

SCV8PL

8" ARCHITECTURAL CFL VERTICAL CYLINDER DOWNLIGHT

NEW



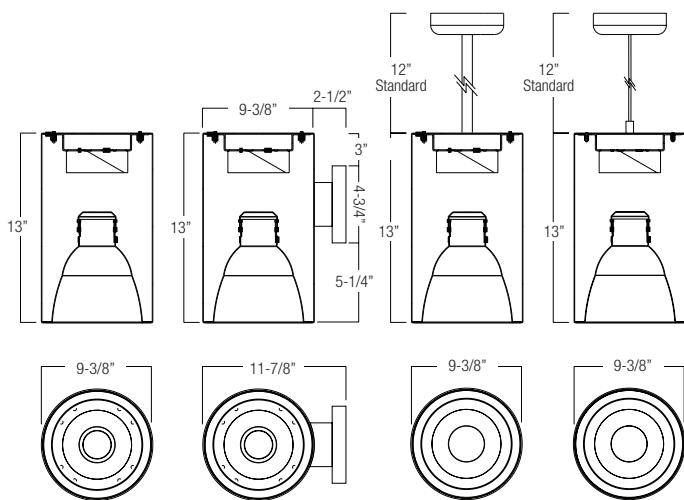
SCV8PL-CM

SCV8PL-WM

SCV8PL-PM

SCV8PL-SM

TRIM: 8101 REFLECTOR



DESCRIPTION

LAMP HOLDER - Die-cast aluminum lamp holder effectively provides heat dissipation and ventilation. Unitized optics guarantees proper trim to housing installation. Tool-less installation adjustability from either outside the housing or inside the housing.

MOUNTING BRACKET - Ceiling mount bracket provided for direct installation with 3-1/4" to 4" octagonal and square junction box. Pendant mount option is available and supplied with 10-1/2" stem and 5" diameter canopy cover. Ideal for slope applications up to 45 degrees.

RETAINING SPRINGS - Precision tooled springs secure trim to mounting frame, for effortless and tool-less installation.

BALLAST - Ballast is accessible from below, no tools required. Ballast supplied is manufactured by Advance.

MOUNTING FRAME - Die formed steel housing with adjustable bracket allows optical adjustment of lamp. Unitized optics guarantees proper trim to housing tool-less installation.

OPTICS

REFLECTOR - Self-flanged .050" aluminum reflector with low iridescent finish. Reflector provides 45-degree lamp-to-reflector image cutoff.

GROOVE BAFFLE - Self-flanged one-piece aluminum with concentric rings.

LENS - Choice of either tempered clear, tempered prismatic or tempered frosted lens fastened with two torsion springs for easy re-lamping.

LISTING

UL listed for through-branch circuit wiring



SCV8PL - ITEM SELECTOR: (Please check the boxes below for the option desired)

MOUNTING	BODY COLOR	WATTAGE	BALLAST	VOLTAGE	TRIM TYPE & DESCRIPTION	REFLECTOR	BAFFLE
☐ CM - Ceiling Mount ☐ WM - Wall Mount ☐ PM12 - 12" Pendant Mount ☐ PM18 - 18" Pendant Mount ☐ PM24 - 24" Pendant Mount ☐ PM36 - 36" Pendant Mount ☐ PM48 - 48" Pendant Mount ☐ SM - Suspended Mount *For other sizes consult factory.	☐ WH - White ☐ BK - Black ☐ BZ - Bronze ☐ SI - Silver Custom color available, please consult factory. Must provide RAL#	☐ 1X13 ☐ 1X18 ☐ 1X26 ☐ 1X32 ☐ 1X42	☐ (E) Electronic ☐ (S) Energy Star ¹ DIMMING ☐ Mark 7 ² ☐ Mark 10 ³ ☐ Lut-E (EC3D) ⁴	☐ MVOLT (120/277) ☐ 120 ☐ 277 EMERGENCY OPTION ☐ EMG 750(750 lm) ⁷ OTHER OPTIONS ☐ FUSE ⁵ ☐ RIF ⁶	☐ 8101 Reflector ☐ 8102 Baffle/Reflector ☐ 8103 Ref./Fres. Gls. Lns. ☐ 8104 Ref./Pris. Gls. Lns. ☐ 8105 Baf./Fres. Gls. Lns. ☐ 8106 Baf./Pris. Gls. Lns. ☐ 8107 Wall Wash Ref. ☐ 8108 Crossblade Ref. ☐ 8112 Baf./Frost Gls. Lns. ☐ 8113 Baf./Tem. Clr. Gls. ☐ 8114 Ref./Frost Gls. Lns. ☐ 8115 Ref./Tem. Clr. Gls. ☐ 8116 Ref./Pris. Plas. Lns. ☐ 8117 Baf./Pris. Plas. Lns. ☐ 8118 Ref./Tem. Clr. Plas. ☐ 8119 Baf./Tem. Clr. Plas.	☐ CL-WH ☐ CL-SCH ☐ SHZ-SHZ ☐ SHZ-WH ☐ WT-WH ☐ W-WH ☐ MB-WH	☐ W-CL-WH ☐ P-CL-WH ☐ W-WH ☐ P-WH

