

HHJ6PL

6" Architectural Horizontal CFL Retrofit Downlight

Architectural

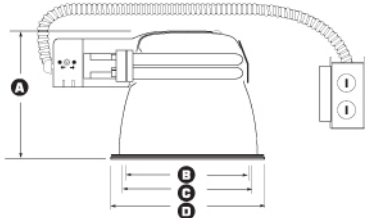
Catalog Number:

Project Name:

Type:

Note:

MAXILUME
ARCHITECTURAL LIGHTING



A. Height = 5-3/8"

B. Trim Aperture = 6-1/8"

C. Cut-out = 6-7/8"

D. Trim Outside Diameter = 7-3/8"



DESCRIPTION

Designed to install into an existing downlights mounting frame and convert them into energy efficient CFL downlights. Fits all downlights with 6-3/4" aperture.

1. LAMP HOLDER - 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

HHJ6PL - ITEM SELECTOR: (Please check the boxes below for the option desired)

WATTAGE	BALLAST	VOLTAGE	EMERGENCY OPTIONS	TRIM TYPE & DESCRIPTION	REFLECTOR	BAFFLE	GLASS
1 LAMP ☐ 1X9 ☐ 1X13 ☐ 1X18 ☐ 1X26 ☐ 1X32 ☐ 1X42	☐ (E) Electronic ☐ (M) Magnetic ¹ ☐ (S) Energy Star ² DIMMING ☐ Mark 7 ³ ☐ Mark 10 ⁴ ☐ Lut-E (EC3D) ⁵	☐ MVOLT (120/277) ☐ 120 ☐ 277 ☐ 347	☐ EMG 750 (750 Lumens) ⁶ ☐ EMG 1300 (1300 Lumens) ⁶ OTHER OPTIONS ☐ FUSE ¹¹ ☐ RIF ¹²	☐ 6501 ☐ 6516 ☐ 6526 ☐ 6502 ☐ 6517 ☐ 6527 ☐ 6503 ☐ 6518 ☐ 6504 ☐ 6519 ☐ 6505 ☐ 6509 ☐ 6506 ☐ 6510 ☐ 6507 ☐ 6511 ☐ 6508 ☐ 6521 ☐ 6512 ☐ 6522 ☐ 6513 ☐ 6523 ☐ 6514 ☐ 6524 ☐ 6515 ☐ 6525	☐ CL ☐ SCH ^{**} ☐ SHZ ^{**} ☐ WT ☐ W ☐ MB	☐ WH ☐ P	☐ Blue ☐ Green ☐ Red ☐ Frost

¹ - (M) Magnetic = Available on 9W, 13W, 18W & 26W fixtures only • ² - (S) Energy Star = Available on selected fixtures only, please see list above • ³ - MARK 7 = Must specify voltage • ⁴ - MARK 10 = Not available on 13W, 57W, 70W, must specify voltage • ⁵ - LUT-E (EC3D) = Not available on 13W, 57W, 70W, must specify voltage • 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:

HHJ6PL

WATT BALLAST VOLTAGE EMERGENCY OPTIONS TRIM TYPE REFLEC. BAFFLE RING GLASS

Sample of Catalog Number: HHJ6PL-1X32-E-MVOLT-EMG750-6501-CL-WH

MAXILUME
ARCHITECTURAL LIGHTING

A division of
Elite Lighting

Submittal form is available @ www.maxilume.com
Tel: 323-888-1973 • Fax: 323-888-1977

Specifications and Dimensions
subject to change without notice.

MAX-SPECS 2011-03-08

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

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

6" Horizontal CFL Optics

Catalog Number:

Project Name:

Type:

Note:

MAXILUME
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**6501-CL
Reflector**



**6502-WH-CL
Baffle with Reflector**



**6507-SHZ
Wall Wash Reflector**



**6508-CL
Crossblade Reflector**



**6503-CL
Reflector with Fresnel Glass Lens**



**6504-CL
Reflector with Prismatic Glass Lens**



**6505-P
Baffle with Fresnel Glass Lens**



**6506-WH
Baffle with Prismatic Glass Lens**



**6514-CL
Reflector with Frosted Glass Lens**



**6515-WT
Reflector with Tempered Clear Glass**



**6512-WH
Baffle with Frosted Glass Lens**



**6513-WH
Baffle with Tempered Clear Glass**



**6516-CL
Reflector with Prismatic Plastic Lens**



**6518-WT
Reflector with Tempered Clear Plastic**



**6517-WH
Baffle with Prismatic Plastic Lens**



**6519-WH
Baffle with Tempered Clear Plastic**



6" Horizontal CFL Optics

Catalog Number:

