

Complete Fixture consists of Decorative Element, Reflector Trim, Installation Ring, and Gear Harness Each sold separately.

4 Piece Ordering System, Example: D4A04CE + 8011CL + C4XRM + BKFEU18

Compact Fluorescent

Decorative Element	Reflector Trim	Installation Ring	Gear Harness	Lamp Data	Dimensions		
					A	B	C
D4A04CE	8011CL	C4XRM Matte White	BKFEU18	18W Triple Tube	105mm	159mm	51mm
D6A04CE	8021CL	C6XRM Matte White	BKFEU26-32	26 or 32W Triple Tube	140mm	197mm	54mm
D7A04CE	8022CL	C7XRM Matte White	BKFEU26-42	26, 32 or 42W Triple Tube	181mm	235mm	54mm

Metal Halide

Decorative Element	Reflector Trim	Installation Ring	Gear Harness	Lamp Data	Dimensions		
					A	B	C
D4A04CE	C4T4VWCL	C4XRM Matte White	BKT4U39	CDM-TC G8.5 39W	105mm	159mm	51mm
D6A04CE	C6T6VWCL	C6XRM Matte White	BKT6U39	CDM-T G12 39W	140mm	197mm	54mm

Low Voltage

Decorative Element	Reflector Trim	Installation Ring	Gear Harness	Lamp Data	Dimensions		
					A	B	C
D4A04CE	C4MRDVCLEXP	C4XRM Matte White	TKEU75	MR16 12v GU5.3 50W Max	105mm	159mm	51mm

Features

- Decorative Element:** Cylindrical hand blown triplex glass carefully proportioned to each aperture size. Glass is gently and evenly illuminated for clean brightness recognition.
- Die Cast Finish Ring:** Aluminum die cast finish ring with crisp 90 degree edges conceals all fasteners for a clean finished appearance.
- Reflector:** Use Specular Clear (CL) finish for best performance and aesthetics. ORDER SEPARATELY. See separate specification sheet for details.
- Installation Ring:** Cast aluminum ring is painted and has two 17ga. stainless steel springs that engage in upright position during installation. One touch snap action secures ring in ceiling cutout. ORDER SEPARATELY. See separate specification sheet for details.
- Gear Harness:** Electronic 240V, 50/60V Hz transformer (not shown) with lamp socket, socket cup, and wiring harness. ORDER SEPARATELY. See separate specification sheet for details.

Certifications and Ratings



Job Information

Type:

Job Name:

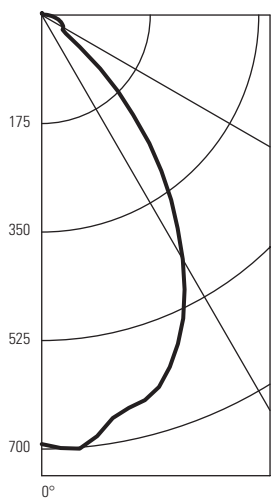
Cat. No.:

Lamp(s):

Notes:

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8021CL-D6A04



Calculate 6" Series Vetro Downlight Element,
Cat.# 8021CL/D6A04 32W G.E. Biax T/E Triple Tube.
Lumen Rating = 2200 Lms. Universal Ballast #C2642UNVBES

Candlepower Summary

Angle	Mean CP	LMS.	Angle	Mean CP	LMS.
0	692		90	10	
5	702	66	95	6	7
10	660		100	2	
15	643	181	105	2	2
20	604		110	2	
25	540	247	115	2	2
30	455		120	2	
35	364	228	125	2	2
40	270		130	2	
45	174	135	135	2	2
50	80		140	2	
55	41	45	145	2	1
60	40		150	2	
65	37	37	155	2	1
70	33		160	3	
75	28	29	165	3	1
80	21		170	2	
85	15	17	175	3	0
90	10		180	3	

