

Complete Fixture consists of Decorative Element, Trim-Kit + Frame-In Kit. Each sold separately.

3 Piece Ordering System, Example: D4A02 + 8011CL + 4118VU

Decorative Element Catalog No.	Trim- Kit	Frame-In Kit	Lamping	Dimensions		
				A	B	C
D4A02	8011CL	4118VU Family D4132VU Family	(1) 18W Triple Tube (1) 26W or 32W Triple Tube	3 1/2"	6"	1 3/4"
D6A02	8021CL; 8031CL; 8091DCL 8052CL 8051CL	S6132BU Family 6213HU Family 6218HU Family	(1) 26W or 32W Triple Tube (2) 13W Quad (2) 18W Quad	4"	7 1/2"	1 7/8"
D7A02	8022CL; 8037CL; 8097DCL 8056CL; 8096DCL 8056CL; 8096DCL 8056CL	S7142BU Family 7218HU Family S7226HU Family 7126HU Family	(1) 26W, 32W or 42W Triple Tube (2) 18W Quad Tube (2) 26W Quad Tube (1) 26W Quad Tube	4 7/8"	9"	2"

Features

- Decorative Element:** Solid high temp, UV resistant composite with open aperture; frosted interior diameter, polished exterior and machined facet along bottom edge.
- Die Cast Construction Ring:** Exterior edge of construction ring is visible, satin aluminum finish matches diameter of decorative element for a flangeless appearance.
- Fastener cover:** Stamped aluminum cover ring provided on top of decorative element to cover fasteners and prevent visibility through clear decorative element.
- Mounting Frame Fasteners:** Four #8-32 screws and 4 knurled die-cast thumb screws secure construction ring to frame in kit.
- Reflector:** FLANGELESS TRIM REQUIRED. Specified separately. Use Specular Clear (CL) finish for best performance and aesthetics
- Frame-In Kit:** Specified separately. See Trim Specification Sheet for additional details.

Mechanical

Die cast construction ring securely fastened to four #8-32 screws and 4 knurled die-cast thumb screws. Decorative Element quarter turn twist and lock into die cast construction ring.

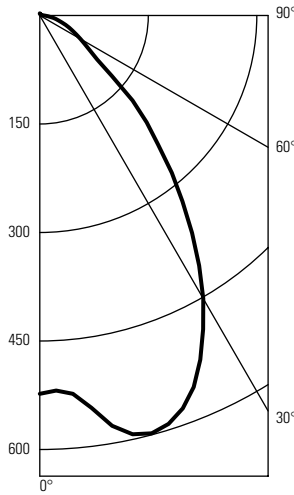
Labels

cULus (Damp Location)

Job Information	Type:
Job Name:	
Cat. No.:	
Lamp(s):	
Notes:	

631 Airport Road, Fall River, MA 02720 • (508) 679-8131 • Fax (508) 674-4710
 We reserve the right to change details of design, materials and finish.
 www.lightolier.com © 2008 Philips Group • D1209

8021CL-D6A02



Calculate 6" Recessed Vetro Downlight, Cat.# 8021CL/D6A02
32W G.E. Biax T/E Triple Tube (Lower Position).
Lumen Rating = 2200 LMS. Universal Ballast #C2642UNVBES

Candlepower Summary

Angle	Mean CP	LMS.	Angle	Mean CP	LMS.
0	523		90	6	
5	525	51	95	4	4
10	576		100	2	
15	598	167	105	2	2
20	578		110	2	
25	525	241	115	2	2
30	452		120	2	
35	367	231	125	2	2
40	284		130	2	
45	209	161	135	2	2
50	130		140	2	
55	85	82	145	2	1
60	65		150	2	
65	50	50	155	2	1
70	38		160	2	
75	27	29	165	2	1
80	19		170	2	
85	11	13	175	2	0
90	6		180	3	

Luminance Summary - CD. / SQ. M.

