

HVR8PL

8" Architectural Vertical CFL Remodel Downlight

Architectural

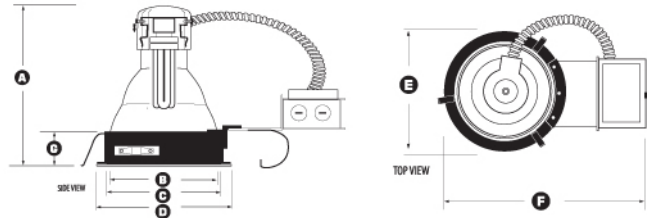
Catalog Number:

Project Name:

Type:

Note:

MAXILUME
ARCHITECTURAL LIGHTING



- A. Min. Height = 8-3/4"
Max. Height = 9-1/8"
- B. Trim Aperture = 8"
- C. Cut-out = 8-1/4"
- D. Trim Outside Diameter = 9-1/8"
- E. Width = 8-3/4"
- F. Length = 14-1/8"
- G. Flange = 2-1/4"



DESCRIPTION

Designed for remodel applications. For fast and easy installation in existing plaster or mechanical ceilings. Four remodel clips are easily retractable for fixture removal if necessary.

1. 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.

2. JUNCTION BOX/BALLAST - UL listed for through-branch circuit wiring and has four 1/2" KO's, one 3/4" KO and four Romex knockouts with pry-out slots and strain clamps. Ballast and Junction Box are accessible from below, no tools required. Ballast supplied is manufactured by Philips Advance, Universal Technologies or Lutron Electronics.

OPTICS

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

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

5. LENS - Choice of either tempered clear, tempered prismatic or tempered frosted lens fastened with two torsion springs for easy re-lamping. /UL listed for wet or damp location.

LISTING

UL listed for through-branch circuit wiring and damp locations. Wet location only with lens trims.

LAMP BASE GUIDE (Sockets will accept all designated lamp bases listed.)						
13W	18W	26W	32W	42W	57W	70W
G24q-1 GX24q-1	G24q-2 GX24q-2	G24q-3 GX24q-3 GX24q-4	GX24q-3 GX24q-4	GX24q-4	GX24q-5	GX24q-6

HVR8PL - ITEM SELECTOR: (Please check the boxes below for the option desired)

WATTAGE	BALLAST	VOLTAGE	EMERGENCY OPTIONS	TRIM TYPE & DESCRIPTION	REFLECTOR	BAFFLE	GLASS
<input type="checkbox"/> 1X9	<input type="checkbox"/> (E) Electronic	<input type="checkbox"/> MVOLT (120/277)	<input type="checkbox"/> EMG 750 (750 Lumens) ⁶	<input type="checkbox"/> 8101 <input type="checkbox"/> 8116 <input type="checkbox"/> 8126	<input type="checkbox"/> CL	<input type="checkbox"/> WH	<input type="checkbox"/> Blue
<input type="checkbox"/> 1X13	<input type="checkbox"/> (M) Magnetic ¹	<input type="checkbox"/> 120	<input type="checkbox"/> EMG 1300 (1300 Lumens) ⁶	<input type="checkbox"/> 8102 <input type="checkbox"/> 8117 <input type="checkbox"/> 8127	<input type="checkbox"/> SCH**	<input type="checkbox"/> P	<input type="checkbox"/> Green
<input type="checkbox"/> 1X18	<input type="checkbox"/> (S) Energy Star ²	<input type="checkbox"/> 277	<input type="checkbox"/> INTG 750 (750 Lumens) ⁷	<input type="checkbox"/> 8103 <input type="checkbox"/> 8118	<input type="checkbox"/> SHZ**		<input type="checkbox"/> Red
<input type="checkbox"/> 1X26		<input type="checkbox"/> 347	<input type="checkbox"/> INTG 1300 (1300 Lumens) ⁷	<input type="checkbox"/> 8104 <input type="checkbox"/> 8119	<input type="checkbox"/> WT		<input type="checkbox"/> Frost
<input type="checkbox"/> 1X32				<input type="checkbox"/> 8105 <input type="checkbox"/> 8109	<input type="checkbox"/> W		
<input type="checkbox"/> 1X42				<input type="checkbox"/> 8106 <input type="checkbox"/> 8110	<input type="checkbox"/> MB		
				<input type="checkbox"/> 8107 <input type="checkbox"/> 8111			
				<input type="checkbox"/> 8108 <input type="checkbox"/> 8121			
				<input type="checkbox"/> 8112 <input type="checkbox"/> 8122			
				<input type="checkbox"/> 8113 <input type="checkbox"/> 8123			
				<input type="checkbox"/> 8114 <input type="checkbox"/> 8124			
				<input type="checkbox"/> 8115 <input type="checkbox"/> 8125			
	DIMMING		OTHER OPTIONS				
	<input type="checkbox"/> Mark 7 ³		<input type="checkbox"/> FUSE ¹¹				
	<input type="checkbox"/> Mark 10 ⁴		<input type="checkbox"/> RIF ¹²				
	<input type="checkbox"/> Lut-E (EC3D) ⁵						

