

COSMO

Snaptrim Canless Downlight



DESCRIPTION

The Cosmo SnapTrim Canless Downlight is a high-performance, canless LED solution with adjustable wattage and color temperature, designed for simple installation, flexible configurations, and consistent, high-quality illumination.

APPLICATION

Perfect for a wide range of indoor environments including offices, schools, hospitals, hotels, supermarkets, retail spaces, and more. This fixture delivers reliable, high-performance illumination that enhances any space.

SIZE

Available in 4", 6", 8", and 10" sizes.

FEATURES

- CRI options 80+
- 0-10V Dimming
- No Recessed housing or bulb require.

CONSTRUCTION

Engineered with a modular, twist-lock design with an integrated junction box, allowing tool-free installation without traditional recessed cans for new construction or retrofit applications. Damp rated in operating ambient temperatures of -20°C - 40°C.

MOUNTING

Canless Downlight mounts directly into the ceiling using adjustable butterfly clips with optional new construction frame kits, requiring no recessed housing.

WARRANTY

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

LISTINGS/COMPLIANCE

- UL
- Energy Star
- Damp Location rated



ORDERING INFORMATION

Series	Aperture	Wattage Package	Voltage	Color temperature	Control	Trim Shape	Trim Finish	Accessories

ordered separately

Series	Aperture	Wattage Package	Voltage	Color temperature	Control
CCD SnapTrim Canless Downlight	4 - 4" 6 - 6" 8 - 8" 10 - 10"	1020 - Watt. Selectable 10W/15W/20W 2740 - Watt. Selectable 27W/34W/40W	U - 110-277V	3CCTA - Color Temperature Selectable 3000K/3500K/4000K 3CCTB ¹ - Color Temperature Selectable 3000K/4000K/5000K	D10 - 0-10V Dimming

Trim Shape	Trim Finish
RT - Round Trim	WH - White
ST - Square Trim	
RW - Round Wall Wash Trim	
SW - Square Wall Wash Trim	

Notes:
1. only available in 20W-35W Watt

ACCESSORIES

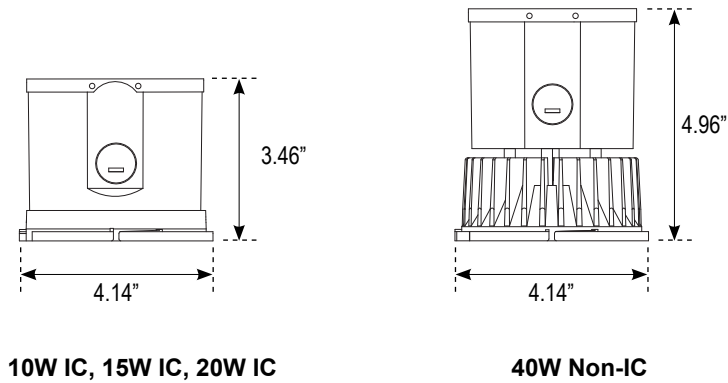
- Options
- 48FK - 4", 6", 8" New Construction Frame Kit
 - 10FK - 10" Frame Kit
 - EM - Emergency Backup

PERFORMANCE

Engine Module	Lumen Output			Type
	High	Medium	Low	
1020 - Max 20W	20w: 1,500lm	15w: 1,170lm	10w: 800lm	IC
2740 - Max 40W	40w: 3,200lm	34w: 2,890lm	27w: 2,430lm	NON-IC

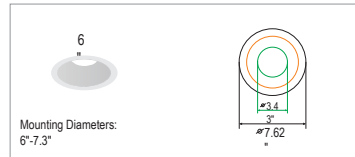
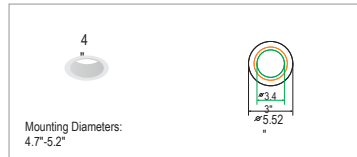
Remark: Maximum 20W with 4", 6", 8" trims and maximum 40w with 4", 6", 8", 10" trims are listed on Energy Star. All efficacy is $\pm 5\%$ base on different CCT and Trims. Check the IES file to gain the accurate data .