Project Name:

Type:

Note:

MAXILUME
ARCHITECTURAL LIGHTING

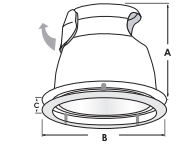
6509-CL Deco Glass Reflector



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

RING FINISH:
WH, SCH, SHZ

GLASS FINISH:
BLUE, GREEN, RED, FROST



A= 5-1/2" • B= 7-3/8" • C= 1-1/4"

6510-CL Double Ring Glass



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

RING FINISH:
WH, SCH, SHZ

GLASS FINISH:
BLUE, GREEN, RED, FROST



A= 5-1/2" • B= 7-3/8" • C= 1-3/4"

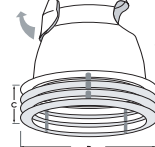
6511-CL Triple Ring Glass



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

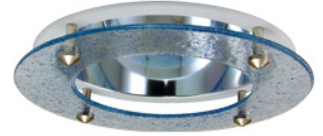
RING FINISH:
WH, SCH, SHZ

GLASS FINISH:
BLUE, GREEN, RED, FROST



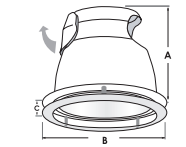
A= 5-1/2" • B= 7-3/8" • C= 2-1/4"

6521-CL Stardust Deco Ring Glass



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

RING FINISH:
WH, SCH, SHZ



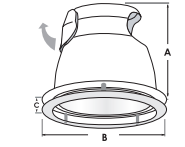
A= 5-1/2" • B= 7-3/8" • C= 1-1/4"

6522-CL Euro Deco Ring Glass



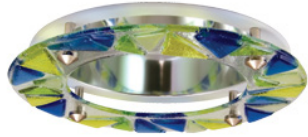
REFLECTOR FINISH:
CL, WT, MB, SHZ, W

RING FINISH:
WH, SCH, SHZ



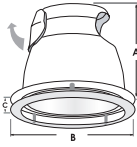
A= 5-1/2" • B= 7-3/8" • C= 1-1/4"

6523-CL Prism Deco Ring Glass



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

RING FINISH:
WH, SCH, SHZ



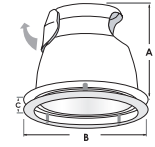
A= 5-1/2" • B= 7-3/8" • C= 1-1/4"

6524-CL Geo Deco Ring Glass



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

RING FINISH:
WH, SCH, SHZ



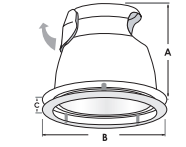
A= 5-1/2" • B= 7-3/8" • C= 1-1/4"

6525-CL Central Etched Float Glass



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

RING FINISH:
WH, SCH, SHZ



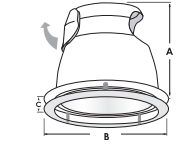
A= 5-1/2" • B= 7-3/8" • C= 1-1/4"

6526-CL Diffusing Screen Wall Wash



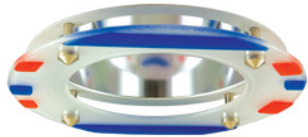
REFLECTOR FINISH:
CL, WT, MB, SHZ, W

RING FINISH:
WH, SCH, SHZ



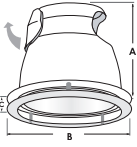
A= 5-1/2" • B= 7-3/8" • C= 1-1/4"

6527-CL Geo Deco Ring Glass



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

RING FINISH:
WH, SCH, SHZ



A= 5-1/2" • B= 7-3/8" • C= 1-1/4"

REFLECTOR	CL Clear	BAFFLE	WH White	RING	WH Self-Flange White
	SHZ Satin Haze (Low Iridescent)		P Black		Standard on all trims
WT Wheat		GLASS	Only available on XX09, XX10 and XX11 series.		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.