¹ - (M) Magnetic = Available in 9W, 13W, 18W & 26W fixtures only • ² - (S) Energy Star = Available on selected fixtures only, please see list above • ³ - MARK 7 = Not available in 9W, 13W, 57W, 70W • ⁴ - MARK 10 = Not available in 9W, 13W, 57W, 70W, must specify voltage • ⁵ - LUT-E (EC3D) = Not available in 9W, 13W, 57W, 70W • ⁶ - EMG = Emergency battery pack w/ remote test switch • ⁷ - INTG = Emergency battery pack w/ integral (reflector) test switch • ⁸ - EMG-D = Emergency battery pack w/ remote test switch for damp location • ⁹ - INTG-D = Emergency battery pack w/ integral(reflector) test switch for damp location • ¹⁰ - ICE = Emergency battery pack w/ remote test switch operating between -18°C and 55°C • ¹¹ - FUSE = Single slow-blow fuse • ¹² - RIF = Radio interference filter

Specifications:

HVR8PL

WATT	BALLAST	VOLTAGE	EMERGENCY	OPTIONS	TRIM TYPE	REFLECTOR	BAFFLE	RING	GLASS
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Sample of Catalog Number: HVR8PL-1X26-E-MVOLT-EMG750-8101-CL-WH

REFLECTOR	BAFFLE	RING
CL Clear	WH White	WH Self-Flange White
SHZ Satin Haze (Low Iridescence)	P Black	Standard on all trims
WT Wheat		SCH** Self-Flange Chrome
MB Black		** Only available on XX01 CL
W White		SHZ* Satin Haze
		* Provided w/ satin haze ring only

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



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Specifications and Dimensions subject to change without notice.

8"

Vertical CFL Optics

Catalog Number:

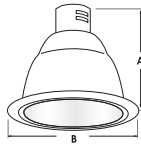
Project Name:

Type:

Note:

MAXILUME
ARCHITECTURAL LIGHTING

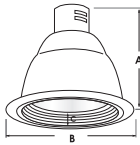
8101-CL
Reflector



REFLECTOR FINISH:
CL, WT, MB, SHZ, W
RING FINISH:
WH, SCH, SHZ

A= 7-1/2" • B= 9-1/8"

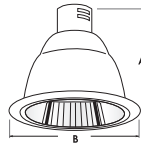
8102-WH-CL
Baffle with Reflector



BAFFLE FINISH:
WH, P
REFLECTOR FINISH:
CL

A= 7-1/2" • B= 9-1/8" • C= 1-3/4"

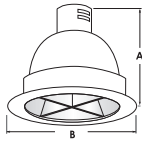
8107-SHZ
Wall Wash Reflector



REFLECTOR FINISH:
CL, WT, MB, SHZ, W
RING FINISH:
WH, SCH, SHZ

A= 7-1/2" • B= 9-1/8"

8108-CL
Crossblade Reflector



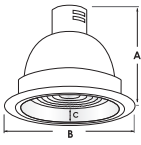
REFLECTOR FINISH:
CL, WT, MB, SHZ
RING FINISH:
WH

A= 7-13/16" • B= 9-1/8"