DIMENSION

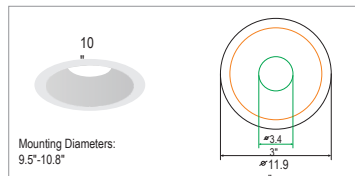
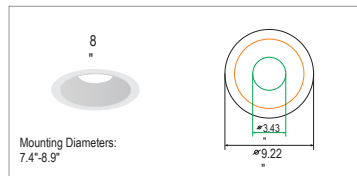


TRIMS

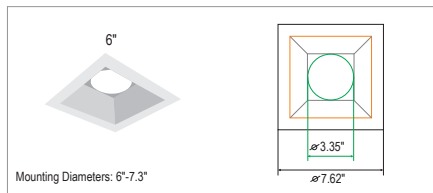
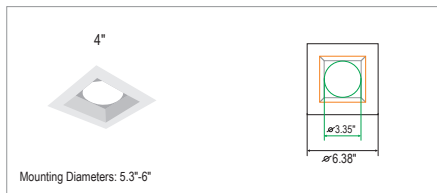
Round Trims



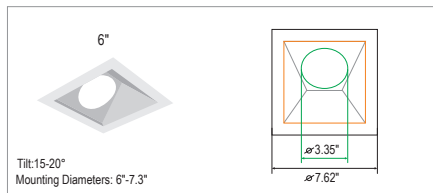
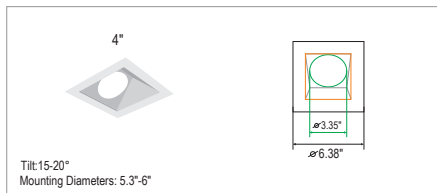
Round Wall Wash Trims



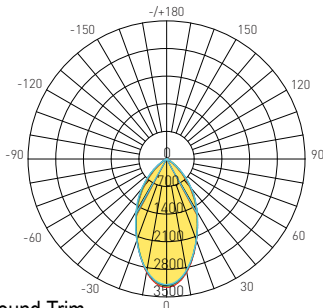
Square Trims



Square Wall Wash Trims



PHOTOMETRICS



6" 40W Round Trim

Average Beam Angle (50%) : 57.4°

Lumen:3326 lm
Input Watts: 40W
Efficacy:83.2lm/W

UNIT:cd
 C0/180,56.4 °
 C30/210,56.9 °
 C60/240,57.9 °
 C90/270,58.4 °

Zonal Flux Diagram

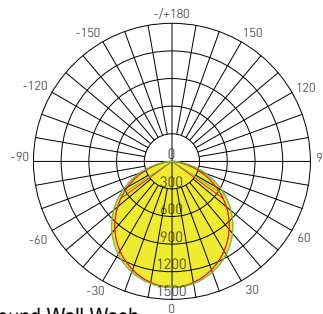
Y	C0	C45	C90	C135	C180
10	2916	2896	2871	2857	2912
20	2201	2209	2188	2161	2186
30	1521	1544	1542	1506	1498
40	891.0	956.2	972.7	929.2	869.3
50	335.4	424.5	441.2	395.6	321.0
60	58.83	91.82	97.54	78.63	54.01
70	3.285	2.050	1.504	1.915	3.235
80	1.606	0.8562	0.5011	0.8066	1.591
90	0.1094	0.0676	0.0949	0.0811	0.0721
100	0.0902	0.0812	0.0857	0.0992	0.0993
110	0.1532	0.2302	0.2280	0.2212	0.1986
120	0.5046	0.6317	0.6711	0.6273	0.5778
130	1.262	1.372	1.496	1.403	1.359
140	2.366	2.405	2.542	2.450	2.455
150	3.683	3.717	3.809	3.735	3.735
160	5.157	5.110	5.117	5.088	5.184
170	6.245	6.183	6.145	6.160	6.273
180	6.732	6.710	6.593	6.620	6.755
DEG	LUMINOUS INTENSITY:cd				