Angle	Mean CD/SQ M
45	16270
55	8129
65	6536
75	5836
85	6821

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

Coefficients of Utilization

Ceiling	80%			70%			50%			30%			10%					
	70	50	30	70	50	30	70	50	30	70	50	30	70	50	30	10	0	
Wall	Zonal Cavity Method - Effective Floor Reflectance = 20%																	
RCR	Zonal Cavity Method - Effective Floor Reflectance = 20%																	
0	.56	.56	.56	.56	.55	.55	.55	.55	.52	.52	.52	.50	.50	.50	.48	.48	.48	.47
1	.53	.51	.50	.48	.52	.50	.49	.47	.48	.47	.46	.46	.45	.44	.44	.44	.43	.42
2	.49	.47	.45	.42	.48	.46	.44	.42	.44	.42	.41	.43	.41	.40	.41	.40	.39	.38
3	.46	.43	.40	.38	.45	.42	.39	.37	.41	.38	.37	.39	.38	.36	.38	.37	.35	.34
4	.44	.39	.36	.34	.43	.39	.36	.34	.38	.35	.33	.37	.34	.33	.36	.34	.32	.31
5	.41	.36	.33	.31	.40	.36	.33	.30	.35	.32	.30	.34	.31	.30	.33	.31	.29	.29
6	.38	.33	.30	.28	.38	.33	.30	.28	.32	.29	.27	.31	.29	.27	.31	.28	.27	.26
7	.36	.31	.27	.25	.35	.30	.27	.25	.30	.27	.25	.29	.26	.24	.28	.26	.24	.24
8	.34	.28	.25	.23	.33	.28	.25	.23	.27	.25	.23	.27	.24	.22	.26	.24	.22	.21
9	.31	.26	.23	.21	.31	.26	.23	.21	.25	.22	.20	.25	.22	.20	.24	.22	.20	.19
10	.29	.24	.21	.19	.29	.24	.21	.19	.23	.21	.19	.23	.20	.18	.23	.20	.18	.18

Determined in Accordance With Current IES Published Procedures
Luminaire Input Watts = 33.0

Zonal Lumens and Percentages

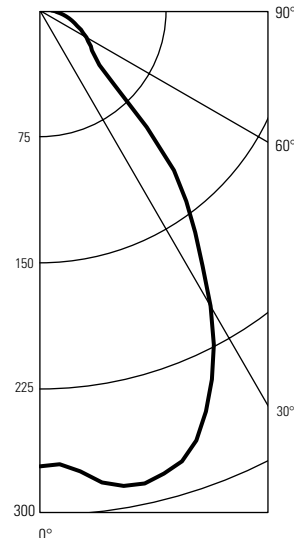
Zone	Lumens	% Lamp	%Luminaire
0-30	458	20.84	44.11
0-40	689	31.34	66.32
0-60	932	42.39	89.69
0-90	1024	46.59	98.57
40-90	335	15.24	32.25
60-90	92	4.20	8.89
90-180	14	.67	1.43
0-180	1039	47.26	100.00

Certified test report no. 3495FR
Computed by LSI program **TEST-LITE**
SC = 1.2

Prepared For:
Lightolier
Fall River, MA

** Efficiency = 47.3% **

8011CL-D4A02



Calculate 4" Dia. Vetro Downlight, Cat.#8011CL/D4A02
18W G.E. Biax T/E Triple Tube. Lumen Rating = 1200 LMS.
Universal Ballast #C218UNVBES

Candlepower Summary

Angle	Mean CP	Lumens
0	271	
5	275	26
10	287	
15	285	80
20	272	
25	242	111
30	203	
35	161	102
40	124	
45	63	57
50	43	
55	37	33
60	32	
65	27	27
70	22	
75	18	19
80	14	
85	10	11
90	7	

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

Coefficients of Utilization

Ceiling	80%			70%			50%			30%			10%					
	70	50	30	70	50	30	70	50	30	70	50	30	70	50	30	10	0	
Wall	Zonal Cavity Method - Effective Floor Reflectance = 20%																	
RCR	Zonal Cavity Method - Effective Floor Reflectance = 20%																	
0	.46	.46	.46	.46	.45	.45	.45	.45	.43	.43	.43	.41	.41	.41	.40	.40	.40	.39
1	.43	.42	.41	.40	.42	.41	.40	.39	.39	.39	.38	.38	.37	.37	.37	.36	.36	.35
2	.41	.38	.36	.35	.40	.38	.36	.34	.36	.35	.33	.35	.34	.33	.34	.33	.32	.31
3	.38	.35	.33	.31	.37	.34	.32	.31	.33	.32	.30	.32	.31	.30	.32	.30	.29	.28
4	.36	.32	.30	.28	.35	.32	.30	.28	.31	.29	.27	.30	.28	.27	.29	.28	.27	.26
5	.34	.30	.27	.25	.33	.29	.27	.25	.29	.27	.25	.28	.26	.25	.27	.26	.24	.24
6	.32	.28	.25	.23	.31	.27	.25	.23	.27	.24	.23	.26	.24	.23	.26	.24	.22	.22
7	.30	.26	.23	.21	.29	.25	.23	.21	.25	.22	.21	.24	.22	.21	.24	.22	.20	.20
8	.28	.24	.21	.19	.28	.23	.21	.19	.23	.21	.19	.23	.21	.19	.22	.20	.19	.18
9	.26	.22	.19	.18	.26	.22	.19	.18	.21	.19	.17	.21	.19	.17	.21	.19	.17	.17
10	.25	.21	.18	.16	.24	.20	.18	.16	.20	.18	.16	.20	.17	.16	.19	.17	.16	.15

