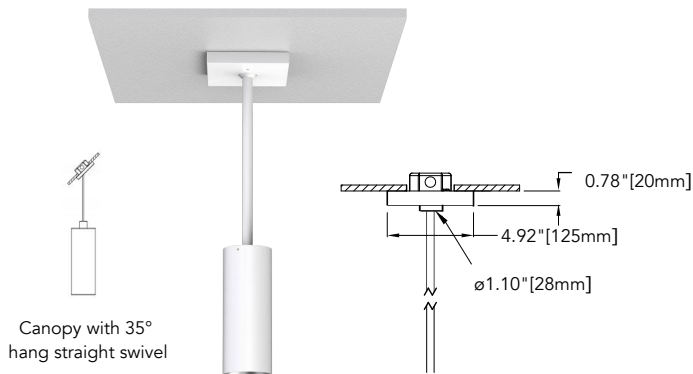
SCKE - Canopy with conduit



SCKF - Canopy with surface J-box

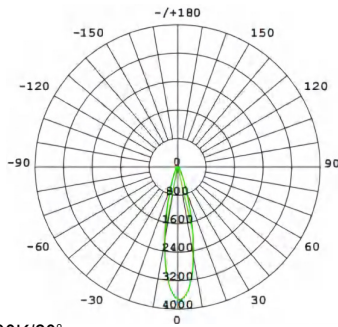


SCKG - Cable & lanyard canopy with recessed J-box (6" & 8")



SCKH - Square canopy with recessed J-box

PHOTOMETRICS



3"/9W/5000K/20°

Average Beam Angle (50%) : 24.1°

Lumen:1291.45lm

Total Lumens:3752 lm

Input Watts: 9W

Efficacy:107.67lm/W

Zonal Flux Diagram

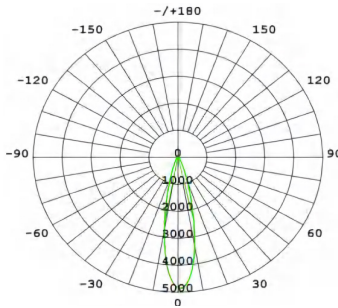
Y	C0	C45	C90	C135	C180
2551	2638	2563	2681	2117	2176
714.6	754.0	747.1	796.8	567.5	1260
198.5	206.6	211.6	227.2	175.3	421.1
79.57	82.16	84.89	88.12	76.31	146.5
42.49	44.00	45.12	46.55	42.58	70.99
24.37	25.41	25.58	26.59	24.08	36.34
12.82	13.61	13.51	14.28	12.49	16.31
4.093	4.544	4.472	4.916	3.953	4.755
0.0785	0.0721	0.1395	0.3808	0	0
DEG	LUMINOUSINTENSITY:cd/klm				

Zonal Lumens

Y	Φ Zone	Φ Total
00-10	285.6	285.6
10-20	363.2	648.8
20-30	162.2	811.0
30-40	74.87	885.9
40-50	44.19	930.1
50-60	29.05	959.1
60-70	18.00	977.1
70-80	8.529	985.7
80-90	1.865	987.5
UNIT:lm/klm		

Zonal Lumens

G(DEG)	C0/180	C90/270
85	467	513
80	601	647
75	683	734
70	767	822
65	855	916
60	944	997
55	1140	1279
50	2200	2566
45	4735	5283



