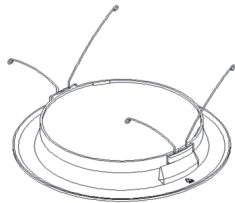


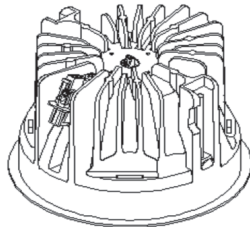
# 1050LRNDL

## Lytecaster, 5" Round Lensed Downlight LED, Light Engine/Trim

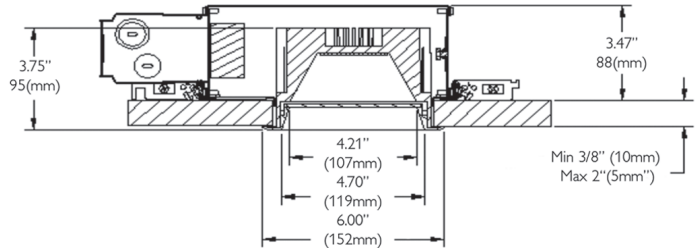
Page 1 of 3



Trim



Light Engine



Frame-in Kit

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

Lensed Round Slope/Wall Washer Trims		LED Light engines	
Catalog no.	Description	Catalog no.	Description
<b>1050LRNDLWB</b>	Lensed Downlight - White Baffle, White Flange	<b>1050LRN0927</b>	900 Lumens / 2700K
<b>1050LRNDLCDW</b>	Lensed Downlight - Clear Diffuse, White Flange	<b>1050LRN0935</b>	1000 Lumens / 3500K
<b>1050LRNDLCDP</b>	Lensed Downlight - Clear Diffuse, Clear Diffuse Flange	<b>1050LRN0627</b>	600 Lumens / 2700K
<b>1050LRNDLWC</b>	Lensed Downlight - White Cone, White Flange	<b>1050LRN0635</b>	750 Lumens / 3500K
<b>Xceed Frame-in-kits</b>			
<b>Catalog no.</b>			
<b>1050LRN09DI**</b>			
<b>1050LRN06DI**</b>			

\* 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

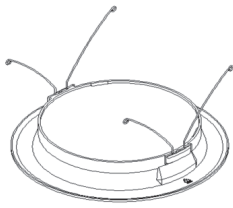
Job Information	Type:
Job Name:	
Cat. No.:	
Notes:	

# 1050LRNDL

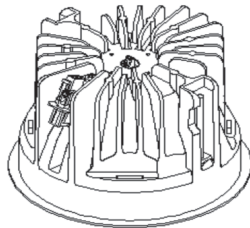
## Lytecaster, 5" Round Lensed Downlight LED, Light Engine/Trim

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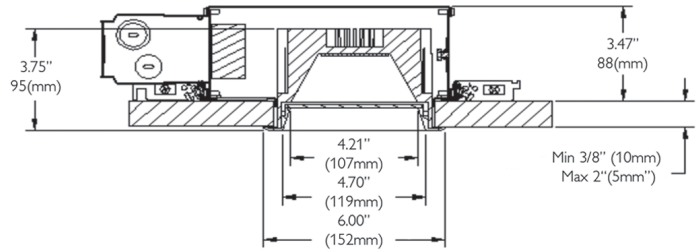
XCEED



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:** 1/8" (6mm) thick high transmission soda lime glass. Solite texture on room side 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

### Light Engine Features

- 1. LED Board:** Utilizes Philips Lumileds LED's
- 2. Optical Mixing Chamber:** Designed to provide optimal illumination 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.

### Light Engine 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:

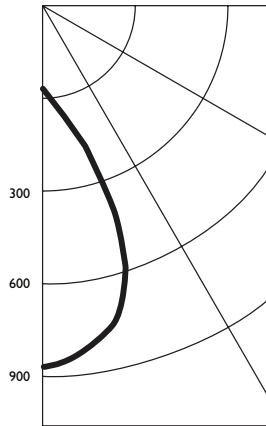
**PHILIPS**  
**LIGHTOLIER**

# 1050LRNDL

## Lytecaster, 5" Round Lensed Downlight LED, Light Engine/Trim

20W LED, 3500K, WB Finish Trim

Page 3 of 3



Angle	Mean CP
0	846
5	840
10	822
15	785
20	730
25	641
30	520
35	387
40	260
45	158
50	89
55	48
60	27
65	15
70	9
75	4
80	1
85	0
90	0

