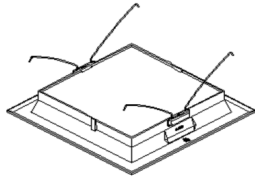


1050LSQDL

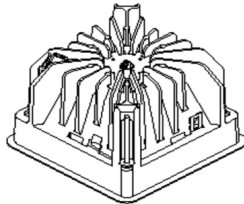
Lytecaster, 5" Sq., Lensed Downlight LED, Light/Engine/Trim

Page 1 of 3

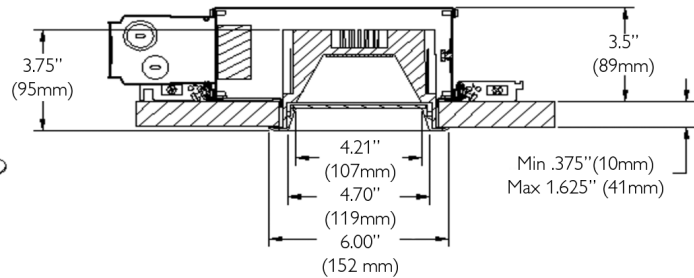
XCEED



Trim



Light Engine



Frame-in Kit

Complete fixture consists of Lensed Downlight Trim, LED Light Engine and Frame-in Kit. Select each separately.

Lensed Square Downlight Trims		LED Light engines	
Catalog no.	Description	Catalog no.	Description
1050LSQDLWB	Lensed Downlight - White Baffle, White Flange	1050LSQ0927	900 Lumens / 2700K
1050LSQDLCDW	Lensed Downlight - Clear Diffuse, White Flange	1050LSQ0935	1000 Lumens / 3500K
1050LSQDLCDP	Lensed Downlight - Clear Diffuse, Clear Diffuse Flange	1050LSQ0627	600 Lumens / 2700K
1050LSQDLWC	Lensed Downlight - White Cone, White Flange	1050LSQ0635	750 Lumens / 3500K
Xceed Frame-in-kits			
Catalog no.			
1050LSQ09D1**			
1050LSQ06D1**			

* See individual Frame-In Kit Specification Sheet

*All frames come standard with preset mounting screws. Simply add "N" to the end of the model number for preset nails

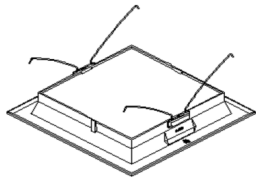
Job Information	Type:
Job Name:	
Cat. No.:	
Notes:	

PHILIPS
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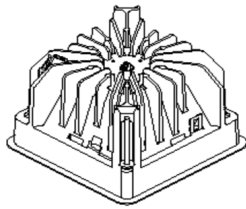
1050LSQDL

Lytecaster, 5" Sq., Lensed Downlight LED, Light/Engine/Trim

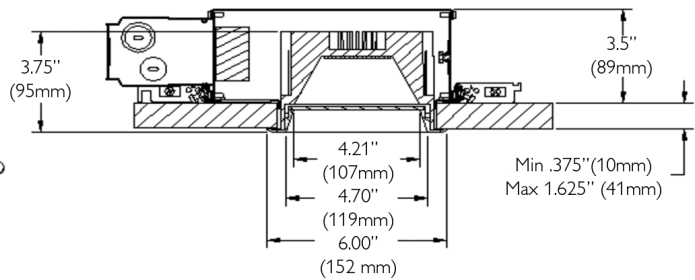
Page 2 of 3



Trim



Light Engine



Frame-in Kit

Trim Features

- 1. Lower Baffle / Cone:** Injection molded non-yellowing Polycarbonate plastic trim. Matte white finish. CD and WD finishes are a painted metallic coated finish.
- 2. Lens:** Lens: 1/8" (6mm) thick high transmission soda lime glass. Solite texture to reduce visibility to the LEDs.
- 3. Finishes:** WB = White Baffle / White Flange, CDW = Clear Diffuse Cone / White Flange CDP = Clear Diffuse Cone/ Clear Diffuse Flange, WC = White Cone/White Flange
- 4. Tortiontite Springs:** Permit easy and fast installation of trim and assure snug fit on ceiling.

Trim Features

- 1. LED Board:** LED Board: Utilizes Philips Lumileds LED's
- 2. Optical Mixing Chamber:** Designed to provide a spacing ratio of .9 (60° beam) with high reflectivity aluminum reflector
- 3. Securing Screws:** Springs on Frame In Kit allow fast positioning of Light Engine into ceiling opening, and captive screws secure the Light Engine snug to the ceiling.

Trim Features (continued)

- 4. Thermal Management:** Proprietary heat sink was developed using the latest in Computational Fluid Dynamic Software. This optimized thermal design provides a 50,000 hour lifetime at 70% lumen maintenance. Cast aluminum heat sink is painted in black to maximize heat transfer.
- 5. Performance Data:** See attached photometric reports for distribution and efficiency data.

Markings

cULus Listed Type I.C., Trims are suitable for wet location. Complies with Air Leakage.

Warranty

5 years, all testing conducted in accordance with IESNA LM79 and LM80 standards.