3"/12W/5000K/20°

Average Beam Angle (50%) : 24.1°

Lumen:1532.12lm

Total Lumens:4882 lm

Input Watts: 12W

Efficacy:105.86lm/W

Zonal Flux Diagram

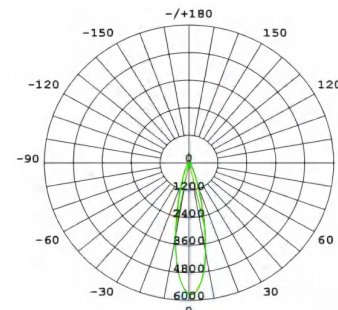
Y	C0	C45	C90	C135	C180
10	3323	3432	3332	3489	2743
20	931.0	980.0	974.0	1039	739.9
30	259.1	268.8	276.4	296.4	228.7
40	104.0	107.4	110.8	115.2	99.72
50	55.58	57.57	58.88	60.85	55.53
60	31.88	33.07	33.42	34.62	31.47
70	16.80	17.69	17.70	18.60	16.33
80	5.386	5.939	5.893	6.443	5.148
90	0.1301	0.1178	0.2302	0.5289	0
DEG	LUMINOUSINTENSITY:cd/klm				

Zonal Lumens

Y	Φ Zone	Φ Total
00-10	371.7	371.7
10-20	472.2	843.9
20-30	211.7	1056
30-40	97.91	1154
40-50	57.65	1211
50-60	37.93	1249
60-70	23.50	1273
70-80	11.15	1284
80-90	2.457	1286
UNIT:lm/klm		

Zonal Lumens

G(DEG)	C0/180	C90/270
85	308	329
80	398	433
75	521	553
70	629	661
65	723	754
60	817	853
55	932	990
50	1108	1169
45	1337	1413



3"/15W/5000K/20°

Average Beam Angle (50%) : 24.1°

Lumen:4143.53lm

Total Lumens:5763 lm

Input Watts: 15W

Efficacy:103.52lm/W

Zonal Flux Diagram

Y	C0	C45	C90	C135	C180
10	3928	4054	3920	4129	3237
20	1106	1161	1146	1231	882.9
30	308.4	320.9	327.9	353.3	275.1
40	123.8	128.3	131.8	139.2	119.9
50	66.11	68.82	70.27	72.67	66.85
60	38.00	39.70	39.77	41.35	37.85
70	20.03	21.31	21.04	22.19	19.61
80	6.432	7.123	6.976	7.698	6.237
90	0.1404	0.1610	0.2462	0.6532	0
DEG	LUMINOUSINTENSITY:cd/klm				

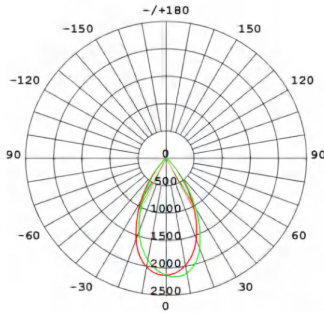
Zonal Lumens

Y	Φ Zone	Φ Total
00-10	439.0	439.0
10-20	559.3	998.3
20-30	251.8	1250
30-40	117.1	1367
40-50	68.89	1436
50-60	45.36	1481
60-70	28.11	1510
70-80	13.34	1523
80-90	2.946	1526
UNIT:lm/klm		

Zonal Lumens

G(DEG)	C0/180	C90/270
85	367	386
80	475	512
75	624	656
70	752	784
65	863	897
60	975	1014
55	1112	1177
50	1320	1393
45	1591	1682

PHOTOMETRICS



4\"A/18W/5000K/50°

Average Beam Angle (50%) : 55.3°

Lumen:2425.76lm

Total Lumens:2169 lm

Input Watts: 18W

Efficacy:104.98lm/W

Zonal Flux Diagram

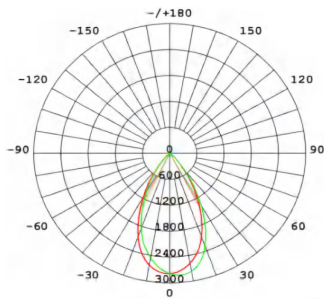
Y	C0	C45	C90	C135	C180
10	1981	2072	2124	2127	2011
20	1571	1699	1747	1766	1567
30	941.7	1039	1061	1094	901.2
40	344.2	386.5	389.6	425.6	305.4
50	76.22	82.42	84.92	94.04	60.46
60	21.73	22.05	21.73	21.57	20.02
70	12.54	12.96	12.80	12.82	10.99
80	5.304	5.459	5.442	5.601	4.296
90	0.0040	0.0264	0.0801	0.3330	0
DEG	LUMINOUSINTENSITY:cd/klm				