Coefficients of Utilization

Ceiling	80%				70%				50%				30%				10%			
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
Wall	Zonal Cavity Method - Effective Floor Reflectance = 20%																			
RCR	Zonal Cavity Method - Effective Floor Reflectance = 20%																			
0	.54	.54	.54	.54	.53	.53	.53	.53	.50	.50	.50	.50	.48	.48	.48	.48	.46	.46	.46	.46
1	.51	.49	.48	.47	.50	.48	.47	.46	.46	.45	.44	.44	.44	.44	.43	.43	.43	.42	.42	.41
2	.48	.45	.43	.41	.47	.45	.43	.41	.43	.41	.40	.41	.41	.40	.39	.40	.40	.39	.38	.37
3	.45	.42	.39	.37	.44	.41	.39	.37	.40	.38	.36	.39	.37	.36	.36	.36	.38	.36	.35	.34
4	.43	.39	.36	.34	.42	.38	.36	.34	.37	.35	.33	.36	.34	.33	.33	.33	.35	.34	.32	.32
5	.40	.36	.33	.31	.39	.36	.33	.31	.35	.32	.30	.34	.32	.30	.30	.30	.33	.31	.30	.29
6	.38	.34	.31	.28	.37	.33	.30	.28	.32	.30	.28	.32	.29	.28	.28	.28	.31	.29	.27	.27
7	.36	.31	.28	.26	.35	.31	.28	.26	.30	.27	.26	.29	.27	.25	.25	.25	.29	.27	.25	.25
8	.34	.29	.26	.24	.33	.29	.26	.24	.28	.25	.24	.27	.25	.23	.23	.23	.27	.25	.23	.23
9	.32	.27	.24	.22	.31	.27	.24	.22	.26	.23	.22	.26	.23	.21	.21	.21	.25	.23	.21	.21
10	.30	.25	.22	.20	.29	.25	.22	.20	.24	.22	.20	.24	.21	.20	.20	.20	.23	.21	.20	.19

Determined In Accordance With Current IES Published Procedures

Luminaire Input Watts = 33.0

Zonal Lumens and Percentages

Zone	Lumens	% Lamp	%Luminaire
0-30	493	22.44	49.29
0-40	721	32.81	72.07
0-60	902	41.01	90.07
0-90	984	44.75	98.27
40-90	262	11.93	26.21
60-90	82	3.74	8.20
90-180	17	.79	1.73
0-180	1001	45.53	100.00

Luminaire Summary - CD. / SQ.

M.Angle	Mean CD/SQ M
45	13512
55	3954
65	4853
75	5847
85	9659

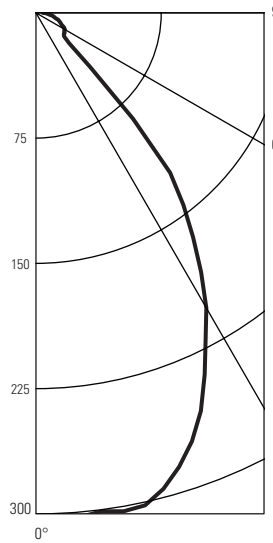
Certified test report no. 3494FR

Computed by LSI program **TEST-LITE**
SC = 1.0

Prepared For:
Lightolier
Fall River, MA

Tested According to IES Procedures. Test Distance Exceeds Five Times the Greatest Luminous Opening of Luminaire.

8011CL-D4A04



Calculate 4" Dia. Recessed Vetro Downlight,
Cat.# 8011CL/D4A04 18W G.E. Biax T/E Triple Tube.
Lumen Rating = 1200 LMS. Universal Ballast #C218UNVBES

Candlepower Summary

Angle	Mean CP	Lumens
0	305	
5	303	29
10	303	
15	295	83
20	273	
25	239	111
30	204	
35	164	103
40	125	
45	46	46
50	22	
55	21	19
60	20	
65	17	17
70	15	
75	12	13
80	10	
85	7	8
90	4	

Coefficients of Utilization

Ceiling	80%				70%				50%				30%				10%			
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
Wall	Zonal Cavity Method - Effective Floor Reflectance = 20%																			
RCR	Zonal Cavity Method - Effective Floor Reflectance = 20%																			
0	.43	.43	.43	.43	.42	.42	.42	.42	.40	.40	.40	.40	.38	.38	.38	.38	.36	.36	.36	.36
1	.40	.39	.38	.37	.39	.38	.37	.36	.37	.36	.35	.35	.35	.35	.34	.34	.34	.34	.33	.33
2	.38	.36	.34	.33	.37	.35	.34	.33	.34	.33	.32	.33	.32	.31	.31	.31	.32	.31	.31	.30
3	.36	.33	.31	.30	.35	.33	.31	.29	.32	.30	.29	.31	.30	.28	.28	.28	.30	.29	.28	.27
4	.34	.31	.29	.27	.33	.31	.29	.27	.30	.28	.27	.29	.27	.26	.26	.26	.28	.27	.26	.25
5	.32	.29	.26	.25	.31	.28	.26	.25	.28	.26	.24	.27	.25	.24	.24	.24	.27	.25	.24	.23
6	.30	.27	.24	.23	.30	.27	.24	.23	.26	.24	.23	.25	.24	.22	.22	.22	.25	.23	.22	.22
7	.28	.25	.23	.21	.28	.25	.23	.21	.24	.22	.21	.24	.22	.21	.21	.21	.23	.22	.21	.20
8	.27	.23	.21	.19	.27	.23	.21	.19	.23	.21	.19	.22	.20	.19	.19	.19	.22	.20	.19	.18
9	.25	.22	.19	.18	.25	.21	.19	.18	.21	.19	.18	.21	.19	.18	.18	.18	.20	.19	.18	.17
10	.24	.20	.18	.16	.24	.20	.18	.16	.20	.18	.16	.20	.18	.16	.16	.16	.19	.17	.16	.16

