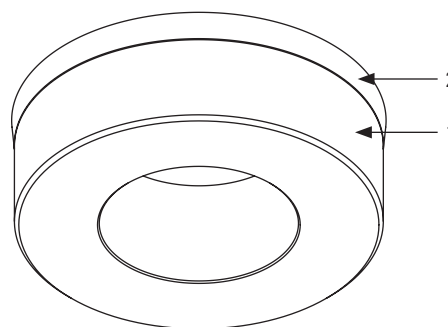
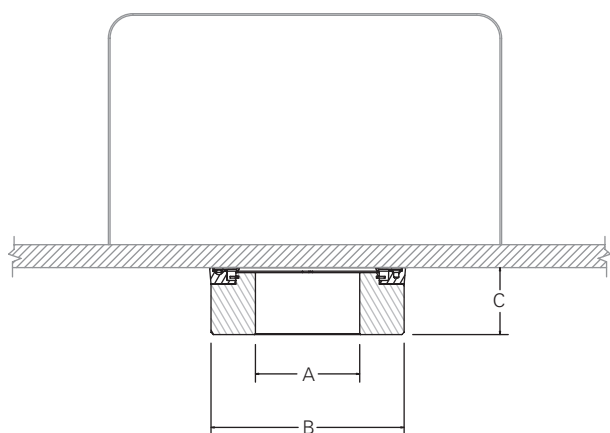


Architectural Decorative Vetro Downlight **DA02**



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

2 Piece Ordering System, Example: D3MR02 + C3LV

Decorative Element/Trim Kit Catalog No.	Frame-In Kit	Lamping	Dimensions		
			A	B	C
3" Evolution D3MR02	C3LV, C3AICLV, C3ALV, C3LVE1, C3LVE2, C3ALVE1, C3AICLVE1, C3ALVE2	50W MR16	2 1/4"	4 1/4"	1 1/2"
4" Evolution D4MR02	C4LV; C4ALV; C4AICLV	50W MR16	3"	5 5/8"	1 3/4"

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.
- Integral Reflector:** 16 ga. aluminum, 50° visual cutoff to lamp and lamp image. Decorative Element is mechanically attached to reflector via die cast ring. Reflector is specular clear for best performance and aesthetics.
- Cover Glass:** 3" Evolution contains high temperature soft focus lens. 4" Evolution contains high temperature perimeter frost.
- Trim Kit:** For 3" and 4" Evolution, trim kit, reflector and decorative element ship complete.
- Frame-In Kit:** Specified separately. See Frame-In Kit Specification Sheet for details.

Mechanical

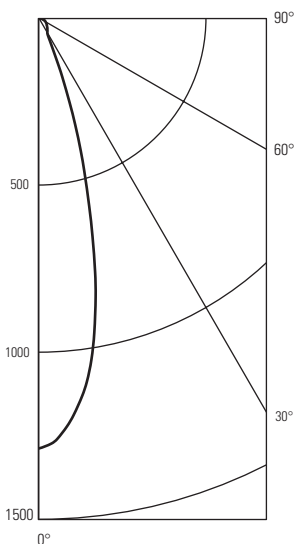
Decorative element is mechanically secured to the die cast construction ring and the integral reflector from the factory.

Labels

cULus (Damp Location)

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

C3MRDCLW /D3MR02



Calculate 4" dia. Vetro Downlight,
Cat.# C3MRDCLW/D3MR02
50W G.E. Biax T/E Triple Tube. Lumen Rating = 1200 LMS.
Universal Ballast #C218UNVBES

Candlepower Summary

Angle	Mean CP	Lumens
0	1288	
5	1193	110
0	956	
15	582	169
20	269	
25	88	57
30	51	
35	45	28
40	40	
45	35	27
50	31	
55	27	24
60	23	
65	20	20
70	17	
75	13	14
80	11	
85	7	8
90	6	

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	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	.68	.68	.68	.68	.67	.67	.67	.67	.64	.64	.64	.61	.61	.61	.59	.59	.59	.57	.57	.57
1	.65	.64	.62	.61	.64	.62	.61	.60	.60	.59	.58	.58	.57	.56	.56	.55	.55	.54	.54	.54
2	.62	.60	.57	.55	.61	.58	.56	.55	.57	.55	.54	.55	.54	.52	.53	.52	.51	.50	.50	.50
3	.59	.56	.54	.51	.58	.55	.53	.51	.54	.52	.50	.53	.51	.49	.51	.50	.49	.48	.47	.46
4	.57	.53	.51	.48	.56	.53	.50	.48	.52	.49	.48	.51	.49	.47	.49	.48	.47	.46	.45	.44
5	.55	.51	.48	.46	.54	.50	.48	.46	.49	.47	.45	.48	.46	.45	.48	.46	.44	.44	.44	.44
6	.53	.49	.46	.44	.52	.48	.46	.44	.48	.45	.43	.47	.45	.43	.46	.44	.43	.42	.42	.42
7	.51	.47	.44	.42	.51	.47	.44	.42	.46	.43	.42	.45	.43	.41	.45	.43	.41	.41	.41	.41
8	.50	.45	.42	.41	.49	.45	.42	.40	.44	.42	.40	.44	.42	.40	.43	.41	.40	.39	.39	.39
9	.48	.44	.41	.39	.48	.43	.41	.39	.43	.41	.39	.43	.40	.39	.42	.40	.39	.38	.38	.38
10	.47	.42	.40	.38	.46	.42	.40	.38	.42	.39	.38	.41	.39	.38	.41	.39	.38	.37	.37	.37