Zonal Lumens

Y	Φ Zone	Φ Total
00-10	197.3	197.3
10-20	508.7	706.0
20-30	573.8	1280
30-40	380.2	1660
40-50	132.2	1792
50-60	31.21	1823
60-70	16.23	1840
70-80	8.664	1848
80-90	2.341	1851
UNIT:lm/klm		

Zonal Lumens

G(DEG)	C0/180	C90/270
85	332	343
80	366	372
75	401	407
70	439	444
65	485	489
60	521	516
55	654	698
50	1421	1568
45	2847	3123



4\"A/24W/5000K/50°

Average Beam Angle (50%) : 55.3°

Lumen:2936.4lm

Total Lumens:2830 lm

Input Watts: 24W

Efficacy:101.92lm/W

Zonal Flux Diagram

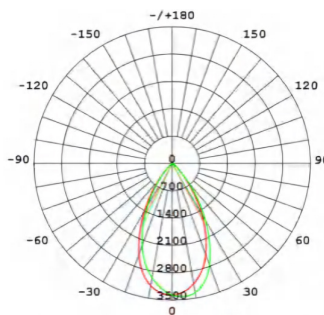
Y	C0	C45	C90	C135	C180
10	2583	2703	2770	2774	2622
20	2049	2215	2279	2303	2047
30	1230	1350	1384	1429	1177
40	449.0	501.9	508.7	556.8	399.1
50	99.45	107.7	110.9	122.2	78.67
60	28.42	28.83	28.40	28.25	26.17
70	16.41	16.95	16.76	16.84	14.39
80	6.937	7.130	7.106	7.320	5.622
90	0.0269	0.0433	0.1496	0.4206	0
DEG	LUMINOUSINTENSITY:cd/klm				

Zonal Lumens

Y	Φ Zone	Φ Total
00-10	257.4	257.4
10-20	663.7	921.1
20-30	749.1	1670
30-40	496.6	2167
40-50	172.8	2340
50-60	40.62	2380
60-70	21.22	2401
70-80	11.34	2413
80-90	3.077	2416
UNIT:lm/klm		

Zonal Lumens

G(DEG)	C0/180	C90/270
85	433	455
80	479	486
75	525	531
70	575	582
65	634	639
60	682	674
55	855	913
50	1855	2049
45	3721	4080



4\"A/30W/5000K/50°

Average Beam Angle (50%) : 55.3°

Lumen:1153.74 lm

Total Lumens: 4882 lm

Input Watts: 30

Efficacy:98.87lm/W

Zonal Flux Diagram

Y	C0	C45	C90	C135	C180
10	3128	3269	3353	3362	3173
20	2483	2679	2761	2790	2475
30	1492	1635	1677	1728	1419
40	554.5	608.2	632.0	674.5	480.0
50	121.7	130.7	135.9	150.3	94.87
60	34.55	34.93	34.54	34.29	31.71
70	19.98	20.55	20.40	20.47	17.40
80	8.460	8.691	8.693	8.920	6.790
90	0.0471	0.0720	0.2120	0.5367	0
DEG	LUMINOUSINTENSITY:cd/klm				

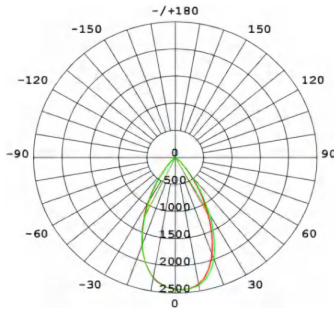
Zonal Lumens

Y	Φ Zone	Φ Total
00-10	311.6	311.6
10-20	803.2	1115
20-30	906.1	2021
30-40	601.6	2622
40-50	209.6	2832
50-60	49.31	2881
60-70	25.76	2907
70-80	13.77	2921
80-90	3.744	2925
UNIT:lm/klm		