Determined in Accordance with Current IES Published Procedures

Luminaire Input Watts = 52.0

Zonal Lumens and Percentages

Zone	Lumens	% Lamp	%Luminaire
0-30	222	18.51	51.82
0-40	325	27.10	75.89
0-60	390	32.54	91.12
0-90	428	35.71	100.00
40-90	103	8.61	24.11
60-90	38	3.17	8.88
90-180	0	.00	.00
0-180	428	35.71	100.00

Certified test report no. 3560FR

Computed by LSI program **TEST-LITE**
SC = 1.0

Prepared For:
Lightolier
Fall River, MA

Tested According to IES Procedures. Test Distance Exceeds Five Times the Greatest Luminous Opening of Luminaire.

Job Information Type:

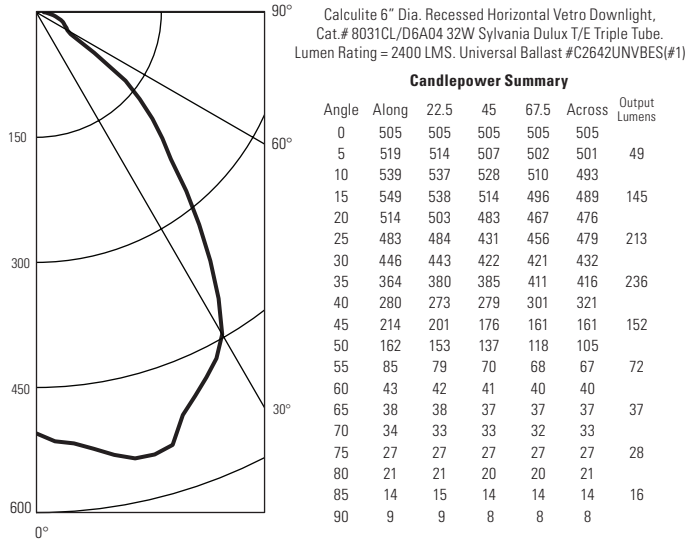
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LIGHTOLIER® Architectural Decorative Vetro Downlight DA04CE

Page 3 of 4

Compact Fluorescent / Metal Halide/ Low Voltage

8031CL-D6A04



Ceiling	80%				70%				50%				30%				10%			
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
Wall	Zonal Cavity Method - Effective Floor Reflectance = 20%																			
RCR	Zonal Cavity Method - Effective Floor Reflectance = 20%																			
0	.47	.47	.47	.47	.46	.46	.46	.46	.44	.44	.44	.44	.42	.42	.42	.42	.40	.40	.40	.40
1	.44	.43	.42	.40	.43	.42	.41	.40	.40	.39	.39	.39	.39	.38	.37	.37	.37	.37	.36	.36
2	.41	.39	.37	.36	.41	.38	.37	.35	.37	.36	.34	.34	.36	.35	.34	.34	.35	.34	.33	.32
3	.39	.36	.33	.32	.38	.35	.33	.31	.34	.32	.31	.31	.33	.32	.30	.30	.32	.31	.30	.29
4	.37	.33	.30	.28	.36	.33	.30	.28	.32	.30	.28	.28	.31	.29	.28	.28	.30	.29	.27	.27
5	.34	.30	.28	.26	.34	.30	.27	.26	.29	.27	.25	.25	.29	.27	.25	.25	.28	.26	.25	.24
6	.32	.28	.25	.23	.31	.28	.25	.23	.27	.25	.23	.23	.26	.24	.23	.23	.26	.24	.23	.22
7	.30	.26	.23	.21	.29	.25	.23	.21	.25	.22	.21	.21	.24	.22	.21	.21	.24	.22	.20	.20
8	.28	.24	.21	.19	.28	.23	.21	.19	.23	.20	.19	.19	.22	.20	.19	.19	.22	.20	.19	.18
9	.26	.22	.19	.17	.26	.22	.19	.17	.21	.19	.17	.17	.21	.18	.17	.17	.20	.18	.17	.16
10	.25	.20	.17	.15	.24	.20	.17	.15	.19	.17	.15	.15	.19	.17	.15	.15	.19	.17	.15	.15

