

# SCV6PL

## 6" ARCHITECTURAL CFL VERTICAL CYLINDER DOWNLIGHT

**NEW**



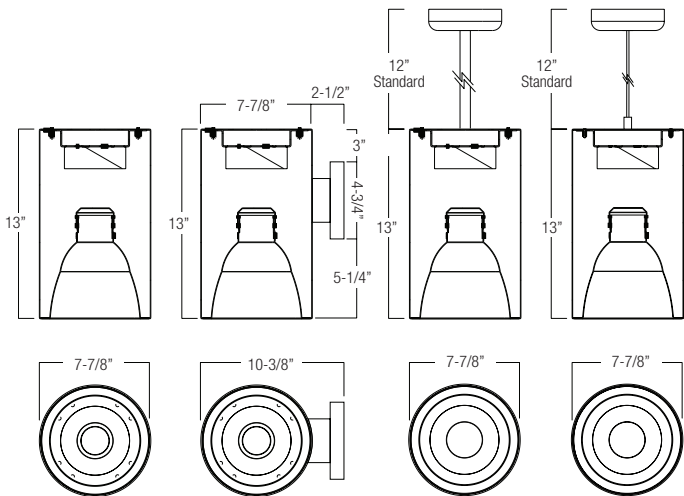
SCV6PL-CM

SCV6PL-WM

SCV6PL-PM

SCV6PL-SM

TRIM: 6101 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

Please visit our website for the most updated information on each product.



**SCV6PL - ITEM SELECTOR:** (Please check the boxes below for the option desired)

MOUNTING	BODY COLOR	WATTAGE	BALLAST	VOLTAGE	TRIM TYPE & DESCRIPTION	REFLECTOR	BAFFLE
<input type="checkbox"/> CM - Ceiling Mount	<input type="checkbox"/> WH - White	<input type="checkbox"/> 1X13	<input type="checkbox"/> (E) Electronic	<input type="checkbox"/> MVOLT (120/277)	<input type="checkbox"/> 6101 Reflector	<input type="checkbox"/> 6112 Baf./Frost Gls. Lns.	<input type="checkbox"/> CL-WH
<input type="checkbox"/> WM - Wall Mount	<input type="checkbox"/> BK - Black	<input type="checkbox"/> 1X18	<input type="checkbox"/> (S) Energy Star <sup>1</sup>	<input type="checkbox"/> 120	<input type="checkbox"/> 6102 Baffle/Reflector	<input type="checkbox"/> 6113 Baf./Tem. Clr. Gls.	<input type="checkbox"/> CL-SCH
<input type="checkbox"/> PM12 - 12" Pendant Mount	<input type="checkbox"/> BZ - Bronze	<input type="checkbox"/> 1X26		<input type="checkbox"/> 277	<input type="checkbox"/> 6103 Ref./Fres. Gls. Lns.	<input type="checkbox"/> 6114 Ref./Frost Gls. Lns.	<input type="checkbox"/> SHZ-SHZ
<input type="checkbox"/> PM18 - 18" Pendant Mount	<input type="checkbox"/> SI - Silver	<input type="checkbox"/> 1X32			<input type="checkbox"/> 6104 Ref./Pris. Gls. Lns.	<input type="checkbox"/> 6115 Ref./Tem. Clr. Gls.	<input type="checkbox"/> SHZ-WH
<input type="checkbox"/> PM24 - 24" Pendant Mount		<input type="checkbox"/> 1X42			<input type="checkbox"/> 6105 Baf./Fres. Gls. Lns.	<input type="checkbox"/> 6116 Ref./Pris. Plas. Lns.	<input type="checkbox"/> WT-WH
<input type="checkbox"/> PM36 - 36" Pendant Mount					<input type="checkbox"/> 6106 Baf./Pris. Gls. Lns.	<input type="checkbox"/> 6117 Baf./Pris. Plas. Lns.	<input type="checkbox"/> W-WH
<input type="checkbox"/> PM48 - 48" Pendant Mount					<input type="checkbox"/> 6107 Wall Wash Ref.	<input type="checkbox"/> 6118 Ref./Tem. Clr. Plas.	<input type="checkbox"/> MB-WH
<input type="checkbox"/> SM - 10' Suspended Mount <small>*For other sizes consult factory.</small>					<input type="checkbox"/> 6108 Crossblade Ref.	<input type="checkbox"/> 6119 Baf./Tem. Clr. Plas.	
			<b>DIMMING</b>	<b>EMERGENCY OPTION</b>			
			<input type="checkbox"/> Mark 7 <sup>2</sup>	<input type="checkbox"/> EMG 750(750 lm) <sup>7</sup>			
			<input type="checkbox"/> Mark 10 <sup>3</sup>	<b>OTHER OPTIONS</b>			
			<input type="checkbox"/> Lut-E (EC3D) <sup>4</sup>	<input type="checkbox"/> FUSE <sup>5</sup>			
				<input type="checkbox"/> RIF <sup>6</sup>			