8103-CL
Reflector with Fresnel Glass Lens



FOR WET LOCATION



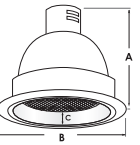
REFLECTOR FINISH:
CL, WT, MB, SHZ, W
RING FINISH:
WH

A= 7-13/16" • B= 9-1/8" • C= 1-3/4"

8104-CL
Reflector with Prismatic Glass Lens



FOR WET LOCATION



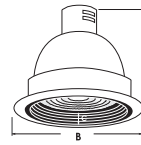
REFLECTOR FINISH:
CL, WT, MB, SHZ, W
RING FINISH:
WH

A= 7-13/16" • B= 9-1/8" • C= 1-3/4"

8105-P
Baffle with Fresnel Glass Lens



FOR WET LOCATION



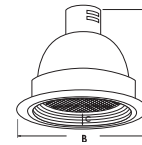
BAFFLE FINISH:
WH, P
RING FINISH:
WH

A= 7-13/16" • B= 9-1/8" • C= 1-3/4"

8106-WH
Baffle with Prismatic Glass Lens



FOR WET LOCATION



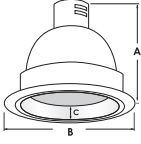
BAFFLE FINISH:
WH, P
RING FINISH:
WH

A= 7-13/16" • B= 9-1/8" • C= 1-3/4"

8114-CL
Reflector with Frosted Glass Lens



FOR WET LOCATION



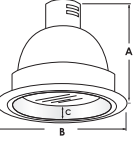
REFLECTOR FINISH:
CL, WT, MB, SHZ, W
RING FINISH:
WH, SCH, SHZ

A= 7-13/16" • B= 9-1/8" • C= 1-3/4"

8115-WT
Reflector with Tempered Clear Glass



FOR WET LOCATION



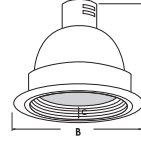
REFLECTOR FINISH:
CL, WT, MB, SHZ, W
RING FINISH:
WH, SCH, SHZ

A= 7-13/16" • B= 9-1/8" • C= 1-3/4"

8112-WH
Baffle with Frosted Glass Lens



FOR WET LOCATION



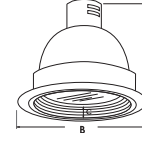
BAFFLE FINISH:
WH, P
RING FINISH:
WH

A= 7-13/16" • B= 9-1/8" • C= 1-3/4"

8113-WH
Baffle with Tempered Clear Glass



FOR WET LOCATION



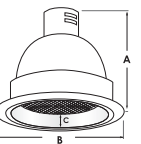
BAFFLE FINISH:
WH, P
RING FINISH:
WH

A= 7-13/16" • B= 9-1/8" • C= 1-3/4"

8116-CL
Reflector with Prismatic Plastic Lens



FOR WET LOCATION



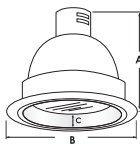
REFLECTOR FINISH:
CL, WT, MB, SHZ, W
RING FINISH:
WH

A= 7-13/16" • B= 9-1/8" • C= 1-3/4"

8118-WT
Reflector with Tempered Clear Plastic



FOR WET LOCATION



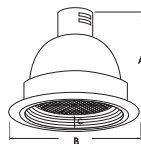
REFLECTOR FINISH:
CL, WT, MB, SHZ, W
RING FINISH:
WH

A= 7-13/16" • B= 9-1/8" • C= 1-3/4"

8117-WH
Baffle with Prismatic Plastic Lens



FOR WET LOCATION



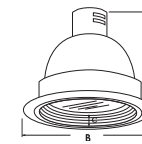
BAFFLE FINISH:
WH, P
RING FINISH:
WH

A= 7-13/16" • B= 9-1/8" • C= 1-3/4"

8119-WH
Baffle with Tempered Clear Plastic



FOR WET LOCATION



BAFFLE FINISH:
WH, P
RING FINISH:
WH

A= 7-13/16" • B= 9-1/8" • C= 1-3/4"

MAXILUME
ARCHITECTURAL LIGHTING

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subject to change without notice.