Zonal Lumens

G(DEG)	C0/180	C90/270
85	532	556
80	587	593
75	643	647
70	704	707
65	776	777
60	832	819
55	1048	1114
50	2281	2507
45	4547	4970

PHOTOMETRICS



4"B/20W/5000K/50°

Average Beam Angle (50%) : 55.7°

Lumen:2996.92 lm

Total Lumens:2448 lm

Input Watts: 20W

Efficacy:108.68lm/W

Zonal Flux Diagram

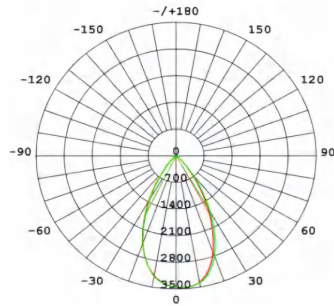
Y	C0	C45	C90	C135	C180
10	2364	2396	2386	2351	2243
20	1889	1971	1989	1942	1719
30	1102	1186	1204	1201	975.6
40	382.5	435.6	435.5	455.9	319.8
50	76.99	89.21	90.30	96.94	61.36
60	25.52	26.46	27.09	27.01	23.74
70	14.17	14.86	15.27	15.47	12.67
80	5.631	5.952	6.111	6.268	4.527
90	0	0	0.0001	0	0
DEG	LUMINOUSINTENSITY:cd/klm				

Zonal Lumens

Y	Φ Zone	Φ Total
00-10	226.8	226.8
10-20	589.0	815.8
20-30	659.8	1476
30-40	423.7	1899
40-50	141.4	2041
50-60	34.07	2075
60-70	18.75	2094
70-80	9.621	2103
80-90	2.214	2105
UNIT:lm/klm		

Zonal Lumens

G(DEG)	C0/180	C90/270
85	256	277
80	325	351
75	371	398
70	415	446
65	463	497
60	511	541
55	614	679
50	1200	1403
45	2596	2888



4"B/30W/5000K/50°

Average Beam Angle (50%) : 55.7°

Lumen:3873.62 lm

Total Lumens:3474 lm

Input Watts: 30W

Efficacy:102.63lm/W

Zonal Flux Diagram

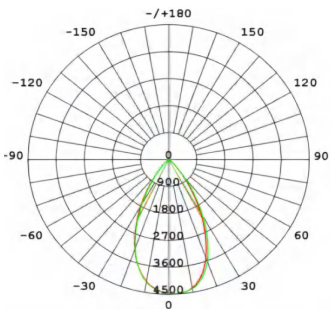
Y	C0	C45	C90	C135	C180
10	3368	3400	3390	3331	3189
20	2697	2795	2812	2751	2448
30	1570	1683	1702	1699	1391
40	555.0	619.5	630.6	646.7	456.1
50	109.4	129.9	128.4	139.7	87.30
60	36.29	37.70	38.52	38.39	33.81
70	20.17	21.27	21.73	21.99	18.09
80	8.069	8.477	8.744	8.909	6.489
90	0	0	0.0007	0	0
DEG	LUMINOUSINTENSITY:cd/klm				

Zonal Lumens

Y	Φ Zone	Φ Total
00-10	322.2	322.2
10-20	837.0	1159
20-30	937.2	2096
30-40	602.9	2699
40-50	201.4	2901
50-60	48.46	2949
60-70	26.69	2976
70-80	13.71	2989
80-90	3.168	2993
UNIT:lm/klm		

Zonal Lumens

G(DEG)	C0/180	C90/270
85	361	393
80	464	502
75	527	567
70	589	633
65	658	706
60	725	767
55	870	963
50	1701	1989
45	3655	4103