Custom color available, please consult factory. Must provide RAL#

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

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

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.

### Specifications:

#### SCV6PL

MOUNTING BODY COLOR WATTAGE BALLAST VOLTAGE OPTIONS TRIM TYPE REFLECTOR BAFFLE

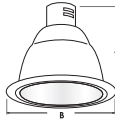
Sample of Catalog Number: SCV6PL-CM-WH-1X26-E-MVOLT-6101-CL-WH

**6101** - \_\_\_\_\_  
Reflector



**TRIM FINISH:**

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



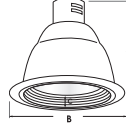
A= 7-1/8"  
B= 7-3/8"

**6102** - \_\_\_\_\_  
Baffle with Reflector



**TRIM FINISH:**

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



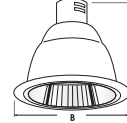
A= 7-1/8"  
B= 7-3/8"  
C= 1"

**6107** - \_\_\_\_\_  
Wall Wash Reflector



**TRIM FINISH:**

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



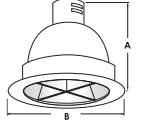
A= 7-1/8"  
B= 7-3/8"

**6108** - \_\_\_\_\_  
Crossblade Reflector



**TRIM FINISH:**

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



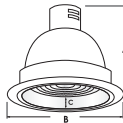
A= 7-1/2"  
B= 7-3/8"

**6103** - \_\_\_\_\_  
Reflector with Fresnel Glass Lens



**TRIM FINISH:**

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



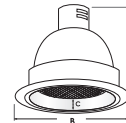
A= 7-1/2"  
B= 7-3/8"  
C= 1"

**6104** - \_\_\_\_\_  
Reflector with Prismatic Glass Lens



**TRIM FINISH:**

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



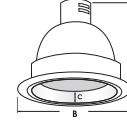
A= 7-1/2"  
B= 7-3/8"  
C= 1"

**6114** - \_\_\_\_\_  
Reflector with Frosted Glass Lens



**TRIM FINISH:**

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



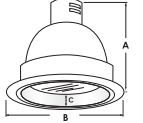
A= 7-1/2"  
B= 7-3/8"  
C= 1"

**6115** - \_\_\_\_\_  
Reflector with Tempered Clear Glass



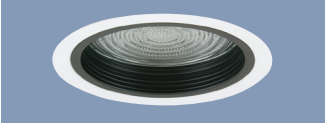
**TRIM FINISH:**

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



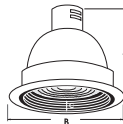
A= 7-1/2"  
B= 7-3/8"  
C= 1"

**6105** - \_\_\_\_\_  
Baffle with Fresnel Glass Lens



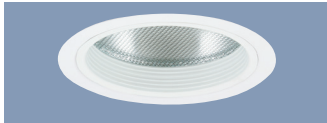
**TRIM FINISH:**

- W-WH
- P-WH



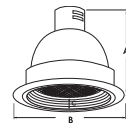
A= 7-1/2"  
B= 7-3/8"  
C= 1"

**6106** - \_\_\_\_\_  
Baffle with Prismatic Glass Lens



**TRIM FINISH:**

- W-WH
- P-WH



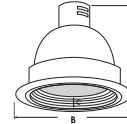
A= 7-1/2"  
B= 7-3/8"  
C= 1"