REV: MAXILUME-SPEC-03-23-2011

8" Vertical CFL Optics

Catalog Number:

Project Name:

Type:

Note:

MAXILUME
ARCHITECTURAL LIGHTING

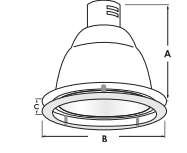
8109-CL
Deco Glass Reflector



REFLECTOR FINISH:
CL, WT, MB, SHZ, W

RING FINISH:
WH, SCH, SHZ

GLASS FINISH:
BLUE, GREEN, RED, FROST



A= 7-1/2" • B= 9-1/8" • C= 1-1/4"

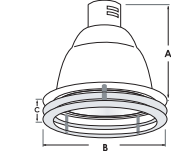
8110-CL
Double Ring Glass



REFLECTOR FINISH:
CL, WT, MB, SHZ, W

RING FINISH:
WH, SCH, SHZ

GLASS FINISH:
BLUE, GREEN, RED, FROST



A= 7-1/2" • B= 9-1/8" • C= 1-3/4"

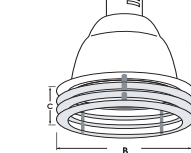
8111-CL
Triple Ring Glass



REFLECTOR FINISH:
CL, WT, MB, SHZ, W

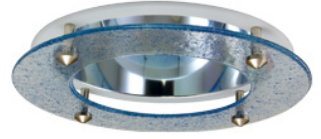
RING FINISH:
WH, SCH, SHZ

GLASS FINISH:
BLUE, GREEN, RED, FROST



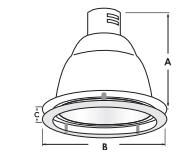
A= 7-1/2" • B= 9-1/8" • C= 2-1/4"

8121-CL
Stardust Deco Ring Glass



REFLECTOR FINISH:
CL, WT, MB, SHZ, W

RING FINISH:
WH, SCH, SHZ



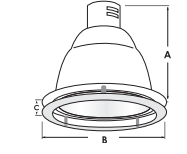
A= 7-1/2" • B= 9-1/8" • C= 1-1/4"

8122-CL
Euro Deco Ring Glass



REFLECTOR FINISH:
CL, WT, MB, SHZ, W

RING FINISH:
WH, SCH, SHZ



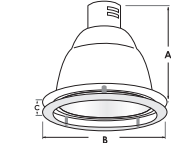
A= 7-1/2" • B= 9-1/8" • C= 1-1/4"

8123-CL
Prism Deco Ring Glass



REFLECTOR FINISH:
CL, WT, MB, SHZ, W

RING FINISH:
WH, SCH, SHZ



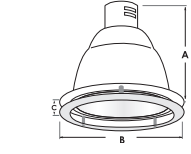
A= 7-1/2" • B= 9-1/8" • C= 1-1/4"

8124-CL
Geo Deco Ring Glass



REFLECTOR FINISH:
CL, WT, MB, SHZ, W

RING FINISH:
WH, SCH, SHZ



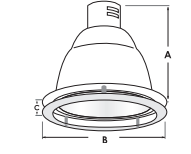
A= 7-1/2" • B= 9-1/8" • C= 1-1/4"

8125-CL
Central Etched Float Glass



REFLECTOR FINISH:
CL, WT, MB, SHZ, W

RING FINISH:
WH, SCH, SHZ



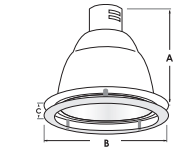
A= 7-1/2" • B= 9-1/8" • C= 1-1/4"

8126-CL
Diffusing Screen Wall Wash



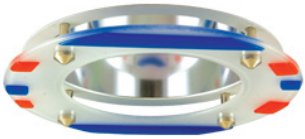
REFLECTOR FINISH:
CL, WT, MB, SHZ, W

RING FINISH:
WH, SCH, SHZ



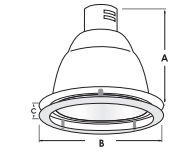
A= 7-1/2" • B= 9-1/8" • C= 1-1/4"

8127-CL
Geo Deco Ring Glass



REFLECTOR FINISH:
CL, WT, MB, SHZ, W

RING FINISH:
WH, SCH, SHZ



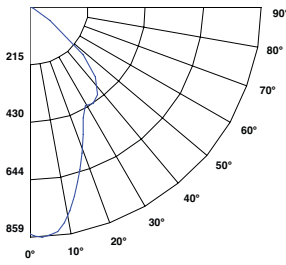
A= 7-1/2" • B= 9-1/8" • C= 1-1/4"