PHOTOMETRIC DATA | CFL | 6" HORIZONTAL DOWNLIGHT

MAXILUME
ARCHITECTURAL LIGHTING

HH6PL-1X26-E-6501-CL / BHHR6PL-1X26-E-6501-CL / HHR6PL-1X26-E-6501-CL / HHJ6PL-1X26-E-6501-CL / CH6PL-1X26-E-6501-CL

TEST NO.: LLI 0509-15P-P

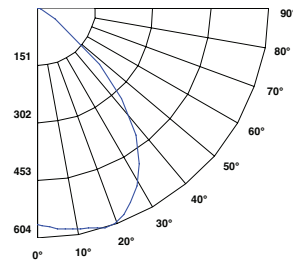
LAMP: GE F26TBX/841/A/ECO

LUMENS: 1710

TOTAL LUMINAIRE EFFICIENCY: 62.2%

SPACING CRITERIA: 1.26

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-30°	458.19	26.8	43.1
0-40°	702.88	41.1	66
0-60°	1026.99	60.1	96.5
0-90°	1064.31	62.2	100
90-120°	0	0	0
90-130°	0	0	0
90-150°	0	0	0
90-180°	0	0	0
0-180°	1064.31	62.2	100

Total Luminaire Efficiency = 62.2%

Luminaire Data (cd/sq.m)

Angle In Degrees	Average 0°	Average 45°	Average 90°
45°	20212	20212	20212
55°	4956	4956	4956
65°	872	872	872
75°	610	610	610
85°	1208	1208	1208

Zonal Lumen Summary

Zone	Lumens
0-10	45.13
10-20	169.26
20-30	243.79
30-40	244.69
40-50	236.3
50-60	87.81
60-70	28.93
70-80	5.15
80-90	3.24

Candela Tabulation

0	0
0	570
1	573
3	577
5	582
7	586
9	589
11	591
13	594
15	599
17	604
19.5	602
22.5	587
25.5	565
29	535
33	487
37.5	421
42.5	323
47.5	220
55	54
65	7
75	3
85	2
90	0

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 20% = PF

RC	70%	80%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
RW	70%	80%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
0	74	74	74	74	72	72	72	72	69	69	69	66	66	66	64	64	64	62	
1	70	67	66	64	68	66	64	63	64	62	61	61	60	59	59	58	57	56	
2	65	61	58	55	63	60	57	55	58	55	53	56	54	52	54	53	51	50	
3	60	55	51	48	59	54	51	48	53	50	47	51	49	46	50	47	46	44	
4	56	50	46	43	55	50	45	42	48	45	42	47	44	41	46	43	41	40	
5	52	46	41	38	51	45	41	38	44	40	37	43	40	37	42	39	37	35	
6	49	42	37	34	48	41	37	34	40	36	33	39	36	33	38	35	33	32	
7	46	38	34	31	45	38	34	30	37	33	30	36	33	30	35	32	30	29	
8	43	35	31	28	42	35	31	28	34	30	27	34	30	27	33	30	27	26	
9	40	33	28	25	39	32	28	25	32	28	25	31	27	25	31	27	25	24	
10	38	30	26	23	37	30	26	23	29	26	23	29	25	23	28	25	23	22	

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

HH6PL-1X32-E-6501-CL / BHHR6PL-1X32-E-6501-CL / HHR6PL-1X32-E-6501-CL / HHJ6PL-1X32-E-6501-CL / HH6PL-1X32-E-6501-CL

TEST NO.: LLI 0509-15P-P

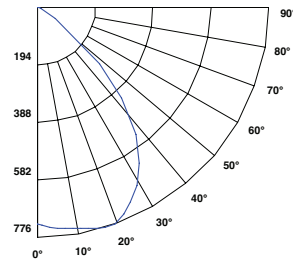
LAMP: GE F32TBX/841/A/ECO

LUMENS: 2200

TOTAL LUMINAIRE EFFICIENCY: 62.2%

SPACING CRITERIA: 1.26

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-30°	589.4	26.8	43
0-40°	904.2	41.1	66
0-60°	1321.56	60.1	96.5
0-90°	1369.5	62.3	100
90-120°	0	0	0
90-130°	0	0	0
90-150°	0	0	0
90-180°	0	0	0
0-180°	1369.5	62.3	100

Total Luminaire Efficiency =

Luminaire Data (cd/sq.m)

Angle In Degrees	Average 0°	Average 45°	Average 90°
45°	26019	26019	26019
55°	6425	6425	6425
65°	1121	1121	1121
75°	814	814	814
85°	1208	1208	1208

Zonal Lumen Summary

Zone	Lumens
0-10	58.01
10-20	217.69
20-30	313.7
30-40	314.8
40-50	304.23
50-60	113.13
60-70	37.47
70-80	6.69
80-90	3.78

Candela Tabulation

0	0
0	733
1	737
3	742
5	748
7	753
9	757
11	760
13	764
15	771
17	776
19.5	775
22.5	756
25.5	726
29	689
33	626
37.5	542
42.5	416
47.5	283
55	70
65	9
75	4
85	2
90	0