¹ - (S) Energy Star = Available on selected fixtures only, please see list above • ² - MARK 7 = Must specify voltage • ³ - MARK 10 = Not available on 13W, 57W, 70W, must specify voltage • ⁴ - LUT-E (EC3D) = Not available on 13W, 57W, 70W, must specify voltage • ⁵ - FUSE = Single slow-blow fuse • ⁶ - RIF = Radio interference filter • ⁷ - EMG = Emergency battery pack w/ remote test switch

The cylinder's bodies are available in WH - White, BK - Black, BZ - Bronze and SI - Silver.

Specifications:

SCV8PL

MOUNTING BODY COLOR WATTAGE BALLAST VOLTAGE OPTIONS TRIM TYPE REFLECTOR BAFFLE

Sample of Catalog Number: SCV8PL-CM-WH-1X26-E-MVOLT-8101-CL-WH

REFLECTOR	BAFFLE	RING
CL Clear	WH White	WH Self-Flange White
SHZ Satin Haze (Low Iridescent)	P Black	SCH Self-Flange Chrome
WT Wheat		SHZ Satin Haze
MB Black		
W White		

*For custom baffle, reflector, trim ring, glass color and lens options, please consult factory.

8101 -
Reflector



TRIM FINISH:

- CL-WH
- CL-SCH
- SHZ-SHZ
- SHZ-WH
- WT-WH
- W-WH
- MB-WH



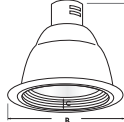
A= 7-1/2"
B= 9-1/8"

8102 -
Baffle with Reflector



TRIM FINISH:

- W-CL-WH
- P-CL-WH



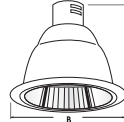
A= 7-1/2"
B= 9-1/8"
C= 1-3/4"

8107 -
Wall Wash Reflector



TRIM FINISH:

- CL-WH
- CL-SCH
- SHZ-SHZ
- SHZ-WH
- WT-WH
- W-WH
- MB-WH



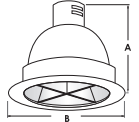
A= 7-1/2"
B= 9-1/8"

8108 -
Crossblade Reflector



TRIM FINISH:

- CL-WH
- CL-SCH
- SHZ-SHZ
- SHZ-WH
- WT-WH
- W-WH
- MB-WH



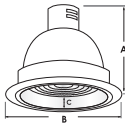
A= 7-13/16"
B= 9-1/8"

8103 -
Reflector with Fresnel Glass Lens



TRIM FINISH:

- CL-WH
- CL-SCH
- SHZ-SHZ
- SHZ-WH
- WT-WH
- W-WH
- MB-WH



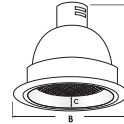
A= 7-13/16"
B= 9-1/8"
C= 1-3/4"

8104 -
Reflector with Prismatic Glass Lens



TRIM FINISH:

- CL-WH
- CL-SCH
- SHZ-SHZ
- SHZ-WH
- WT-WH
- W-WH
- MB-WH



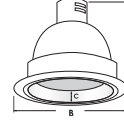
A= 7-13/16"
B= 9-1/8"
C= 1-3/4"

8114 -
Reflector with Frosted Glass Lens



TRIM FINISH:

- CL-WH
- CL-SCH
- SHZ-SHZ
- SHZ-WH
- WT-WH
- W-WH
- MB-WH



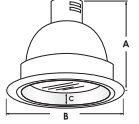
A= 7-13/16"
B= 9-1/8"
C= 1-3/4"

8115 -
Reflector with Tempered Clear Glass



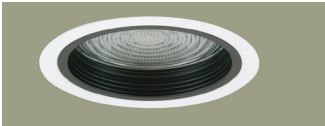
TRIM FINISH:

- CL-WH
- CL-SCH
- SHZ-SHZ
- SHZ-WH
- WT-WH
- W-WH
- MB-WH



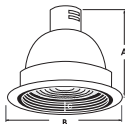
A= 7-13/16"
B= 9-1/8"
C= 1-3/4"

8105 -
Baffle with Fresnel Glass Lens



TRIM FINISH:

- W-WH
- P-WH



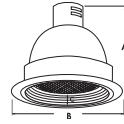
A= 7-13/16"
B= 9-1/8"
C= 1-3/4"

8106 -
Baffle with Prismatic Glass Lens



TRIM FINISH:

- W-WH
- P-WH



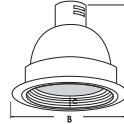
A= 7-13/16"
B= 9-1/8"
C= 1-3/4"

8112 -
Baffle with Frosted Glass Lens



TRIM FINISH:

- W-WH
- P-WH



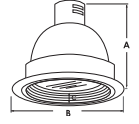
A= 7-13/16"
B= 9-1/8"
C= 1-3/4"

8113 -
Baffle with Tempered Clear Glass



TRIM FINISH:

- W-WH
- P-WH



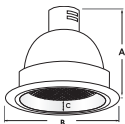
A= 7-13/16"
B= 9-1/8"
C= 1-3/4"

8116 -
Reflector with Prismatic Plastic Lens



TRIM FINISH:

- CL-WH
- CL-SCH
- SHZ-SHZ
- SHZ-WH
- WT-WH
- W-WH
- MB-WH



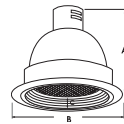
A= 7-13/16"
B= 9-1/8"
C= 1-3/4"

8117 -
Baffle with Prismatic Plastic Lens



TRIM FINISH:

- W-WH
- P-WH



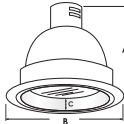
A= 7-13/16"
B= 9-1/8"
C= 1-3/4"

8118 -
Reflector with Tempered Clear Plastic



TRIM FINISH:

- CL-WH
- CL-SCH
- SHZ-SHZ
- SHZ-WH
- WT-WH
- W-WH
- MB-WH



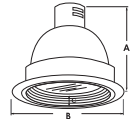
A= 7-13/16"
B= 9-1/8"
C= 1-3/4"

8119 -
Baffle with Tempered Clear Plastic



TRIM FINISH:

- W-WH
- P-WH



A= 7-13/16"
B= 9-1/8"
C= 1-3/4"



8"

SCV8PL PHOTOMETRIC DATA

8" ARCHITECTURAL CFL VERTICAL CYLINDER DOWNLIGHT

SCV8PL-1X26-E-8101CL

LAMP: GE F26TBX/841/A/ECO

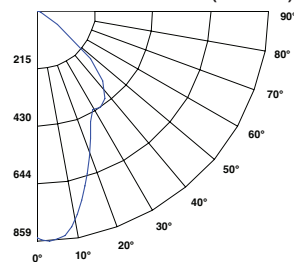
LAMP LUMENS: 1710

EFFICIENCY: 64.7%

TEST NO.: LLI 0509-15K-P

SPACING CRITERIA: 1.06

Candle Power Distribution (Candelas)



Beam Angle: 111°		
4'	53.0	11.5'
6'	23.6	17.3'
8'	13.3	23.1'
10'	8.5	28.8'
12'	5.9	34.6'
Distance to Plane	Initial Nadir Footcandles	Beam Spread

BEAM DIA. MEASURED AT 10% OF NADIR F.C.

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-30°	465.46	27.2	42.1
0-40°	681.38	39.8	61.6
0-60°	1049.43	61.4	94.8
0-90°	1106.9	64.7	100
90-120°	0	0	0
90-130°	0	0	0
90-150°	0	0	0
90-180°	0	0	0
0-180°	1106.9	64.7	100

Total Luminaire Efficiency = 64.7%

Luminance Data (cd/sq.m)

Angle In Degrees	Average 0°	Average 45°	Average 90°
45°	13780	13780	13780
55°	4823	4823	4823
65°	744	744	744
75°	486	486	486
85°	721	721	721

Zonal Lumen Summary

Zone	Lumens
0-10	65.32
10-20	193.56
20-30	206.57
30-40	215.93
40-50	254.92
50-60	113.13
60-70	46.48
70-80	7.2
80-90	3.78

Candela Tabulation

Zone	Lumens	Candela
0	0	848
1	853	1
2	859	3
3	855	5
4	846	7
5	815	9
6	774	11
7	727	13
8	677	15
9	636	17
10	579	19.5
11	513	22.5
12	457	25.5
13	423	29
14	430	33
15	410	37.5
16	355	42.5
17	265	47.5
18	88	55
19	10	65
20	4	75
21	2	85
22	0	90

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 20% = PF

RC	70%	80%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
0	77	77	77	77	75	75	75	75	72	72	72	69	69	69	66	66	66	65	65	65	65
1	72	70	68	66	71	69	67	65	66	64	63	63	62	61	61	60	59	58	58	58	58
2	67	63	60	57	66	62	59	56	60	57	55	58	56	54	56	54	53	51	51	51	51
3	63	57	53	50	61	56	52	49	54	51	48	53	50	48	51	49	47	46	46	46	46
4	58	52	47	44	57	51	47	43	50	46	43	48	45	42	47	44	42	41	41	41	41
5	54	47	42	39	53	47	42	39	45	41	38	44	41	38	43	40	37	36	36	36	36
6	51	43	38	35	49	43	38	35	42	37	34	41	37	34	40	36	34	33	33	33	33
7	47	40	35	31	46	39	35	31	38	34	31	37	34	31	37	33	31	30	30	30	30
8	44	37	32	29	43	36	32	28	35	31	28	35	31	28	34	31	28	27	27	27	27
9	42	34	29	26	41	34	29	26	33	29	26	32	29	26	32	28	26	25	25	25	25
10	39	32	27	24	38	31	27	24	31	27	24	30	26	24	30	26	24	23	23	23	23

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

SCV8PL-1X32-E-8101CL

LAMP: GE F32TBX/841/A/ECO

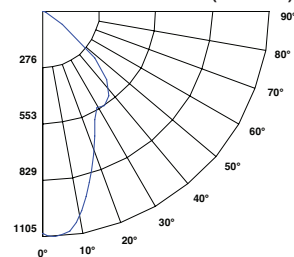
LAMP LUMENS: 2200

EFFICIENCY: 64.7%

TEST NO.: LLI 0509-15K

SPACING CRITERIA: 1.06

Candle Power Distribution (Candelas)



Beam Angle: 111°		
4'	68.2	11.5'
6'	30.3	17.3'
8'	17.1	23.0'
10'	11	28.8'
12'	7.6	34.6'
Distance to Plane	Initial Nadir Footcandles	Beam Spread

BEAM DIA. MEASURED AT 10% OF NADIR F.C.