REFLECTOR	BAFFLE	RING
CL Clear	WH White	WH Self-Flange White
SHZ Satin Haze (Low Iridescent)	P Black	Standard on all trims
WT Wheat	GLASS	SCH** Self-Flange Chrome
MB Black	Only available on XX09, XX10 and XX11 series.	** Only available on XX01 CL
W White		SHZ* Satin Haze
		* Provided w/ satin haze ring only

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

HV8PL-1X26-E-8101CL / HVR8PL-1X26-E-8101CL / HVJ8PL1X26-E-6101CL- / BHVR8PL-1X26-E-8101CL / CV8PL-1X26-E-8101CL TEST NO.: LLI 0509-15K-P
 LAMP: GE F26TBX/841/A/ECO LUMENS: 1710 TOTAL LUMINAIRE EFFICIENCY: 64.7% 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%

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 20% = PF

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

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

Luminaire 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

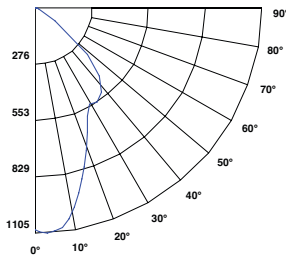
Zone	Lumens
0-10	65.32
10-20	193.56
20-30	206.57
30-40	215.93
40-50	254.92
50-60	113.13
60-70	46.48
70-80	7.2
80-90	3.78

Candela Tabulation

Zone	0	848
0	848	
1	853	
3	859	
5	855	
7	846	
9	815	
11	774	
13	727	
15	677	
17	636	
19.5	579	
22.5	513	
25.5	457	
29	423	
33	430	
37.5	410	
42.5	355	
47.5	265	
55	88	
65	10	
75	4	
85	2	
90	0	

HV8PL-1X32-E-8101CL / HVR8PL-1X32-E-8101CL / HVJ8PL1X32-E-8101CL- / BHVR8PL-1X32-E-8101CL / CV8PL-1X32-E-8101CL TEST NO.: LLI 0509-15K
 LAMP: GE F32TBX/841/A/ECO LUMENS: 2200 TOTAL LUMINAIRE EFFICIENCY: 64.7% 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%

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 20% = PF

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

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

Luminaire 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

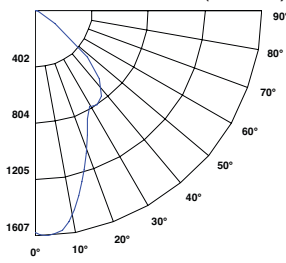
Zone	Lumens
0-10	84.04
10-20	249.02
20-30	265.76
30-40	277.65
40-50	328
50-60	145.5
60-70	59.76
70-80	9.26
80-90	5.14

Candela Tabulation

Zone	0	1091
0	1091	
1	1098	
3	1105	
5	1100	
7	1088	
9	1049	
11	996	
13	935	
15	871	
17	818	
19.5	745	
22.5	660	
25.5	588	
29	544	
33	553	
37.5	527	
42.5	457	
47.5	341	
55	113	
65	13	
75	5	
85	3	
90	0	

HV8PL-1X42-E-8101CL / HVR8PL-1X42-E-8101CL / HVJ8PL1X42-E-8101CL- / BHVR8PL-1X42-E-8101CL / CV8PL-1X26-E-8101CL TEST NO.: LLI 0509-15K-P
 LAMP: GE F42TBX/841/A/ECO LUMENS: 3200 TOTAL LUMINAIRE EFFICIENCY: 64.7% 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%

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 20% = PF

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%	50%	30%	10%	0%	0%		
0	77	77	77	77	75	75	75	75	72	72	72	69	69	69	66	66	66	66	66	66	65	65		
1	72	70	68	66	71	69	67	65	66	64	63	63	62	61	61	60	59	58	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	51		
3	63	57	53	50	61	56	52	49	54	51	48	53	50	48	51	49	47	46	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	41		
5	54	47	42	39	53	47	42	39	45	41	38													