Determined in Accordance with Current IES Published Procedures
Luminaire Input Watts = 36.0

Zone	Lumens	% Lamp	% Luminaire
0-30	407	16.96	42.89
0-40	642	26.79	67.76
0-60	867	36.16	91.45
0-90	948	39.54	100.00
40-90	305	12.75	32.24
60-90	81	3.38	8.55
90-180	0	.00	.00
0-180	948	39.54	100.00

Certified test report no. 3536FR

Computed by LSI program **TEST-LITE**
SC = 1.3

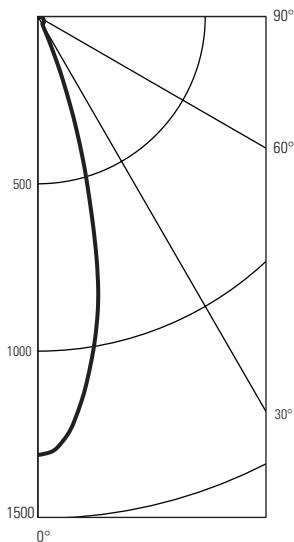
Prepared For:
Lightolier
Fall River, MA

Tested According to IES Procedures. Test Distance Exceeds Five Times the Greatest Luminous Opening of Luminaire.

Job Information **Type:**

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C3MRDCLW-D3MR04



Calculate 3" Dia. Recessed Vetro Downlight,
Cat.# C3MRDCLW/D3MR04 50W G.E. MR16 NFL (25 Deg.) Lamp.
Lumen Rating = 800 LMS. Lighttech XFMR LET-75

Candlepower Summary

Angle	Mean CP	Lumens
0	1310	
5	1220	113
10	981	
15	628	178
20	282	
25	70	52
30	28	
35	25	16
40	25	
45	25	19
50	24	
55	23	20
60	20	
65	18	18
70	16	
75	14	15
80	12	
85	10	11
90	8	

Coefficients of Utilization

Ceiling	80%			70%			50%			30%			10%					
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	0			
Wall	Zonal Cavity Method - Effective Floor Reflectance = 20%																	
RCR	Zonal Cavity Method - Effective Floor Reflectance = 20%																	
0	.66	.66	.66	.66	.64	.64	.64	.64	.61	.61	.61	.59	.59	.59	.56	.56	.56	.55
1	.63	.61	.60	.59	.61	.60	.59	.58	.58	.57	.56	.56	.55	.54	.54	.53	.53	.52
2	.60	.57	.55	.53	.59	.56	.54	.53	.55	.53	.52	.53	.52	.51	.52	.51	.50	.49
3	.58	.54	.52	.50	.57	.54	.51	.50	.52	.50	.49	.51	.49	.48	.50	.49	.47	.47
4	.56	.52	.49	.47	.55	.51	.49	.47	.50	.48	.47	.49	.47	.46	.48	.47	.46	.45
5	.54	.50	.47	.45	.53	.49	.47	.45	.48	.46	.45	.47	.46	.44	.47	.45	.44	.43
6	.52	.48	.45	.44	.51	.48	.45	.43	.47	.45	.43	.46	.44	.43	.46	.44	.42	.42
7	.50	.46	.44	.42	.50	.46	.44	.42	.45	.43	.42	.45	.43	.41	.44	.42	.41	.40
8	.49	.45	.42	.41	.48	.44	.42	.40	.44	.42	.40	.44	.42	.40	.43	.41	.40	.39
9	.48	.44	.41	.39	.47	.43	.41	.39	.43	.41	.39	.43	.40	.39	.42	.40	.39	.38
10	.47	.42	.40	.38	.46	.42	.40	.38	.42	.40	.38	.42	.40	.38	.41	.39	.38	.37

Determined in Accordance with Current IES Published Procedures
Luminaire Input Watts = 52.0

