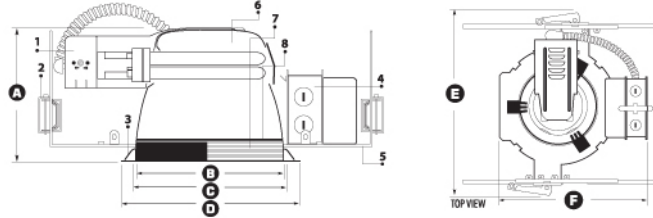


Architectural



F. Length = 12-1/2"

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

MAX-SPECS 2011-03-08

8" Horizontal CFL Optics

Catalog Number:

Project Name:

Type:

Note:

MAXILUME
ARCHITECTURAL LIGHTING

**8501-CL
Reflector**



**8502-WH-CL
Baffle with Reflector**



**8507-SHZ
Wall Wash Reflector**



**8508-CL
Crossblade Reflector**



**8503-CL
Reflector with Fresnel Glass Lens**



**8504-CL
Reflector with Prismatic Glass Lens**



**8505-P
Baffle with Fresnel Glass Lens**



**8506-WH
Baffle with Prismatic Glass Lens**



**8514-CL
Reflector with Frosted Glass Lens**



**8515-WT
Reflector with Tempered Clear Glass**



**8512-WH
Baffle with Frosted Glass Lens**



**8513-WH
Baffle with Tempered Clear Glass**



**8516-CL
Reflector with Prismatic Plastic Lens**



**8518-WT
Reflector with Tempered Clear Plastic**



**8517-WH
Baffle with Prismatic Plastic Lens**



**8519-WH
Baffle with Tempered Clear Plastic**



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.

REV: MAXILUME-SPEC-03-23-2011

8" Horizontal CFL Optics

Catalog Number:

Project Name:

Type:

Note:

MAXILUME
ARCHITECTURAL LIGHTING

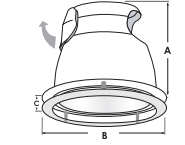
8509-CL Deco Glass Reflector



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

RING FINISH:
WH, SCH, SHZ

GLASS FINISH:
BLUE, GREEN, RED, FROST



A= 6-1/4" • B= 9-1/8" • C= 1-1/4"

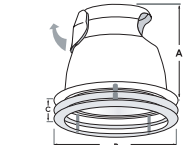
8510-CL Double Ring Glass



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

RING FINISH:
WH, SCH, SHZ

GLASS FINISH:
BLUE, GREEN, RED, FROST



A= 6-1/4" • B= 9-1/8" • C= 1-3/4"

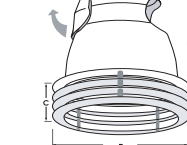
8511-CL Triple Ring Glass



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

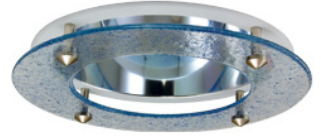
RING FINISH:
WH, SCH, SHZ

GLASS FINISH:
BLUE, GREEN, RED, FROST



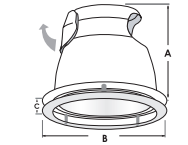
A= 6-1/4" • B= 9-1/8" • C= 2-1/4"

8521-CL Stardust Deco Ring Glass



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

RING FINISH:
WH, SCH, SHZ



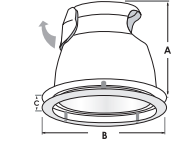
A= 6-1/4" • B= 9-1/8" • C= 1-1/4"

8522-CL Euro Deco Ring Glass



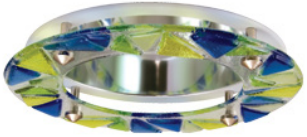
REFLECTOR FINISH:
CL, WT, MB, SHZ, W

RING FINISH:
WH, SCH, SHZ



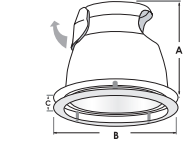
A= 6-1/4" • B= 9-1/8" • C= 1-1/4"