4"B/40W/5000K/50°

Average Beam Angle (50%) : 55.7°

Lumen:1138.65 lm

Total Lumens:4490 lm

Input Watts: 40W

Efficacy:96.12lm/W

Zonal Flux Diagram

Y	C0	C45	C90	C135	C180
10	4349	4390	4371	4303	4128
20	3477	3604	3622	3551	3175
30	2024	2169	2191	2195	1805
40	705.8	798.0	801.9	836.6	591.9
50	140.9	172.9	165.3	183.0	114.1
60	47.07	48.88	49.97	49.81	44.05
70	26.15	27.50	28.16	28.52	23.58
80	10.41	11.04	11.26	11.59	8.490
90	0.0001	0	0.0005	0	0
DEG	LUMINOUSINTENSITY:cd/klm				

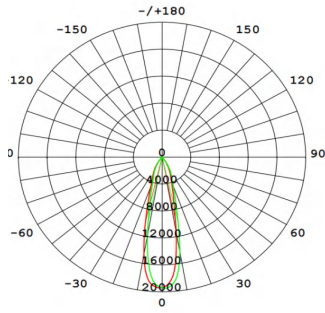
Zonal Lumens

Y	Φ Zone	Φ Total
00-10	416.5	416.5
10-20	1082	1498
20-30	1211	2709
30-40	778.6	3488
40-50	260.8	3749
50-60	62.93	3811
60-70	34.63	3846
70-80	17.79	3864
80-90	4.121	3868
UNIT:lm/klm		

Zonal Lumens

G(DEG)	C0/180	C90/270
85	467	513
80	601	647
75	683	734
70	767	822
65	855	916
60	944	997
55	1140	1279
50	2200	2566
45	4735	5283

PHOTOMETRICS



6"/53W/5000K/25°

Average Beam Angle (50%) : 24.8°

Lumen:5809.62 lm

Total Lumens:19732 lm

Input Watts: 53W

Efficacy:109.62lm/W

Zonal Flux Diagram

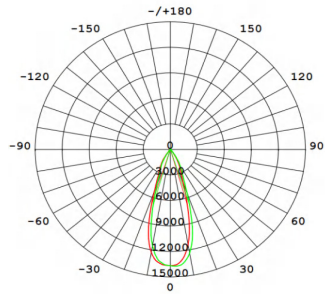
Y	C0	C45	C90	C135	C180
10	1129	1249	1428	1710	1469
20	380.6	396.3	449.3	563.6	465.5
30	169.2	183.3	211.3	259.9	222.3
40	12.86	22.45	27.99	63.29	41.89
50	7.026	7.687	7.519	7.402	7.574
60	2.582	3.239	4.430	6.430	4.889
70	0.4725	0.5026	0.4698	0.6141	0.5888
80	0.1200	0.1312	0.1728	0.2451	0.1969
90	0	0	0	0	0
DEG	LUMINOUSINTENSITY:cd/klm				

Zonal Lumens

Y	Φ Zone	Φ Total
00-10	1569	1569
10-20	2075	3643
20-30	1349	4992
30-40	641.1	5633
40-50	84.21	5718
50-60	61.10	5779
60-70	13.64	5792
70-80	3.497	5796
80-90	0.4677	5796
		UNIT:lm/klm