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

Zonal Lumens and Percentages

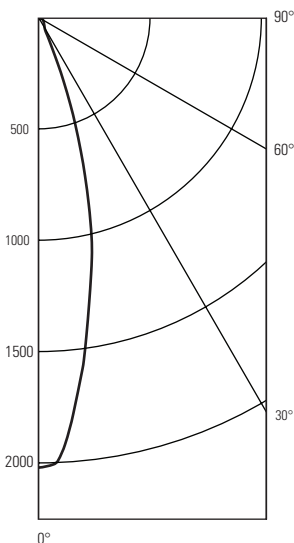
Zone	Lumens	% Lamp	%Luminaire
0-30	337	42.14	73.32
0-40	365	45.70	79.51
0-60	416	52.10	90.65
0-90	459	57.47	100.00
40-90	94	11.78	20.49
60-90	43	5.38	9.35
90-180	0	.00	.00
0-180	459	57.47	100.00

Certified test report no. 3565FR
Computed by LSI program **TEST-LITE**
SC = 5

Prepared For:
Lightolier
Fall River, MA

** Efficiency = 57.5% **

C4MR02



Calculate 4" Dia. Vetro Recessed Downlight,
Cat.# D4MR02
50W G.E. Mr16 NFL (25 deg.) Lamp.
Lumen Rating = 800 LMS. Lightech XFMR LET-75

Candlepower Summary

Angle	Mean CP	Lumens
0	2021	
5	1786	165
10	1305	
15	870	245
20	418	
25	109	80
30	54	
35	45	29
40	38	
45	33	26
50	29	
55	25	23
60	23	
65	19	19
70	16	
75	13	14
80	10	
85	7	8
90	6	

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	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	.91	.91	.91	.91	.88	.88	.88	.88	.85	.85	.85	.81	.81	.81	.78	.78	.78	.76	.76	.76
1	.87	.85	.83	.82	.85	.83	.82	.80	.80	.79	.78	.77	.76	.76	.75	.74	.73	.72	.72	.72
2	.83	.80	.78	.75	.82	.79	.76	.74	.76	.74	.73	.74	.73	.71	.72	.71	.70	.69	.68	.67
3	.80	.76	.73	.71	.79	.75	.72	.70	.73	.71	.69	.72	.70	.68	.70	.68	.67	.66	.66	.66
4	.78	.73	.70	.67	.77	.72	.69	.67	.71	.68	.66	.69	.67	.65	.68	.66	.65	.64	.64	.64
5	.75	.70	.67	.64	.74	.70	.66	.64	.68	.65	.63	.67	.65	.63	.66	.64	.62	.61	.61	.61
6	.73	.68	.64	.62	.72	.67	.64	.62	.66	.63	.61	.65	.63	.61	.64	.62	.60	.60	.60	.60
7	.71	.65	.62	.60	.70	.65	.62	.59	.64	.61	.59	.63	.61	.59	.63	.60	.59	.58	.58	.58
8	.69	.63	.60	.58	.68	.63	.60	.58	.62	.59	.57	.62	.59	.57	.61	.59	.57	.56	.56	.56
9	.67	.62	.59	.56	.66	.61	.58	.56	.61	.58	.56	.60	.58	.56	.60	.57	.56	.55	.55	.55
10	.65	.60	.57	.55	.65	.60	.57	.55	.59	.56	.54	.59	.56	.54	.58	.56	.54	.53	.53	.53

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

Zonal Lumens and Percentages

Zone	Lumens	% Lamp	%Luminaire
0-30	489	61.24	80.47
0-40	518	64.81	85.16
0-60	566	70.87	93.12
0-90	608	76.11	100.00
40-90	90	11.29	14.84
60-90	41	5.24	6.88
90-180	0	.00	.00
0-180	608	76.11	100.00

Certified test report no. 3601FR
Computed by LSI program **TEST-LITE**
SC = 4

Prepared For:
Lightolier
Fall River, MA

** Efficiency = 76.1% **

Job Information	Type:
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PHILIPS LIGHTOLIER®