8523-CL Prism Deco Ring Glass



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

RING FINISH:
WH, SCH, SHZ



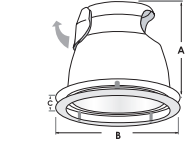
A= 6-1/4" • B= 9-1/8" • C= 1-1/4"

8524-CL Geo Deco Ring Glass



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

RING FINISH:
WH, SCH, SHZ



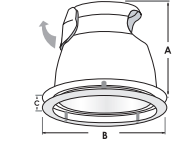
A= 6-1/4" • B= 9-1/8" • C= 1-1/4"

8525-CL Central Etched Float Glass



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

RING FINISH:
WH, SCH, SHZ



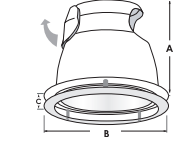
A= 6-1/4" • B= 9-1/8" • C= 1-1/4"

8526-CL Diffusing Screen Wall Wash



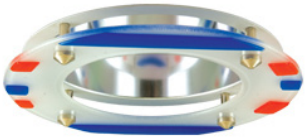
REFLECTOR FINISH:
CL, WT, MB, SHZ, W

RING FINISH:
WH, SCH, SHZ



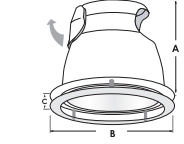
A= 6-1/4" • B= 9-1/8" • C= 1-1/4"

8527-CL Geo Deco Ring Glass



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

RING FINISH:
WH, SCH, SHZ



A= 6-1/4" • B= 9-1/8" • 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

8" HORIZONTAL DOWNLIGHT

MAXILUME

ARCHITECTURAL LIGHTING

HH8PL-1X26-E-8501CL / HHR8PL-1X26-E-8501CL / HHJ8PL-1X26-E-8501CL / CH8PL-1X26-E-8501CL

TEST NO.: LLI 0509-15V-P

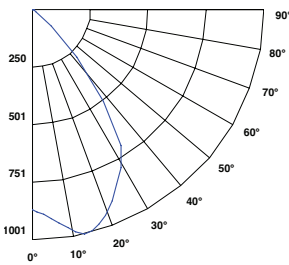
LAMP: GE F26TBX/841/A/ECO

LUMENS: 1710

TOTAL LUMINAIRE EFFICIENCY: 75%

SPACING CRITERIA: 1.14

Candle Power Distribution (Candelas)



Beam Angle: 110°		
4'	54.6	7.9'
6'	24.5	11.9'
8'	13.6	15.8'
10'	8.7	19.8'
12'	6.1	23.7'
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°	690.28	40.4	53.8
0-40°	1037.93	60.7	81
0-60°	1266.15	74	98.8
0-90°	1281.89	75	100
90-120°	0	0	0
90-130°	0	0	0
90-150°	0	0	0
90-180°	0	0	0
0-180°	1281.89	75	100

Total Luminaire Efficiency =

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%	50%	30%	10%	0%
0	89	89	89	89	89	87	87	87	87	83	83	83	80	80	80	76	76	76	75	75	75	75	75	75	75
1	84	82	80	78	83	80	79	77	77	77	76	75	75	73	72	72	71	70	69	69	69	69	69	69	69
2	80	75	72	69	78	74	71	68	72	69	67	69	67	65	67	66	64	63	63	63	63	63	63	63	63
3	75	69	65	62	73	68	64	61	66	63	60	64	62	59	63	60	58	57	57	57	57	57	57	57	57
4	70	64	59	55	69	63	59	55	61	57	54	60	56	54	58	55	53	52	52	52	52	52	52	52	52
5	66	59	54	50	65	58	53	50	57	53	49	55	52	49	54	51	49	47	47	47	47	47	47	47	47
6	62	54	49	46	61	54	49	45	53	48	45	51	48	45	50	47	44	43	43	43	43	43	43	43	43
7	58	50	45	42	57	50	45	42	49	44	41	48	44	41	47	43	41	40	40	40	40	40	40	40	40
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9	52	44	39	35	51	43	38	35	42	38	35	42	38	35	41	37	35	34	34	34	34	34	34	34	34
10	49	41	36	32	48	40	36	32	40	35	32	39	35	32	38	35	32	31	31	31	31	31	31	31	31