Zonal Lumens

G(DEG)	C0/180	C90/270
85	0	1
80	32	45
75	56	59
70	63	62
65	77	93
60	237	403
55	568	650
50	502	532
45	435	479



6"/53W/5000K/36°

Average Beam Angle (50%) : 14.5°

Lumen:5704.04 lm

Total Lumens:13737 lm

Input Watts: 53W

Efficacy:109.48lm/W

Zonal Flux Diagram

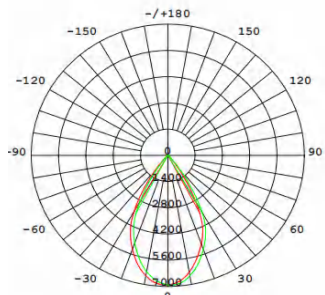
Y	C0	C45	C90	C135	C180
10	1135	1199	1235	1295	1229
20	420.7	466.2	549.9	663.6	520.4
30	174.4	191.4	214.3	247.2	211.7
40	17.70	27.31	36.05	62.48	41.91
50	4.347	4.785	5.042	5.649	5.307
60	1.466	1.739	1.857	2.226	2.076
70	0.4144	0.4682	0.5489	0.7003	0.5839
80	0.0825	0.0976	0.1201	0.1561	0.1175
90	0	0	0	0	0
DEG	LUMINOUSINTENSITY:cd/klm				

Zonal Lumens

Y	Φ Zone	Φ Total
00-10	1230	1230
10-20	2308	3538
20-30	1384	4922
30-40	652.3	5574
40-50	81.04	5656
50-60	26.43	5682
60-70	10.34	5692
70-80	2.757	5695
80-90	0.2919	5695
		UNIT:lm/klm

Zonal Lumens

G(DEG)	C0/180	C90/270
85	0	1
80	22	31
75	38	46
70	55	73
65	90	122
60	134	169
55	187	236
50	309	356
45	389	510



6"/53W/5000K/60°

Average Beam Angle (50%) : 58.2°

Lumen:5669.71 lm

Total Lumens:6968 lm

Input Watts: 53W

Efficacy:108.82lm/W

Zonal Flux Diagram

Y	C0	C45	C90	C135	C180
10	6333	6424	6529	6708	6524
20	5027	5190	5328	5569	5325
30	2900	3174	3525	3984	3490
40	525.9	659.7	830.9	1195	848.9
50	83.94	99.82	118.8	157.2	112.1
60	18.82	21.45	23.31	27.48	23.10
70	6.337	6.792	7.071	8.391	7.440
80	1.262	1.463	1.736	2.387	1.770
90	0	0	0	0	0
DEG	LUMINOUSINTENSITY:cd/klm				

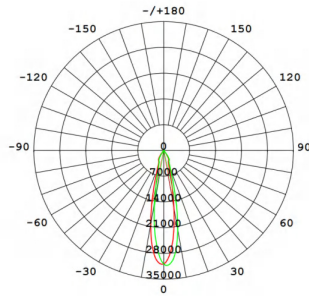
Zonal Lumens

Y	Φ Zone	Φ Total
00-10	637.3	637.3
10-20	1637	2274
20-30	1970	4244
30-40	1132	5376
40-50	223.3	5599
50-60	43.39	5643
60-70	12.31	5655
70-80	4.145	5659
80-90	0.4133	5659
		UNIT:lm/klm

Zonal Lumens

G(DEG)	C0/180	C90/270
85	0	1
80	33	45
75	63	71
70	84	94
65	115	135
60	171	212
55	287	381
50	595	840
45	1265	1846

PHOTOMETRICS



8W/80W/4000K/25°

Average Beam Angle (50%) : 22.5°

Lumen:7530.94 lm

Total Lumens:32266 lm

Input Watts: 80W

Efficacy:97.30lm/W

Zonal Flux Diagram

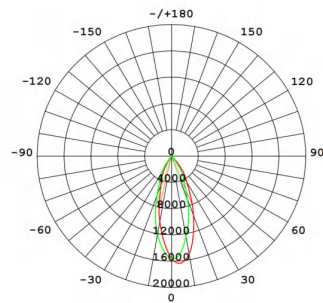
Y	C0	C45	C90	C135	C180
10	1590	1897	2186	2576	2025
20	388.4	457.8	549.8	680.6	462.9
30	266.4	261.8	297.2	297.9	285.3
40	10.34	20.41	39.14	90.91	30.41
50	4.605	5.361	5.534	6.241	5.210
60	2.877	3.176	3.387	3.657	3.178
70	1.097	1.286	1.561	1.928	1.533
80	0.1476	0.2017	0.2757	0.4368	0.3013
90	0.0000	0	0	0	0
DEG	LUMINOUSINTENSITY:cd/klm				