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-30°	598.81	27.2	42
0-40°	876.46	39.8	61.5
0-60°	1349.96	61.4	94.8
0-90°	1424.11	64.7	100
90-120°	0	0	0
90-130°	0	0	0
90-150°	0	0	0
90-180°	0	0	0
0-180°	1424.11	64.7	100

Total Luminaire Efficiency = 64.7%

Luminance Data (cd/sq.m)

Angle In Degrees	Average 0°	Average 45°	Average 90°
45°	17737	17737	17737
55°	6193	6193	6193
65°	967	967	967
75°	607	607	607
85°	1082	1082	1082

Zonal Lumen Summary

Zone	Lumens
0-10	84.04
10-20	249.02
20-30	265.76
30-40	277.65
40-50	328
50-60	145.5
60-70	59.76
70-80	9.26
80-90	5.14

Candela Tabulation

Zone	Lumens	Candela
0	0	1091
1	1098	1
2	1105	3
3	1100	5
4	1088	7
5	1049	9
6	996	11
7	935	13
8	871	15
9	818	17
10	745	19.5
11	660	22.5
12	588	25.5
13	544	29
14	553	33
15	527	37.5
16	457	42.5
17	341	47.5
18	113	55
19	13	65
20	5	75
21	3	85
22	0	90

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 20% = PF

RC	70%	80%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
0	77	77	77	77	75	75	75	75	72	72	72	69	69	69	66	66	66	65	65	65	65
1	72	70	68	66	71	69	67	65	66	64	63	63	62	61	61	60	59	58	58	58	58
2	67	63	60	57	66	62	59	56	60	57	55	58	56	54	56	54	53	51	51	51	51
3	63	57	53	50	61	56	52	49	54	51	48	53	50	48	51	49	47	46	46	46	46
4	58	52	47	44	57	51	47	43	50	46	43	48	45	42	47	44	42	41	41	41	41
5	54	47	42	39	53	47	42	39	45	41	38	44	41	38	43	40	37	36	36	36	36
6	51	43	38	35	49	43	38	35	42	37	34	41	37	34	40	36	34	33	33	33	33
7	47	40	35	31	46	39	35	31	38	34	31	37	34	31	37	33	31	30	30	30	30
8	44	37	32	29	43	36	32	28	35	31	28	35	31	28	34	31	28	27	27	27	27
9	42	34	29	26	41	34	29	26	33	29	26	32	29	26	32	28	26	25	25	25	25
10	39	32	27	24	38	31	27	24	31	27	24	30	26	24	30	26	24	23	23	23	23

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

SCV8PL-1X42-E-8101CL

LAMP: GE F42TBX/841/A/ECO

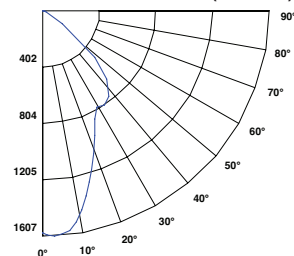
LAMP LUMENS: 3200

EFFICIENCY: 64.7%

TEST NO.: LLI 0509-15K-P

SPACING CRITERIA: 1.06

Candle Power Distribution (Candelas)



Beam Angle: 110°		
4'	99.2	11.5'
6'	44.1	17.3'
8'	24.8	23.0'
10'	15.9	28.8'
12'	11.0	34.5'
Distance to Plane	Initial Nadir Footcandles	Beam Spread

BEAM DIA. MEASURED AT 10% OF NADIR F.C.

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-30°	871.01	27.2	42.1
0-40°	1274.81	39.8	61.6
0-60°	1963.6	61.4	94.8
0-90°	2070.79	64.7	100
90-120°	0	0	0
90-130°	0	0	0
90-150°	0	0	0
90-180°	0	0	0
0-180°	2070.79	64.7	100

Total Luminaire Efficiency = 64.7%

Luminance Data (cd/sq.m)

Angle In Degrees	Average 0°	Average 45°	Average 90°
45°	25805	25805	25805
55°	8987	8987	8987
65°	1413	1413	1413
75°	850	850	850
85°	1443	1443	1443

Zonal Lumen Summary

Zone	Lumens
0-10	122.25
10-20	362.26
20-30	386.51
30-40	403.8
40-50	477.27
50-60	211.52
60-70	86.79
70-80	13.38
80-90	7.03

Candela Tabulation

	Q
0	1587
1	1597
3	1607
5	1600
7	1583
9	1526
11	1449
13	1360
15	1267
17	1190
19.5	1084
22.5	960
25.5	855
29	791
33	804
37.5	767
42.5	665
47.5	496
55	164
65	19
75	7
85	4
90	0