**Catalog No:**  
1050LRNDLWB/1050LRN0935/1050LRN09D1

Report No.: L10076

Total Fixture Lumens: 1023 lms

Color Temp: 3500K

Input Watts: 19.7W

Luminaire Efficacy: 51.9 lm/w

CRI: 82

		Coefficients of utilization																						
		80%				70%				50%		30%		0%										
Ceiling	Wall	70	50	30	10	50	10	50	10	50	10	50	10	0										
RCR		Zonal Cavity Method - Effective Floor Reflectance = 20%																						
Room Cavity Ratio		0	1	2	3	4	5	6	7	8	9	10	119	119	119	119	116	116	111	111	106	106	100	
		1	114	111	108	106	109	104	105	101	101	98	94	108	103	100	96	102	95	98	93	96	91	88
		2	108	103	100	96	102	95	98	93	96	91	88	103	96	92	88	95	87	93	86	90	84	82
		3	103	96	92	88	95	87	93	86	90	84	82	98	90	85	81	89	80	87	79	85	79	76
		4	98	90	85	81	89	80	87	79	85	79	76	93	85	79	74	83	74	82	77	77	73	71
		5	93	85	79	74	83	74	82	77	77	73	71	88	79	73	69	78	69	77	68	75	68	66
		6	88	79	73	69	78	69	77	68	75	68	66	83	74	68	64	73	63	72	63	68	62	61
		7	83	74	68	64	73	63	72	63	68	62	61	79	69	63	59	68	59	67	58	64	58	56
		8	79	69	63	59	68	59	67	58	64	58	56	74	65	58	54	64	54	63	54	60	54	52
		9	74	65	58	54	64	54	63	54	60	54	52	70	60	54	50	60	50	59	50	57	50	48
		10	70	60	54	50	60	50	59	50	57	50	48											

**Zonal lumens and percentages**

Zone	Lumens	%Luminaire
0-30	591	57.8
0-40	831	81.2
0-60	1001	100
0-90	1023	18.8

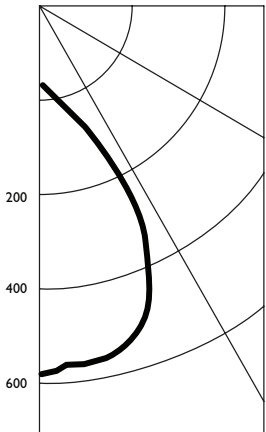
**Single Unit Data**

Height to Lighted Plane	Initial Center Beam Foot-Candles	Beam Diameter (ft)*
6'	24	6
7'	17	8
8'	13	9

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

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

16W LED, 3500K, WB Finish Trim



Angle	Mean CP
0	552
5	539
10	538
15	528
20	499
25	443
30	365
35	277
40	190
45	119
50	71
55	44
60	31
65	24
70	19
75	15
80	9
85	4
90	0

**Catalog No:**  
1050LRNDLWB/1050LRN0635/1050LRN06D1

Report No.: L10092

Total Fixture Lumens: 752 lms

Color Temp: 3500K

Input Watts: 16.0W

Luminaire Efficacy: 47.0 lm/w

CRI: 82

		Coefficients of utilization																						
		80%				70%				50%		30%		0%										
Ceiling	Wall	70	50	30	10	50	10	50	10	50	10	50	10	0										
RCR		Zonal Cavity Method - Effective Floor Reflectance = 20%																						
Room Cavity Ratio		0	1	2	3	4	5	6	7	8	9	10	119	119	119	119	116	116	111	111	106	106	100	
		1	113	110	107	104	108	103	103	100	100	96	92	107	101	97	93	100	92	96	90	93	88	85
		2	107	101	97	93	100	92	96	90	82	87	81	101	94	89	84	92	84	90	82	87	81	78
		3	101	94	89	84	92	84	90	82	87	81	78	96	88	82	77	86	77	84	76	82	75	72
		4	96	88	82	77	86	77	84	76	82	75	72	90	81	75	70	80	70	78	70	77	69	67
		5	90	81	75	70	80	70	78	70	77	69	67	85	76	70	65	75	65	74	64	72	64	62
		6	85	76	70	65	75	65	74	64	72	64	62	80	71	64	60	70	59	68	59	67	59	57
		7	80	71	64	60	70	59	68	59	67	59	57	76	66	59	55	65	55	64	55	63	54	53
		8	76	66	59	55	65	55	64	55	63	54	53	72	61	55	50	61	50	60	50	59	50	48
		9	72	61	55	50	61	50	60	50	59	50	48	68	57	51	47	57	47	56	46	55	46	45
		10	68	57	51	47	57	47	56	46	55	46	45											

**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

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

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



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1050LRNDL August 17, 2011

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