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

Luminance Data (cd/sq.m)

Angle In Degrees	Average	Average	Average
0°	45°	90°	
45°	8411	6794	7096
55°	904	691	691
65°	361	361	361
75°	354	354	354
85°	700	700	700

Zonal Lumen Summary

Zone	Lumens
0-10	69.12
10-20	256.21
20-30	364.95
30-40	347.65
40-50	199.82
50-60	28.4
60-70	8.48
70-80	4.02
80-90	3.24

Candela Tabulation

	0	45	90
0	873	873	873
1	882	879	876
3	892	885	877
5	911	894	878
7	936	905	878
9	962	911	881
11	986	909	888
13	1001	903	897
15	998	895	901
17	975	883	898
19.5	948	864	897
22.5	902	841	906
25.5	843	824	899
29	790	794	864
33	706	693	766
37.5	502	485	550
42.5	280	246	262
47.5	110	69	67
55	17	13	13
65	5	5	5
75	3	3	3
85	2	2	2
90	0	0	0

HH8PL-1X32-E-8501CL / HHR8PL-1X32-E-8501CL / HHJ8PL-1X32-E-8501CL / CH8PL-1X32-E-8501CL

TEST NO.: LLI 0509-15V

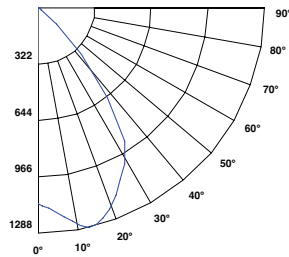
LAMP: GE F32TBX/841/A/ECO

LUMENS: 2200

TOTAL LUMINAIRE EFFICIENCY: 75%

SPACING CRITERIA: 1.14

Candle Power Distribution (Candelas)



Beam Angle: 89°		
4'	70.2	7.9'
6'	31.2	11.9'
8'	17.6	15.8'
10'	11.2	19.8'
12'	7.8	23.7'
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°	888.06	40.4	53.8
0-40°	1335.36	60.7	81
0-60°	1628.96	74	98.8
0-90°	1649.42	75	100
90-120°	0	0	0
90-130°	0	0	0
90-150°	0	0	0
90-180°	0	0	0
0-180°	1649.42	75	100

Total Luminaire Efficiency = 75%

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%	50%	30%	10%	0%
0	89	89	89	89	89	87	87	87	87	83	83	83	80	80	80	77	77	77	75	75	75	75	75	75	75
1	84	82	80	78	83	80	79	77	77	77	76	75	75	73	72	72	71	70	69	69	69	69	69	69	69
2	80	75	72	69	78	74	71	68	72	69	67	69	67	65	67	66	64	63	63	63	63	63	63	63	63
3	75	69	65	62	73	68	64	61	66	63	60	64	62	59	63	60	58	57	57	57	57	57	57	57	57
4	70	64	59	55	69	63	59	55	61	57	54	60	56	54	58	55	53	52	52	52	52	52	52	52	52
5	66	59	54	50	65	58	53	50	57	53	49	55	52	49	54	51	49	47	47	47	47	47	47	47	47
6	62	54	49	46	61	54	49	45	53	48	45	51	48	45	50	47	44	43	43	43	43	43	43	43	43
7	58	50	45	42	57	50	45	42	49	44	41	48	44	41	47	43	41	40	40	40	40	40	40	40	40
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9	52	44	39	35	51	43	38	35	42	38	35	42	38	35	41	37	35	34	34	34	34	34	34	34	34
10	49	41	36	32	48	40	36	32	40	35	32	39	35	32	38	35	32	31	31	31	31	31	31	31	31

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

Luminance Data (cd/sq.m)

Angle In Degrees	Average	Average	Average
0°	45°	90°	
45°	10806	8757	9123
55°	1170	904	904
65°	433	433	433
75°	471	471	471
85°	1050	1050	1050

Zonal Lumen Summary

Zone	Lumens
0-10	88.93
10-20	329.61
20-30	469.52
30-40	447.3
40-50	257.07
50-60	36.54
60-70	10.82
70-80	5.05
80-90	4.6

Candela Tabulation

	0	45	90
0	1123	1123	1123
1	1135	1131	1127
3	1147	1139	1128
5	1172	1150	1129
7	1204	1164	1130
9	1238	1172	1134
11	1269	1169	1142
13	1288	1162	1154
15	1284	1151	1159
17	1255	1136	1155
19.5	1220	1111	1154
22.5	1160	1082	1166
25.5	1084	1060	1156
29	1017	1022	1111
33	908	891	986
37.5	646	624	707
42.5	360	317	337
47.5	141	89	86
55	22	17	17
65	6	6	6
75	4	4	4
85	3	3	3
90	0	0	0

PHOTOMETRIC DATA | CFL | 8" HORIZONTAL DOWNLIGHT

MAXILUME
ARCHITECTURAL LIGHTING

HH8PL-2X26-E-8501CL / HHR8PL-2X26-E-8501CL / HHJ8PL-2X26-E-8501CL / CH8PL-2X26-E-8501CL

TEST NO.: LLI 0509-15Y

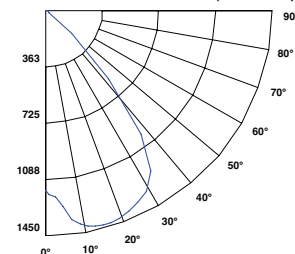
LAMP: GE F26TBX/841/A/ECO

LUMENS: 1710

TOTAL LUMINAIRE EFFICIENCY: 64.2%

SPACING CRITERIA: 1.26

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-30°	1078.33	31.5	49.1
0-40°	1662.5	48.6	75.8
0-60°	2163.49	63.3	98.6
0-90°	2194.11	64.2	100
90-120°	0	0	0
90-130°	0	0	0
90-150°	0	0	0
90-180°	0	0	0
0-180°	2194.11	64.2	100

Total Luminaire Efficiency = 64.2%

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%		
ROOM CAVITY RATIO	0	76	76	76	76	75	75	75	75	71	71	71	68	68	68	65	65	65	65	64	64	64	64	64		
	1	72	70	68	67	71	69	67	65	66	65	63	64	63	62	61	61	60	59	59	57	55	54	53		
	2	68	64	61	58	62	62	62	60	61	61	59	57	56	57	55	54	53	51	49	48	48	48	48		
	3	63	59	55	52	58	58	58	54	51	56	53	51	54	52	50	53	51	49	46	44	43	43	43		
	4	59	54	49	46	58	53	49	46	51	48	45	50	47	45	49	46	44	43	41	39	37	36	36		
	5	56	49	45	42	54	49	44	41	47	44	41	46	43	41	45	42	40	39	37	35	34	34	34		
	6	52	45	41	38	51	45	41	37	44	40	37	43	39	37	42	39	37	36	34	32	31	31	31		
	7	49	42	37	34	48	41	37	34	40	37	34	40	36	34	39	36	33	32	30	28	27	27	27		
	8	46	39	34	31	45	38	34	31	38	34	31	37	33	31	36	33	31	30	28	26	25	25	25		
	9	43	36	31	28	42	36	31	28	35	31	28	34	31	28	34	30	28	27	25	23	22	22	22		
10	41	33	29	26	40	33	29	26	33	29	26	32	28	26	31	28	26	25	23	21	20	20	20			

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

Beam Angle: 101°		
4'	72.5	9.6'
6'	32.1	14.4'
8'	18.1	19.3'
10'	11.6	24.1'
12'	8.0	28.9'
Distance to Plane	Initial Nadir Footcandles	Beam Spread