Job Information	Type:
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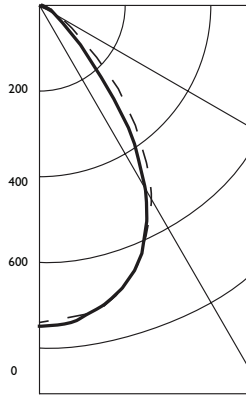
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1050LSQDL

Lytecaster, 5" Sq., Lensed Downlight LED, Light/Engine/Trim

20W LED, 3500K, WB Finish Trim

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Angle	Mean CP	Catalog No: 1050LSQDLWB/1050LSQ0935/1050LSQ09D1
0	650	Report No.: L10078
5	640	Total Fixture Lumens: 930 lms
10	635	Color Temp: 3500K
15	610	Input Watts: 19.8W
20	572	Luminaire Efficacy: 47.0 lm/w
25	507	CRI: 82
30	428	
35	325	
40	221	
45	137	
50	82	
55	52	
60	40	
65	33	
70	27	
75	20	
80	12	
85	5	
90	0	

		Coefficients of utilization										
		80%		70%		50%		30%		0%		
Ceiling	Wall	70	50	30	10	50	10	50	10	50	10	0
RCR		Zonal Cavity Method - Effective Floor Reflectance = 20%										
Room Cavity Ratio	0	119	119	119	119	116	116	111	111	106	106	100
	1	113	109	107	104	107	102	103	99	99	96	92
	2	106	101	97	93	99	92	96	90	93	88	84
	3	100	93	88	83	92	83	89	81	87	80	77
	4	95	87	81	76	85	75	83	75	81	74	71
	5	89	80	74	69	79	69	77	68	76	67	65
	6	84	75	68	63	74	63	72	63	71	62	60
	7	79	69	62	58	68	58	67	57	66	57	55
	8	75	64	58	53	63	53	62	53	61	52	51
	9	70	60	53	49	59	49	58	48	57	48	46
	10	66	55	49	45	55	45	54	44	53	44	43

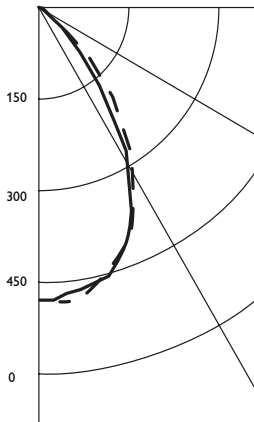
Zonal lumens and percentages		
Zone	Lumens	%Luminaire
0-30	336	50.5
0-40	491	73.8
0-60	623	93.6
0-90	665	100

Single Unit Data		
Height to Lighted Plane	Initial Center Beam Foot-Candles	Beam Diameter (ft)*
6'	13	7
7'	13	8
8'	9	9

Tested using absolute photometry as specified in LM79: IESNA Approved Method for the Electrical and Photometric Measurements of Solid-State Lighting Products.

*Beam diameter is where foot-candles drop to 50% of maximum.

16W LED, 3500K, WB Finish Trim



Angle	Mean CP	Catalog No: 1050LRNDLWB/1050LRN0635/1050LRN06D1
0	457	Report No.: L10061
5	460	Total Fixture Lumens: 665 lms
10	450	Color Temp: 3500K
15	439	Input Watts: 16.0W
20	415	Luminaire Efficacy: 41.6 lm/w
25	375	CRI: 82
30	317	
35	238	
40	163	
45	99	
50	58	
55	38	
60	29	
65	23	
70	19	
75	14	
80	9	
85	4	
90	0	

		Coefficients of utilization										
		80%		70%		50%		30%		0%		
Ceiling	Wall	70	50	30	10	50	10	50	10	50	10	0
RCR		Zonal Cavity Method - Effective Floor Reflectance = 20%										
Room Cavity Ratio	0	119	119	119	119	116	116	111	111	106	106	100
	1	113	109	107	104	107	102	103	99	99	96	92
	2	106	101	97	93	99	92	96	90	93	88	84
	3	100	93	88	83	92	83	90	82	87	80	77
	4	95	87	81	76	85	75	83	75	81	74	71
	5	89	80	74	69	79	69	77	68	76	67	65
	6	84	75	68	63	74	63	72	63	71	62	60
	7	79	69	62	58	68	58	67	57	66	57	55
	8	75	64	58	53	63	53	62	53	61	52	51
	9	70	60	53	49	59	49	58	48	57	48	46
	10	66	55	49	45	55	45	54	44	53	44	43

Zonal lumens and percentages			
Zone	Lumens	%Lamp	%Fixt
0-30	401	N/A	53.3
0-40	572	N/A	76.1
0-60	708	94.2	97.9
0-90	752	N/A	100

Single Unit Data		
Height to Lighted Plane	Initial Center Beam Foot-Candles	Beam Diameter* (ft.)
6'	15	7
7'	11	8
8'	9	9

Tested using absolute photometry as specified in LM79: IESNA Approved Method for the Electrical and Photometric Measurements of Solid-State Lighting Products.

*Beam diameter is where foot-candles drop to 50% of maximum.



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w: www.lightolier.com

1050LSQDL February 16, 2012

Specifications are subject to change without notice.
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Job Information Type: