



2" ROUND LED FIXTURE WITH CHANGEABLE REFLECTOR

- ▶ **2-3/8" THICK LED FIXTURE WITH HIGHER BRIGHTNESS**
- ▶ **FOR NEW CONSTRUCTION – INSULATED AND DROPPED CEILINGS**

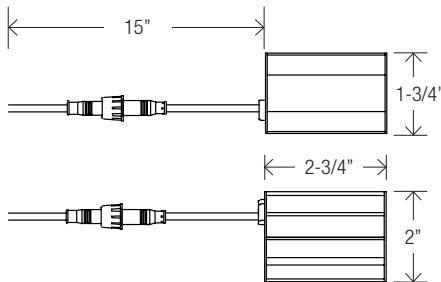
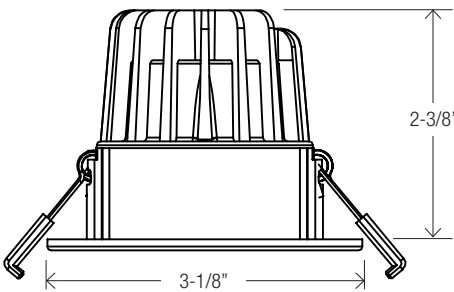
INPUT VOLT.	INPUT FREQ.	THD	POWER FACTOR	INPUT POWER	DELIVERED LUMENS	LUMEN/WATT
120	60Hz	<20%	>0.98	8W(+/-5%)	555L	68

▶ FEATURES

2" fixtures with integral LEDs. Isolated external driver factory installed inside junction box. One driver for every fixture required. PF>0.98.

- ▶ Cast aluminum trim
- ▶ Dimmable
- ▶ ETL approved and Energy Star Certified
- ▶ Type IC Rated – Approved for direct contact with insulation
- ▶ Air-tight and damp location approved
- ▶ Fast and easy to install in limited space locations
- ▶ External driver factory mounted inside connection box - 120V
- ▶ New construction rough-in plates and jumper cables available
- ▶ Available Temperatures (3000K, 3500K and 4000K)
- ▶ 50,000 Hours Life; 5 Year Warranty

DIMENSION



TECHNICAL SPECIFICATIONS

- ▶ **WATTAGES:** 8W
- ▶ **OUTPUT:** Default Driver Voltage: 120V AC 60 Hz (Dimmable)
- ▶ **CRI:** 90+
- ▶ **AMBIENT TEMPERATURE:** -40°F (-40°C) to +104°F (+40°C)

INSTALLATION

- Cut hole in ceiling and snap fixture in opening with attached spring clips. Space in ceiling needed for the driver to fit through the ceiling height – 3".



RL-ACC-SLIM-1-10F
10-ft long extension



RL-ACC-SLIM-1-20F
20-ft long extension

EXAMPLE: **RL271-600L-DIMTR-120-30K-90-WH**

TYPE	LUMEN SERIES	CCT	CRI	FINISH	ACCESSORIES	TRIM OPTION
RL271	<input type="checkbox"/> 600L-DIMTR-120 <input type="checkbox"/> 1000L-DIMTR-120	<input type="checkbox"/> 30K <input type="checkbox"/> 35K <input type="checkbox"/> 40K	90+	SHZ-WH	<input type="checkbox"/> RL-ACC-SLIM-1-10F <input type="checkbox"/> RL-ACC-SLIM-1-20F	<input type="checkbox"/> RL271-RT-W-WH <input type="checkbox"/> RL271-RT-MB-BK

LED

2"

2 INCH LED RETROFIT MODULE

RL271 LED

2" ROUND LED FIXTURE WITH CHANGEABLE REFLECTOR

RL271-LED-600L-DIMTR-120-30K-90-CL-WH

TEST NO.: EL071895

INPUT WATTS: 8.1

LUMENS: 555

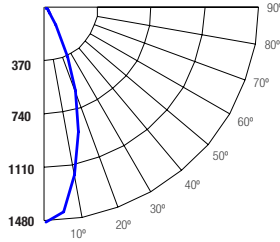
CRI: 90

EFFICACY: 68

CCT: 3000K

SPACING CRITERIA: 0.56

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	342.05	62.80	61.70
0-30	486.48	89.40	87.70
0-40	528.24	97.00	95.20
0-60	550.69	101.20	99.30
0-80	554.05	101.80	99.90
0-90	554.65	101.90	100.00

Luminance (Average candela/M²)

Angle in Degrees	Average		
	0°	45°	90°
45	5422	7386	15736
55	1986	2624	3434
65	866	969	2032
75	821	973	982
85	1860	1734	1760

Lumens Per Zone

Zone	Lumens
0-10	120.16
10-20	221.90
20-30	144.42
30-40	41.77
40-50	16.90
50-60	5.55
60-70	2.24
70-80	1.13
80-90	0.60

Candela Tabulation

Q	
0	1480.33
5	1412.50
15	887.39
25	369.37
35	47.58
45	17.50
55	5.20
65	1.67
75	0.97
85	0.74
90	0.01

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

RC	80%				70%				50%				30%				10%				0%			
	RW	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%		
0	121	121	121	121	118	118	118	118	113	113	113	108	108	108	104	104	104	104	102	102	102	102		
1	116	114	112	110	114	112	110	108	108	106	105	104	103	102	100	100	99	99	99	99	99	97		
2	112	107	104	101	110	106	102	100	102	100	98	100	97	96	97	95	95	94	92	92	92	92		
3	107	102	97	94	105	100	96	93	98	94	92	95	93	90	93	91	89	87	87	87	87	87		
4	103	96	92	88	101	95	91	88	93	90	87	91	88	86	90	87	85	83	83	83	83	83		
5	99	92	87	83	97	91	86	83	89	85	82	88	84	81	86	83	81	79	79	79	79	79		
6	95	88	83	79	94	87	82	79	85	81	78	84	80	78	83	80	77	76	76	76	76	76		
7	92	84	79	75	90	83	78	75	82	78	75	81	77	74	80	76	74	73	73	73	73	73		
8	88	80	75	72	87	80	75	72	79	74	71	78	74	71	77	73	71	70	70	70	70	70		
9	85	77	72	69	84	77	72	69	76	71	68	75	71	68	74	71	68	67	67	67	67	67		
10	82	74	69	66	81	74	69	66	73	69	66	72	68	66	72	68	65	64	64	64	64	64		

Cone of Light		
4.0	92.5 fc	2.3 ft
8.0	23.1 fc	4.7 ft
12.0	10.3 fc	7.0 ft
16.0	5.78 fc	9.4 ft
20.0	3.70 fc	11.7 ft
24.0	2.57 fc	14.1 ft
Distance to Plane	Initial Footcandle at Nadir	Beam diameter

BEAM DIA. MEASURED AT 50% OF NADIR F.C.

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

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