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 20% = PF

ROOM CAVITY RATIO	RC	80%				70%				50%				30%				10%				0%
	RW	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%			
	0	74	74	74	74	72	72	72	72	69	69	69	66	66	66	64	64	64	62			
	1	70	67	66	64	68	66	64	63	64	62	61	60	59	58	57	56	55	54			
	2	65	61	58	55	64	60	57	55	58	55	53	56	54	52	54	53	51	50			
	3	61	55	51	48	59	54	51	48	53	50	47	51	49	46	50	47	46	44			
	4	56	50	46	43	55	50	45	42	48	45	42	47	44	41	46	43	41	40			
	5	52	46	41	38	51	45	41	38	44	40	37	43	40	37	42	39	37	35			
	6	49	42	37	34	48	41	37	34	40	36	33	39	36	33	38	35	33	32			
	7	46	38	34	31	45	38	34	30	37	33	30	36	33	30	35	32	30	29			
8	43	35	31	28	42	35	31	28	34	30	27	34	30	27	33	30	27	26				
9	40	33	28	25	39	32	28	25	32	28	25	31	27	25	31	27	25	24				
10	38	30	26	23	37	30	26	23	29	26	23	29	25	23	28	25	23	22				

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

HH6PL-1X42-E-6501-CL / BHHR6PL-1X42-E-6501-CL / HHR6PL-1X42-E-6501-CL / HHJ6PL-1X42-E-6501-CL / HH6PL-1X42-E-6501-CL

TEST NO.: LLI 0509-15P-P

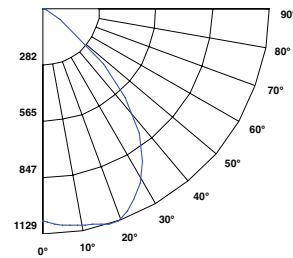
LAMP: GE F42TBX/841/A/ECO

LUMENS: 3200

TOTAL LUMINAIRE EFFICIENCY: 62.3%

SPACING CRITERIA: 1.26

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-30°	857.26	26.8	43
0-40°	1315.19	41.1	66
0-60°	1922.41	60.1	96.5
0-90°	1992.4	62.3	100
90-120°	0	0	0
90-130°	0	0	0
90-150°	0	0	0
90-180°	0	0	0
0-180°	1992.4	62.3	100

Total Luminaire Efficiency =

Luminaire Data (cd/sq.m)

Angle In Degrees	Average 0°	Average 45°	Average 90°
45°	37856	37856	37856
55°	9361	9361	9361
65°	1619	1619	1619
75°	1220	1220	1220
85°	1812	1812	1812

Zonal Lumen Summary

Zone	Lumens
0-10	84.37
10-20	316.58
20-30	456.31
30-40	457.93
40-50	442.49
50-60	164.73
60-70	54.54
70-80	9.78
80-90	5.68

Candela Tabulation

0	0
0	1066
1	1072
3	1079
5	1088
7	1095
9	1101
11	1105
13	1111
15	1121
17	1129
19.5	1127
22.5	1100
25.5	1056
29	1002
33	911
37.5	788
42.5	605
47.5	412
55	102
65	13
75	6
85	3
90	0

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 20% = PF

ROOM CAVITY RATIO	RC	80%				70%				50%				30%				10%				0%
	RW	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%			
	0	74	74	74	74	72	72	72	72	69	69	69	66	66	66	64	64	64	62			
	1	70	68	66	64	68	66	64	63	64	62	61	61	60	59	59	58	57	56			
	2	65	61	58	55	64	60	57	55	58	56	53	56	54	52	54	53	51	50			
	3	61	55	51	48	59	54	51	48	53	50	47	51	49	46	50	47	46	44			
	4	56	50	46	43	55	50	45	42	48	45	42	47	44	41	46	43	41	40			
	5	52	46	41	38	51	45	41	38	44	40	37	43	40	37	42	39	37	35			
	6	49	42	37	34	48	41	37	34	40	36	33	39	36	33	38	35	33	32			
	7	46	38	34	31	45	38	34	30	37	33	30	36	33	30	35	32	30	29			
8	43	35	31	28	42	35	31	28	34	30	27	34	30	27	33	30	27	26				
9	40	33	28	25	39	32	28	25	32	28	25	31	27	25	31	27	25	24				
10	38	30	26	23	37	30	26	23	29	26	23	29	25	23	28	25	23	22				