Zonal Lumens

Y	Φ Total
0-10	289.3
10-20	997.9
20-30	1840
30-40	2601
40-50	3101
50-60	3290
60-70	3317
70-80	3318
80-90	3319
90-100	3319
100-110	3319
110-120	3320
120-130	3320
130-140	3322
140-150	3324
150-160	3326
160-170	3327
170-180	3328
UNIT: lm	

Zonal Lumens

G(DEG)	C0/180	C90/270
85	742	162
80	524	163
75	497	189
70	544	249
65	1661	3557
60	6661	11045
55	15820	22953
50	29545	38863
45	47042	55891



6" 40W Round Wall Wash

Average Beam Angle (50%) : 71.0°

Lumen:2949 lm
Input Watts: 40W
Efficacy: 73.73lm/W

UNIT:cd
 C0/180,69.2 °
 C30/210,70.4 °
 C60/240,72.4 °
 C90/270,72.2 °

Zonal Flux Diagram

Y	C0	C45	C90	C135	C180
10	2085	1962	1700	1461	1397
20	2080	1892	1449	1069	944.4
30	1866	1658	1132	716.4	584.0
40	1572	1343	828.3	446.7	318.6
50	1152	1001	540.1	222.7	107.6
60	593.4	562.8	253.7	36.59	12.99
70	169.5	186.5	59.76	4.875	5.799
80	4.680	16.81	1.576	1.973	2.586
90	0.0996	0.0631	0.0831	0.1709	0.1311
100	0.0811	0.0677	0.1123	0.2708	0.3476
110	0.0812	0.1309	0.3018	0.6949	0.9297
120	0.2162	0.3294	0.7163	1.394	1.832
130	0.4958	0.6814	1.271	2.125	2.851
140	0.9914	1.173	1.857	2.832	3.771
150	1.650	1.822	2.520	3.504	4.325
160	2.502	2.603	3.201	3.991	4.613
170	3.422	3.432	3.765	4.225	4.744
180	4.216	4.104	4.000	4.054	4.230
DEG	LUMINOUS INTENSITY:cd				

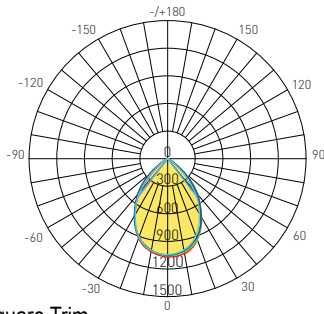
Zonal Lumens

Y	Φ Total
0-10	166.4
10-20	610.3
20-30	1207
30-40	1830
40-50	2383
50-60	2750
60-70	2907
70-80	2940
80-90	2941
90-100	2941
100-110	2942
110-120	2942
120-130	2943
130-140	2945
140-150	2946
150-160	2948
160-170	2949
170-180	2949
UNIT: lm	

Zonal Lumens

G(DEG)	C0/180	C90/270
85	182	531
80	1526	514
75	14095	3272
70	28056	9893
65	45639	18782
60	67192	28730
55	86754	38552
50	101454	47569
45	111057	55165