Zonal Lumens

Y	Φ Zone	Φ Total
00-10	2310	2310
10-20	2642	4951
20-30	1535	6486
30-40	891.7	7378
40-50	75.00	7453
50-60	36.14	7489
60-70	22.82	7512
70-80	7.377	7519
80-90	0.5926	7520
UNIT:lm/klm		

Zonal Lumens

G(DEG)	C0/180	C90/270
85	0	7
80	28	51
75	66	93
70	105	148
65	161	196
60	188	219
55	206	237
50	235	278
45	286	359



8W/80W/4000K/36°

Average Beam Angle (50%) : 36.0°

Lumen:7448.13 lm

Total Lumens:16358 lm

Input Watts: 80W

Efficacy:95.98lm/W

Zonal Flux Diagram

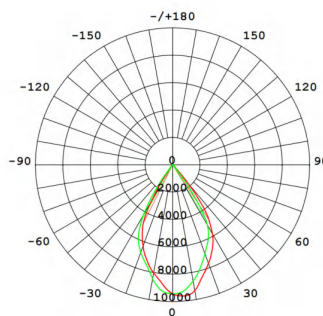
Y	C0	C45	C90	C135	C180
10	1513	1436	1246	1131	1018
20	953.7	903.2	697.9	566.8	475.1
30	453.8	432.0	338.8	278.8	174.4
40	153.9	103.9	25.52	14.91	9.838
50	9.820	8.690	6.922	5.975	5.062
60	4.997	4.765	4.081	3.514	2.908
70	2.802	2.624	1.805	1.211	0.8072
80	0.7595	0.6202	0.3238	0.1417	0.0132
90	0.0080	0.0002	0.0000	0.0005	0
DEG	LUMINOUSINTENSITY:cd/klm				

Zonal Lumens

Y	Φ Zone	Φ Total
00-10	1326	1326
10-20	2653	3979
20-30	2201	6180
30-40	1043	7223
40-50	125.2	7348
50-60	46.23	7395
60-70	27.61	7422
70-80	9.417	7432
80-90	1.048	7433
UNIT:lm/klm		

Zonal Lumens

G(DEG)	C0/180	C90/270
85	94	12
80	141	60
75	194	106
70	263	170
65	292	231
60	321	263
55	368	292
50	491	347
45	973	466



8W/80W/4000K/60°

Average Beam Angle (50%) : 60.1°

Lumen:7483.99 lm

Total Lumens:16358 lm

Input Watts: 80W

Efficacy:95.98lm/W

Zonal Flux Diagram

Y	C0	C45	C90	C135	C180
10	9351	9137	8634	8317	8032
20	7665	7360	6907	6678	6329
30	5813	5691	5076	4355	3224
40	1545	1172	507.5	323.2	180.3
50	117.3	106.3	81.39	73.07	58.87
60	48.29	45.94	40.05	37.32	31.97
70	24.13	22.73	17.93	14.33	10.59
80	6.293	5.626	3.652	2.372	0.6892
90	0.0003	0	0	0	0
DEG	LUMINOUSINTENSITY:cd/klm				

Zonal Lumens

Y	Φ Zone	Φ Total
00-10	860.5	860.5
10-20	2172	3033
20-30	2723	5756
30-40	1465	7221
40-50	160.8	7381
50-60	50.96	7432
60-70	27.94	7460
70-80	9.513	7470
80-90	0.9433	7471
UNIT:lm/klm		

Zonal Lumens

G(DEG)	C0/180	C90/270
85	66	10
80	117	68
75	161	113
70	227	169
65	269	222
60	311	258
55	391	308
50	587	408
45	1234	690