Determined in Accordance with Current IES Published Procedures
Luminaire Input Watts = 23.0

Zonal Lumens and Percentages

Zone	Lumens	% Lamp	%Luminaire
0-30	217	18.12	46.65
0-40	319	26.60	68.52
0-60	408	34.08	87.76
0-90	465	38.83	100.00
40-90	146	12.22	31.48
60-90	57	4.75	12.24
90-180	0	.00	.00
0-180	465	38.83	100.00

Certified test report no. 3558FR
Computed by LSI program **TEST-LITE**
SC = 1.1

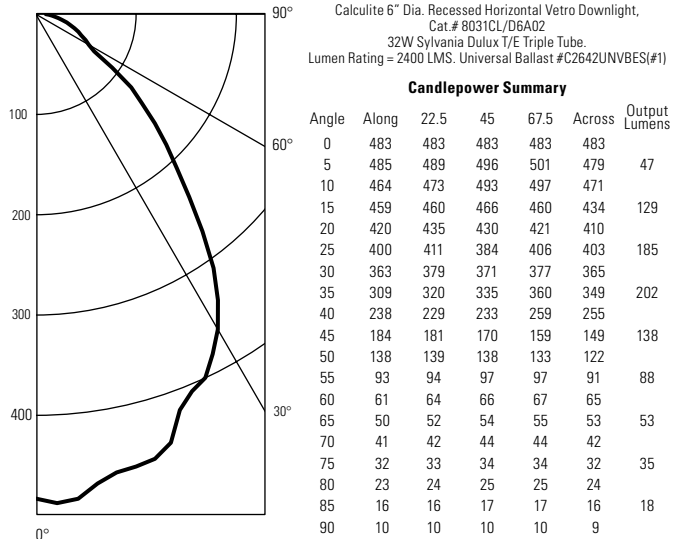
Prepared For:
Lightolier
Fall River, MA

** Efficiency = 38.8% **

Job Information Type:

631 Airport Road, Fall River, MA 02720 • (508) 679-8131 • Fax (508) 674-4710
We reserve the right to change details of design, materials and finish.
www.lightolier.com © 2008 Philips Group • D1209

8031CL-D6A02



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

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	0
Wall	Zonal Cavity Method - Effective Floor Reflectance = 20%																				
RCR	Zonal Cavity Method - Effective Floor Reflectance = 20%																				
0	.44	.44	.44	.44	.43	.43	.43	.43	.41	.41	.41	.40	.40	.40	.38	.38	.38	.37	.37	.37	.37
1	.42	.40	.39	.38	.41	.39	.38	.37	.38	.37	.36	.36	.36	.35	.35	.34	.34	.33	.32	.31	.30
2	.39	.36	.35	.33	.38	.36	.34	.32	.34	.33	.32	.33	.32	.31	.32	.31	.30	.29	.28	.27	.26
3	.36	.33	.31	.29	.35	.33	.30	.29	.32	.30	.28	.31	.29	.28	.30	.28	.27	.27	.26	.25	.24
4	.34	.30	.28	.26	.33	.30	.28	.26	.29	.27	.25	.28	.26	.25	.27	.26	.25	.24	.23	.22	.22
5	.32	.28	.25	.23	.31	.27	.25	.23	.27	.24	.23	.26	.24	.23	.25	.24	.22	.22	.21	.20	.20
6	.30	.26	.23	.21	.29	.25	.23	.21	.25	.22	.21	.24	.22	.20	.23	.22	.20	.20	.19	.18	.18
7	.28	.23	.21	.19	.27	.23	.20	.19	.22	.20	.18	.22	.20	.18	.22	.20	.18	.18	.17	.16	.16
8	.26	.21	.19	.17	.25	.21	.19	.17	.21	.18	.17	.20	.18	.17	.20	.18	.17	.16	.15	.14	.14
9	.24	.20	.17	.15	.24	.20	.17	.15	.19	.17	.15	.19	.17	.15	.18	.16	.15	.14	.13	.12	.12
10	.23	.18	.16	.14	.22	.18	.16	.14	.18	.15	.14	.17	.15	.14	.17	.15	.14	.13	.12	.11	.11