**6112** - \_\_\_\_\_  
Baffle with Frosted Glass Lens



**TRIM FINISH:**

- W-WH
- P-WH



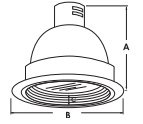
A= 7-1/2"  
B= 7-3/8"  
C= 1"

**6113** - \_\_\_\_\_  
Baffle with Tempered Clear Glass



**TRIM FINISH:**

- W-WH
- P-WH



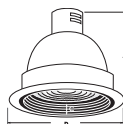
A= 7-1/2"  
B= 7-3/8"  
C= 1"

**6116** - \_\_\_\_\_  
Reflector with Prismatic Plastic Lens



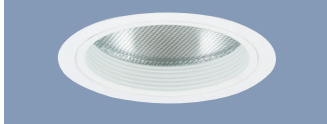
**TRIM FINISH:**

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



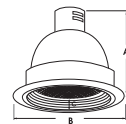
A= 7-1/2"  
B= 7-3/8"  
C= 1"

**6117** - \_\_\_\_\_  
Baffle with Prismatic Plastic Lens



**TRIM FINISH:**

- W-WH
- P-WH



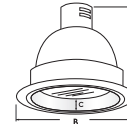
A= 7-1/2"  
B= 7-3/8"  
C= 1"

**6118** - \_\_\_\_\_  
Reflector with Tempered Clear Plastic



**TRIM FINISH:**

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



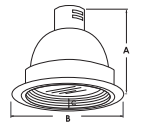
A= 7-1/2"  
B= 7-3/8"  
C= 1"

**6119** - \_\_\_\_\_  
Baffle with Tempered Clear Plastic



**TRIM FINISH:**

- W-WH
- P-WH



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

# SCV6PL PHOTOMETRIC DATA

## 6" ARCHITECTURAL CFL VERTICAL CYLINDER DOWNLIGHT

SCV6PL-1X13-E-6101CL

TEST NO.: LLI 0509-15G-P13

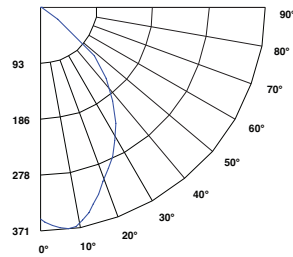
LAMP: GE F13TBX/841/A/E/CO

LAMP LUMENS: 900

EFFICIENCY: 60.6%

SPACING CRITERIA: 1.14

### Candle Power Distribution (Candelas)



Beam Angle: 110°		
4'	22.0	11.3'
6'	9.8	17.0'
8'	5.5	22.6'
10'	3.5	28.3'
12'	2.4	34.0'
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°	243.04	27	44.6
0-40°	358.09	39.8	65.7
0-60°	524.6	58.3	96.2
0-90°	545.04	60.6	100
90-120°	0	0	0
90-130°	0	0	0
90-150°	0	0	0
90-180°	0	0	0
0-180°	545.04	60.6	100

Total Luminaire Efficiency = 60.6%

### Luminance Data (cd/sq.m)

Angle In Degrees	Average 0°	Average 45°	Average 90°
45°	10423	10423	10423
55°	3212	3212	3212
65°	249	249	249
75°	203	203	203
85°	604	604	604

### Zonal Lumen Summary

Zone	Lumens
0-10	28.42
10-20	95.37
20-30	119.25
30-40	115.06
40-50	117.15
50-60	49.35
60-70	17.55
70-80	1.54
80-90	1.35

### Candela Tabulation

Candela	Tabulation
0	352
1	356
3	362
5	367
7	371
9	369
11	360
13	350
15	338
17	324
19.5	306
22.5	290
25.5	274
29	254
33	229
37.5	196
42.5	161
47.5	119
55	35
65	2
75	1
85	1
90	0

### Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 20% = PF

ROOM CAVITY RATIO	RC RW	80%			70%			50%			30%			10%			0%		
		70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
0	72	72	72	72	70	70	70	67	67	67	64	64	64	62	62	62	61		
1	68	66	64	62	66	64	63	61	62	61	59	60	59	57	57	56	55		
2	63	60	56	54	62	58	56	53	56	54	52	55	53	51	53	51	49		
3	59	54	50	47	58	53	50	47	51	48	46	50	47	45	48	46	43		
4	55	49	45	42	54	48	44	41	47	44	41	46	43	40	44	42	39		
5	51	45	40	37	50	44	40	37	43	39	37	42	39	36	41	38	35		
6	48	41	37	33	47	41	36	33	40	36	33	39	35	33	38	35	32		
7	45	38	33	30	44	37	33	30	36	33	30	36	32	30	35	32	29		
8	42	35	30	27	41	34	30	27	34	30	27	33	30	27	32	29	26		
9	39	32	28	25	39	32	28	25	31	28	25	31	27	25	30	27	24		
10	37	30	26	23	36	30	26	23	29	25	23	29	25	23	28	25	22		

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

SCV6PL-1X13-E-6101CL

TEST NO.: LLI 0509-15G-P18

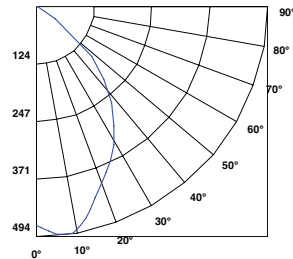
LAMP: GE F18TBX/841/A/E/CO

LAMP LUMENS: 1200

EFFICIENCY: 60.7%

SPACING CRITERIA: 1.14

### Candle Power Distribution (Candelas)



Beam Angle: 110°		
4'	29.4	11.3'
6'	13.1	17.0'
8'	7.3	22.7'
10'	4.7	28.3'
12'	3.3	34.0'
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°	324.05	27	44.5
0-40°	477.51	39.8	65.6
0-60°	699.67	58.3	96.1
0-90°	727.84	60.7	100
90-120°	0	0	0
90-130°	0	0	0
90-150°	0	0	0
90-180°	0	0	0
0-180°	727.84	60.7	100

Total Luminaire Efficiency = 60.7%

### Luminance Data (cd/sq.m)

Angle In Degrees	Average 0°	Average 45°	Average 90°
45°	13884	13884	13884
55°	4314	4314	4314
65°	374	374	374
75°	407	407	407
85°	604	604	604

### Zonal Lumen Summary

Zone	Lumens
0-10	37.87
10-20	127.1
20-30	159.08
30-40	153.45
40-50	156.14
50-60	66.02
60-70	23.71
70-80	2.57
80-90	1.89

### Candela Tabulation

Candela	Tabulation
0	470
1	474
3	482
5	490
7	494
9	492
11	481
13	466
15	450
17	431
19.5	409
22.5	387
25.5	365
29	339
33	305
37.5	262
42.5	214
47.5	159
55	47
65	3
75	2
85	1
90	0

### Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 20% = PF

ROOM CAVITY RATIO	RC RW	80%			70%			50%			30%			10%			0%		
		70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
0	72	72	72	72	71	71	71	67	67	67	65	65	65	62	62	62	61		
1	68	66	64	62	66	64	63	61	62	61	59	60	59	58	58	57	56		
2	63	60	57	54	62	59	56	53	57	54	52	55	53	51	53	51	49		
3	59	54	50	47	58	53	50	47	52	48	46	50	47	45	49	46	43		
4	55	49	45	42	54	48	44	41	47	44	41	46	43	40	45	42	39		
5	51	45	40	37	50	44	40	37	43	39	37	42	39	36	41	38	35		
6	48	41	37	33	47	41	36	33	40	36	33	39	35	33	38	35	32		
7	45	38	33	30	44	37	33	30	36	33	30	36	32	30	35	32	29		
8	42	35	30	27	41	35	30	27	34	30	27	33	30	27	32	29	26		
9	39	32	28	25	39	32	28	25	31	28	25	31	27	25	30	27	24		
10	37	30	26	23	36	30	26	23	29	25	23	29	25	23	28	25	22		

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

6"

PHOTOMETRIC DATA CFL CYLINDER DOWNLIGHT