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

HH8PL-2X32-E-8501CL / HHR8PL-2X32-E-8501CL / HHJ8PL-2X32-E-8501CL / CH8PL-2X32-E-8501CL

TEST NO.: LLI 0509-15Y

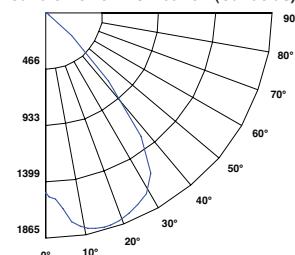
LAMP: GE F32TBX/841/A/ECO

LUMENS: 2200

TOTAL LUMINAIRE EFFICIENCY: 64.2%

SPACING CRITERIA: 1.26

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-30°	1387.31	31.5	49.1
0-40°	2138.86	48.6	75.8
0-60°	2783.43	63.3	98.6
0-90°	2822.87	64.2	100
90-120°	0	0	0
90-130°	0	0	0
90-150°	0	0	0
90-180°	0	0	0
0-180°	2822.87	64.2	100

Total Luminaire Efficiency = 64.2%

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

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

Beam Angle: 101°		
4'	93	9.6'
6'	41.3	14.4'
8'	23.2	19.3'
10'	14.9	24.1'
12'	10.3	28.9'
Distance to Plane	Initial Nadir Footcandles	Beam Spread

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

HH8PL-2X42-E-8501CL / HHR8PL-2X42-E-8501CL / HHJ8PL-2X42-E-8501CL / CH8PL-2X42-E-8501CL

TEST NO.: LLI 0509-15Y-P

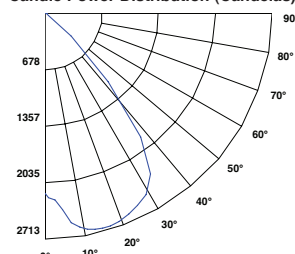
LAMP: GE F42TBX/841/A/ECO

LUMENS: 3200

TOTAL LUMINAIRE EFFICIENCY: 64.2%

SPACING CRITERIA: 1.26

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-30°	2017.87	31.5	49.1
0-40°	3111.03	48.6	75.8
0-60°	4048.63	63.3	98.6
0-90°	4105.74	64.2	100
90-120°	0	0	0
90-130°	0	0	0
90-150°	0	0	0
90-180°	0	0	0
0-180°	4105.74	64.2	100

Total Luminaire Efficiency = 64.2%

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%	
ROOM CAVITY RATIO	R	0	76	76	76	76	75	75	75	75	71	71	71	68	68	68	65	65	65	64	64	64	
	1	72	70	68	67	71	69	67	65	66	65	63	64	63	62	61	61	60	59	57	55	54	
	2	68	64	61	58	66	63	60	58	61	58	56	59	57	55	57	55	54	53	51	49	48	
	3	63	59	55	52	62	58	54	51	56	53	51	54	52	50	53	51	49	48	46	44	43	
	4	59	54	49	46	58	53	49	46	51	48	45	50	47	45	49	46	44	43	41	39	37	
	5	56	49	45	42	54	49	44	41	47	44	41	46	43	41	45	42	40	39	37	35	34	
	6	52	45	41	38	51	45	41	37	44	40	37	43	39	37	42	39	37	36	34	32	31	
	7	49	42	37	34	48	41	37	34	40	37	34	40	36	34	39	36	33	32	30	28	27	
	8	46	39	34	31	45	38	34	31	38	34	31	37	33	31	36	33	31	30	28	26	25	
	9	43	36	31	28	42	36	31	28	35	31	28	34	31	28	34	30	28	27	25	23	22	
	10	41	33	29	26	40	33	29	26	33	29	26	32	28	26	31	28	26	25	23	21	20	

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

Beam Angle: 101°		
4'	135.2	9.6'
6'	60.1	14.4'
8'	33.8	19.3'
10'	21.6	24.1'
12'	15.0	28.9'
Distance to Plane	Initial Nadir Footcandles	Beam Spread

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

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.

REV: MAXILUME-SPEC-03-23-2011