HH6PL(IC)-2X13-E-6501-CL / BHHR6PL-2X13-E-6501-CL / HHR6PL-2X13-E-6501-CL / HHJ6PL-2X13-E-6501-CL/CH6PL-2X13-E-6501-CL

TEST NO.: LLI 0509-15S-P

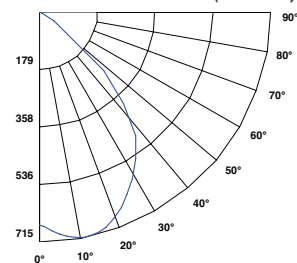
LAMP: GE F13TBX/841/A/ECO

LUMENS: 900

TOTAL LUMINAIRE EFFICIENCY: 67.9%

SPACING CRITERIA: 1.28

Candle Power Distribution (Candelas)



Beam Angle: 110°		
4'	41.4	11.1'
6'	18.4	16.7'
8'	10.3	22.2'
10'	6.6	28'
12'	4.6	33.3'
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°	525.71	29.2	43
0-40°	801.05	44.5	65.6
0-60°	1185.02	65.8	97
0-90°	1221.97	67.9	100
90-120°	0	0	0
90-130°	0	0	0
90-150°	0	0	0
90-180°	0	0	0
0-180°	1221.97	67.9	100

Total Luminaire Efficiency = 67.9%

Luminance Data (cd/sq.m)

Angle In Degrees	Average 0°	Average 45°	Average 90°
45°	24419	24419	24419
55°	4681	4681	4681
65°	872	872	872
75°	814	814	814
85°	1208	1208	1208

Zonal Lumen Summary

Zone	Lumens
0-10	53.98
10-20	199.48
20-30	272.26
30-40	275.33
40-50	281.1
50-60	102.88
60-70	27.51
70-80	5.66
80-90	3.78

Candela Tabulation

Zone	Lumens
0	662
1	668
3	683
5	695
7	704
9	711
11	715
13	714
15	710
17	701
19.5	681
22.5	657
25.5	629
29	593
33	544
37.5	488
42.5	386
47.5	270
55	51
65	7
75	4
85	2
90	0

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 20% = PF

RC	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%	0%
0	81	81	81	81	79	79	79	79	75	75	75	72	72	72	69	69	69	69	69	69	68	68	68	68
1	76	74	72	70	74	72	70	69	69	68	66	67	66	64	64	63	63	63	63	63	61	61	61	61
2	71	67	63	60	69	66	62	60	63	61	58	61	59	57	59	57	56	55	55	55	55	55	55	55
3	66	60	56	53	65	59	56	52	58	54	51	56	53	51	54	52	50	49	49	49	49	49	49	49
4	61	55	50	47	60	54	50	46	53	49	46	51	48	45	50	47	45	43	43	43	43	43	43	43
5	57	50	45	41	56	49	45	41	48	44	41	47	43	40	46	43	40	39	39	39	39	39	39	39
6	53	46	41	37	52	45	40	37	44	40	37	43	39	36	42	39	36	35	35	35	35	35	35	35
7	50	42	37	33	49	42	37	33	41	36	33	40	36	33	39	35	33	31	31	31	31	31	31	31
8	47	39	34	30	46	38	34	30	37	33	30	37	33	30	36	32	30	29	29	29	29	29	29	29
9	44	36	31	28	43	35	31	28	35	30	27	34	30	27	33	30	27	26	26	26	26	26	26	26
10	41	33	28	25	40	33	28	25	32	28	25	32	28	25	31	28	25	24	24	24	24	24	24	24

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

HH6PL(IC)-2X18-E-6501-CL / BHHR6PL-2X18-E-6501-CL / HHR6PL-2X18-E-6501-CL / HHJ6PL-2X18-E-6501-CL/CH6PL-2X18-E-6501-CL

TEST NO.: LLI 0509-15S-P

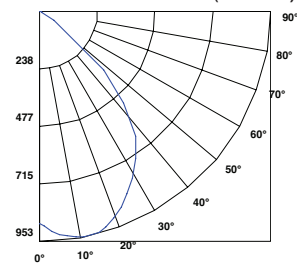
LAMP: GE F18TBX/841/A/ECO

LUMENS: 1200

TOTAL LUMINAIRE EFFICIENCY: 67.9%

SPACING CRITERIA: 1.28

Candle Power Distribution (Candelas)