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

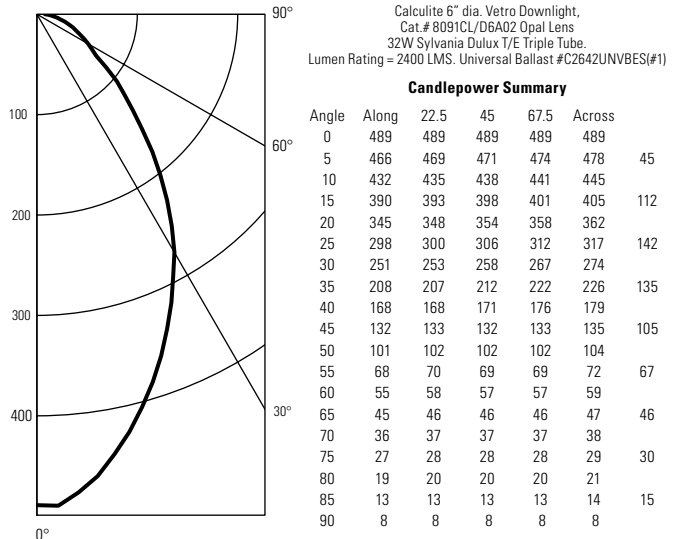
Zone	Lumens	% Lamp	%Luminaire
0-30	360	15.03	40.29
0-40	562	23.45	62.84
0-60	788	32.87	88.08
0-90	895	37.32	100.00
40-90	332	13.87	37.16
60-90	106	4.45	11.92
90-180	0	.00	.00
0-180	895	37.32	100.00

Certified test report no. 3534FR
Computed by LSI program **TEST-LITE**
SC = 1.1

Prepared For:
Lightolier
Fall River, MA

** Efficiency = 37.3% **

8091CL-D6A02



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

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	0
Wall	Zonal Cavity Method - Effective Floor Reflectance = 20%																				
RCR	Zonal Cavity Method - Effective Floor Reflectance = 20%																				
0	.35	.35	.35	.35	.34	.34	.34	.34	.32	.32	.32	.31	.31	.31	.30	.30	.30	.29	.29	.29	.29
1	.32	.31	.30	.29	.32	.31	.30	.29	.29	.29	.28	.28	.28	.27	.27	.27	.26	.26	.26	.25	.25
2	.30	.28	.27	.26	.30	.28	.26	.25	.27	.26	.25	.26	.25	.24	.25	.24	.24	.23	.23	.22	.22
3	.28	.26	.24	.22	.28	.25	.24	.22	.25	.23	.22	.24	.23	.22	.23	.22	.21	.21	.21	.20	.20
4	.26	.24	.22	.20	.26	.23	.22	.20	.23	.21	.20	.22	.21	.20	.21	.20	.19	.19	.19	.18	.18
5	.25	.22	.20	.18	.24	.21	.19	.18	.21	.19	.18	.20	.19	.18	.20	.19	.18	.17	.17	.16	.16
6	.23	.20	.18	.16	.23	.20	.18	.16	.19	.18	.16	.19	.17	.16	.18	.17	.16	.15	.15	.14	.14
7	.22	.18	.16	.15	.21	.18	.16	.15	.18	.16	.15	.17	.16	.15	.17	.16	.14	.14	.13	.13	.13
8	.20	.17	.15	.14	.20	.17	.15	.13	.16	.15	.13	.16	.15	.13	.16	.14	.13	.13	.12	.12	.12
9	.19	.16	.14	.12	.19	.16	.14	.12	.15	.13	.12	.15	.13	.12	.15	.13	.12	.12	.11	.11	.11
10	.18	.15	.13	.11	.18	.14	.13	.11	.14	.12	.11	.14	.12	.11	.14	.12	.11	.11	.10	.10	.10

Determined in Accordance with Current IES Published Procedures
Luminaire Input Watts = 38.0

Zone	Lumens	% Lamp	%Luminaire
0-30	298	12.45	42.90
0-40	434	18.09	62.32
0-60	605	25.23	86.93
0-90	696	29.03	100.00
40-90	262	10.94	37.68
60-90	91	3.79	13.07
90-180	0	.00	.00
0-180	696	29.03	100.00

Certified test report no. 3518FR
Computed by LSI program **TEST-LITE**
SC = .9

Prepared For:
Lightolier
Fall River, MA

** Efficiency = 29.0% **

Job Information	Type:
------------------------	--------------

631 Airport Road, Fall River, MA 02720 • (508) 679-8131 • Fax (508) 674-4710
We reserve the right to change details of design, materials and finish.
www.lightolier.com © 2008 Philips Group • D1209