PHOTOMETRICS



6" 20W Square Trim

Average Beam Angle (50%) : 76.6°

Lumen:1515.4 lm
Input Watts: 20W
Efficacy:75.77lm/W

UNIT:cd
C0/180,75.1 °
C30/210,77.8 °
C60/240,78.3 °
C90/270,75.1 °

Zonal Flux Diagram

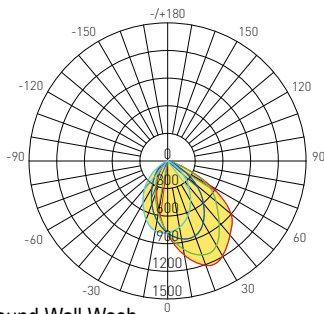
Y	C0	C45	C90	C135	C180
10	1047	1022	1007	992.7	1027
20	939.2	932.1	893.4	892.4	922.1
30	719.9	739.1	687.3	709.4	711.5
40	471.7	497.7	440.1	477.0	457.8
50	170.8	280.1	158.0	250.7	159.6
60	32.27	62.15	30.20	46.44	33.23
70	2.699	4.711	3.380	4.018	3.231
80	1.543	2.277	2.065	2.620	1.965
90	0.1002	0.0711	0.1300	0.0681	0.1300
100	0.0406	0.0496	0.0406	0.0406	0.0451
110	0.0587	0.1195	0.1128	0.1015	0.1038
120	0.2476	0.3584	0.3114	0.3492	0.3024
130	0.6308	0.7486	0.6814	0.7350	0.7086
140	1.149	1.193	1.150	1.217	1.205
150	1.614	1.648	1.633	1.653	1.682
160	2.155	2.061	2.043	2.088	2.156
170	2.363	2.331	2.304	2.322	2.422
180	2.498	2.444	2.431	2.415	2.503
DEG	LUMINOUS INTENSITY:cd				

Zonal Lumens

Y	Φ Total
0-10	98.17
10-20	371.6
20-30	748.1
30-40	1122
40-50	1389
50-60	1490
60-70	1507
70-80	1510
80-90	1511
90-100	1511
100-110	1511
110-120	1512
120-130	1512
130-140	1513
140-150	1514
150-160	1515
160-170	1515
170-180	1515
UNIT: lm	

Zonal Lumens

G(DEG)	C0/180	C90/270
85	662	908
80	395	528
75	341	445
70	351	439
65	965	913
60	2869	2684
55	6050	5712
50	11807	10926
45	19770	18214



6" 40W Round Wall Wash

Average Beam Angle (50%) : 71.0°

Lumen:2949 lm
Input Watts: 40W
Efficacy: 73.73lm/W

UNIT:cd
C0/180,65.4 °
C30/210,68.8 °
C60/240,72.5 °
C90/270,77.0 °

Zonal Flux Diagram

Y	C0	C45	C90	C135	C180
10	1038	919. 6	732. 9	585. 3	554. 5
20	1209	984. 8	638. 0	411. 7	353. 7
30	1192	930. 7	494. 7	267. 4	210. 7
40	1053	743. 2	354. 7	155. 9	97. 27
50	896. 8	548. 9	205. 7	66. 71	21. 28
60	526. 2	310. 4	73. 90	12. 46	5. 292
70	136. 0	73. 16	14. 65	4. 282	4. 094
80	12. 17	4. 784	1. 600	3. 400	3. 395
90	0. 1674	0. 0925	0. 0768	0. 1779	0. 0947
100	0. 0812	0. 0812	0. 1175	0. 2143	0. 3070
110	0. 0631	0. 0925	0. 1760	0. 5996	0. 7989
120	1. 081	0. 1646	0. 3880	1. 220	1. 633
130	0. 1577	0. 2909	0. 6721	1. 526	2. 147
140	0. 3513	0. 4938	0. 9789	1. 914	2. 359
150	0. 6173	0. 7667	1. 276	2. 081	2. 534
160	0. 9781	1. 127	1. 565	2. 182	2. 530
170	1. 433	1. 522	1. 781	2. 153	2. 340
180	1. 935	1. 851	1. 826	1. 847	1. 944
DEG	LUMINOUS INTENSITY:cd				

Zonal Lumens

Y	Φ Total
0-10	73.89
10-20	284.3
20-30	592.3
30-40	929.2
40-50	1235
50-60	1461
60-70	1563
70-80	1584
80-90	1586
90-100	1586
100-110	1586
110-120	1587
120-130	1588
130-140	1588
140-150	1589
150-160	1590
160-170	1590
170-180	1591
UNIT: lm	

Zonal Lumens

G(DEG)	C0/180	C90/270
85	373	694
80	3114	410
75	9473	779
70	17677	1904
65	31770	3741
60	46776	6569
55	57281	10368
50	62005	14225
45	61916	17780