Beam Angle: 110°		
4'	55.1	11.1'
6'	24.5	16.7'
8'	13.8	22.2'
10'	8.8	27.8'
12'	6.1	33.3'
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°	701.11	29.2	43
0-40°	1068.48	44.5	65.6
0-60°	1580.63	65.9	97
0-90°	1629.66	67.9	100
90-120°	0	0	0
90-130°	0	0	0
90-150°	0	0	0
90-180°	0	0	0
0-180°	1629.66	67.9	100

Total Luminaire Efficiency = 67.9%

Luminance Data (cd/sq.m)

Angle In Degrees	Average 0°	Average 45°	Average 90°
45°	32571	32571	32571
55°	6241	6241	6241
65°	1246	1246	1246
75°	1017	1017	1017
85°	1208	1208	1208

Zonal Lumen Summary

Zone	Lumens
0-10	71.99
10-20	265.97
20-30	363.15
30-40	367.37
40-50	374.98
50-60	137.17
60-70	36.99
70-80	7.72
80-90	4.32

Candela Tabulation

Zone	Lumens
0	882
1	891
3	911
5	927
7	939
9	948
11	953
13	952
15	947
17	934
19.5	909
22.5	876
25.5	839
29	791
33	726
37.5	651
42.5	515
47.5	360
55	68
65	10
75	5
85	2
90	0

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 20% = PF

RC	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%	0%
0	81	81	81	81	79	79	79	79	75	75	75	72	72	72	69	69	69	69	69	69	68	68	68	68
1	76	74	72	70	74	72	70	69	69	68	66	67	66	64	64	63	63	63	63	63	61	61	61	61
2	71	67	63	60	69	66	62	60	63	61	58	61	59	57	59	57	56	55	55	55	55	55	55	55
3	66	61	56	53	65	60	56	52	58	54	51	56	53	51	54	52	50	49	49	49	49	49	49	49
4	61	55	50	47	60	54	50	46	53	49	46	51	48	45	50	47	45	43	43	43	43	43	43	43
5	57	50	45	41	56	49	45	41	48	44	41	47	43	40	46	43	40	39	39	39	39	39	39	39
6	53	46	41	37	52	45	40	37	44	40	37	43	39	36	42	39	36	35	35	35	35	35	35	35
7	50	42	37	33	49	42	37	33	41	36	33	40	36	33	39	35	33	32	32	32	32	32	32	32
8	47	39	34	30	46	38	34	30	37	33	30	37	33	30	36	32	30	29	29	29	29	29	29	29
9	44	36	31	28	43	35	31	28	35	30	27	34	30	27	33	30	27	26	26	26	26	26	26	26
10	41	33	28	25	40	33	28	25	32	28	25	32	28	25	31	28	25	24	24	24	24	24	24	24

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

HH6PL(IC)-2X26-E-6501-CL / BHHR6PL-2X26-E-6501-CL / HHR6PL-2X26-E-6501-CL / HHJ6PL-2X26-E-6501-CL/CH6PL-2X26-E-6501-CL

TEST NO.: LLI 0509-15S-P

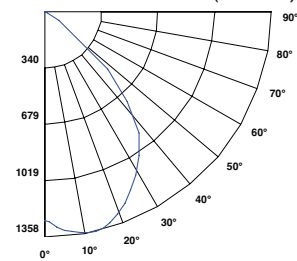
LAMP: GE F26TBX/841/A/ECO

LUMENS: 1710

TOTAL LUMINAIRE EFFICIENCY: 67.9%

SPACING CRITERIA: 1.28

Candle Power Distribution (Candelas)



Beam Angle: 109°		
4'	78.6	11.1'
6'	34.9	16.7'
8'	19.6	22.2'
10'	12.6	27.8'
12'	8.7	33.3'
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°	998.97	29.2	43
0-40°	1522.09	44.5	65.5
0-60°	2251.87	65.8	97
0-90°	2322.52	67.9	100
90-120°	0	0	0
90-130°	0	0	0
90-150°	0	0	0
90-180°	0	0	0
0-180°	2322.52	67.9	100

Total Luminaire Efficiency = 67.9%

Luminance Data (cd/sq.m)

Angle In Degrees	Average 0°	Average 45°	Average 90°
45°	46418	46418	46418
55°	8903	8903	8903
65°	1868	1868	1868
75°	1424	1424	1424
85°	1812	1812	1812

Zonal Lumen Summary

Zone	Lumens
0-10	102.58
10-20	378.99
20-30	517.39
30-40	523.13
40-50	534.28
50-60	195.5
60-70	53.12
70-80	11.32
80-90	6.21