Zonal Lumens and Percentages

Zone	Lumens	% Lamp	%Luminaire
0-30	343	42.92	77.65
0-40	359	44.93	81.29
0-60	398	49.83	90.16
0-90	442	55.27	100.00
40-90	82	10.34	18.71
60-90	43	5.44	9.84
90-180	0	.00	.00
0-180	442	55.27	100.00

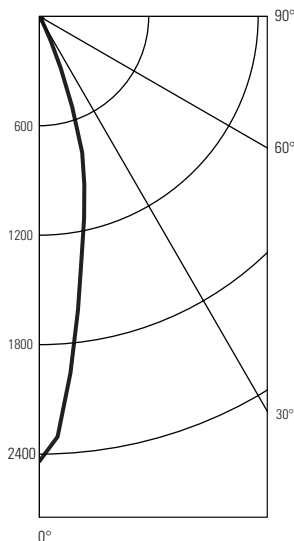
Certified test report no. 3571FR
Computed by LSI program
TEST-LITE
SC.5

Prepared For:
Lightolier
Fall River, MA

** EFFICIENCY = 55.3% **

Tested According to IES Procedures. Test Distance Exceeds Five Times the Greatest Luminous Opening of Luminaire.

D4MR04



Calculate 4" Series Recessed Vetro Downlight,
Cat.# D4MR04 50W G.E. MR16 NFL (25 Deg.) Lamp.
Lumen Rating = 800 LMS. Lighttech XFMR LET-75

Candlepower Summary

Angle	Mean CP	Lumens
0	2440	
5	1963	184
10	1339	
15	955	268
20	527	
25	153	100
30	29	
35	25	16
40	25	
45	25	19
50	24	
55	23	20
60	21	
65	18	18
70	16	
75	14	15
80	12	
85	9	10
90	7	

Coefficients of Utilization

Ceiling	80%			70%			50%			30%			10%					
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	0			
Wall	Zonal Cavity Method - Effective Floor Reflectance = 20%																	
RCR	Zonal Cavity Method - Effective Floor Reflectance = 20%																	
0	.97	.97	.97	.97	.95	.95	.95	.95	.90	.90	.90	.86	.86	.86	.83	.83	.83	.81
1	.93	.91	.89	.87	.91	.89	.88	.86	.86	.85	.83	.83	.82	.81	.80	.79	.79	.77
2	.89	.86	.83	.81	.88	.85	.82	.80	.82	.80	.78	.80	.78	.77	.78	.76	.75	.74
3	.86	.82	.79	.76	.85	.81	.78	.76	.79	.77	.75	.77	.75	.74	.76	.74	.73	.71
4	.84	.79	.76	.73	.83	.78	.75	.73	.77	.74	.72	.75	.73	.71	.74	.72	.70	.69
5	.81	.76	.73	.70	.80	.75	.72	.70	.74	.71	.69	.73	.70	.69	.72	.70	.68	.67
6	.79	.74	.70	.68	.78	.73	.70	.68	.72	.69	.67	.71	.69	.67	.70	.68	.66	.66
7	.77	.72	.68	.66	.76	.71	.68	.65	.70	.67	.65	.69	.67	.65	.69	.66	.65	.64
8	.75	.70	.66	.64	.74	.69	.66	.64	.68	.66	.64	.68	.65	.63	.67	.65	.63	.62
9	.73	.68	.65	.62	.73	.67	.65	.62	.67	.64	.62	.66	.64	.62	.66	.63	.62	.61
10	.72	.66	.63	.61	.71	.66	.63	.61	.65	.63	.61	.65	.62	.60	.64	.62	.60	.60

Determined in Accordance with Current IES Published Procedures
Luminaire Input Watts = 52.0

Zonal Lumens and Percentages

Zone	Lumens	% Lamp	%Luminaire
0-30	551	68.93	84.80
0-40	567	70.98	87.32
0-60	607	75.89	93.37
0-90	650	81.28	100.00
40-90	82	10.30	12.68
60-90	43	5.39	6.63
90-180	0	.00	.00
0-180	650	81.28	100.00

Certified test report no. 3607FR
Computed by LSI program
TEST-LITE
SC.4

Prepared For:
Lightolier
Fall River, MA

** EFFICIENCY = 81.3% **

Tested According to IES Procedures. Test Distance Exceeds Five Times the Greatest Luminous Opening of Luminaire.

Job Information Type:

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