

600L

1000L

NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
600	588	8W
1000	1114	14W

Based on 3000K, 90+ CRI. Actual wattage may vary +/- 5%

INSTALLATION

Cut hole in ceiling. Insert luminaire into opening by squeezing spring clips on both sides of luminaire. The width in ceiling needed for the driver to fit is 3".

FEATURES

2" square LED luminaire engineered for new construction, remodel or retrofit to accommodate insulated or dropped ceilings. Remote driver allows easy installation and maintenance. Small aperture and shallow depth are ideal for unlimited applications.

LUMENS	600, 1000
CCT	27K, 30K, 35K, 40K
CRI	90+
COLOR QUALITY	3-Step MacAdam Ellipse
CONSTRUCTION	Aluminum die-cast body and trim
TRIM OPTION	Square Reflector
COLORS	WH (White-standard)
DIMMING	DIMTR (Triac)
EMERGENCY	16W high voltage inverter
LIFETIME	L70 at 50,000 Hours
PHOTOMETRIC TESTS	In Accordance with IES LM79-08, LM80 and TM-30, TM-21

- IC-Rated and Air-Tight ready and may be in direct contact with insulation.
- Can be installed in applications with limited plenum clearance.
- May be installed in drywall or suspended ceilings.
- Flicker-free 120V forward-phase Triac dimming down to 5%.
- Even illumination of luminaire is achieved by utilizing patent-pending optics along with edgelit LED technology.
- Aluminum die-cast body and trim.



SLIM TRIM



EXAMPLE: **RL276-600L-DIMTR-120-30K-90-WH**

TYPE	LUMEN	CCT	CRI	FINISH
RL276	<input type="checkbox"/> 1000L-DIMTR-120	<input type="checkbox"/> 27K	<input type="checkbox"/> 90+	<input type="checkbox"/> W-WH - White (Standard)
	<input type="checkbox"/> 600L-DIMTR-120	<input type="checkbox"/> 30K		
		<input type="checkbox"/> 35K		
		<input type="checkbox"/> 40K		

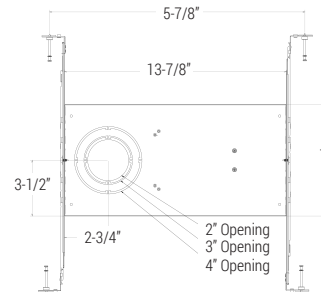
ACCESSORIES



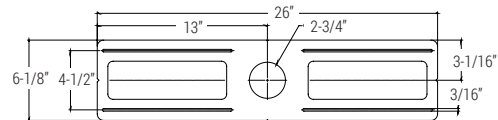
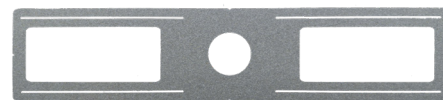
RL-ACC-SLIM-1-10F
10-ft long extension



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



RL-UNV-2/3/4
For use with: 2", 3", 4"
Universal mounting plate



RL-ACC-SLIM-2-ROUGHPLATE
Rough-in plate for use with 2" downlights

RL-ACC-SLIM-1-10F

OPTIONS
<input type="checkbox"/> RL-ACC-SLIM-1-10F - 10ft Long Extension
<input type="checkbox"/> RL-ACC-SLIM-1-20F - 20ft Long Extension
<input type="checkbox"/> RL-UNV-2/3/4 - Universal Mounting Plate for 2",3" and 4"
<input type="checkbox"/> RL-ACC-SLIM-2-ROUGHPLATE - 2" Mounting Plate

RL276-LED-600L-DIMTR-120-30K-90-WH

TEST NO.: **EL071894**

INPUT WATTS: **8.3**

LUMENS: **588**

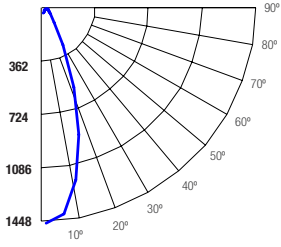
CRI: **90**

EFFICACY: **71**

CCT: **3000K**

SPACING CRITERIA: **0.58**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	346.81	60.00	59.00
0-30	486.09	84.10	82.70
0-40	530.34	91.80	90.20
0-60	569.81	98.60	96.90
0-80	586.01	101.40	99.70
0-90	587.83	101.80	100.00

Luminance (Average candela/M²)

Angle in Degrees	Average		
	0°	45°	90°
45	6100	6490	6762
55	5073	5010	4524
65	4739	4165	3644
75	3763	3291	3018
85	2093	3850	3672

Lumens Per Zone

Zone	Lumens
0-10	120.97
10-20	225.84
20-30	139.28
30-40	44.25
40-50	23.98
50-60	15.49
60-70	10.58
70-80	5.62
80-90	1.82

Candela Tabulation

0	10	15	25	35	45	55	65	75	85	90
0	1448.33									
5	1392.38									
15	881.89									
25	273.85									
35	40.76									
45	25.07									
55	16.91									
65	11.64									
75	5.66									
85	1.06									
90	0.03									

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	121	118	118	118	118	113	113	113	113	108	108	108	108	104	104	104	104	102		
1	116	113	111	108	108	113	111	109	107	107	107	105	103	103	102	100	99	98	97	96	95	95		
2	111	106	102	99	108	108	104	101	98	101	98	95	98	95	93	95	93	93	92	90	92	90		
3	106	100	95	91	104	98	94	90	96	92	89	93	90	88	91	88	86	86	85	85	86	85		
4	101	94	89	85	99	93	88	85	91	87	84	89	85	83	87	84	82	80	82	80	82	80		
5	97	89	84	80	95	88	83	80	87	82	79	85	81	78	83	80	78	76	76	74	76	73		
6	93	85	80	76	92	84	79	75	83	78	75	81	77	74	80	77	74	74	73	74	73	73		
7	89	81	76	72	88	80	75	72	79	75	71	78	74	71	77	73	71	71	71	71	69	69		
8	86	78	72	69	85	77	72	68	76	71	68	75	71	68	74	70	68	68	66	66	66	66		
9	83	74	69	66	82	74	69	65	73	68	65	72	68	65	71	68	65	64	65	64	65	64		
10	80	71	66	63	79	71	66	63	70	66	63	69	65	62	69	65	62	62	62	62	61	61		

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

Cone of Light

Beam Dia. (ft)	Initial Footcandle at Nadir	Beam Vert. Spread	Beam Horiz. Spread
2	362	1.2	1.2
4	90.5	2.4	2.4
6	40.2	3.6	3.6
8	22.6	4.8	4.8
10	14.5	6	6
12	10.1	7.2	7.2

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

RL276-1000L-DIMTR-120-30K-90-WH

TEST NO.: **EL11121930**

INPUT WATTS: **14.6155**

LUMENS: **1114**

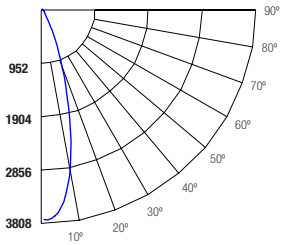
CRI: **90**

EFFICACY: **76**

CCT: **3000K**

SPACING CRITERIA: **0.50**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	799.49	71.80	71.80
0-30	993.47	89.20	89.20
0-40	1041.67	93.50	93.50
0-60	1096.85	98.50	98.50
0-80	1113.06	99.90	99.90
0-90	1113.08	99.90	99.90

Luminance (Average candela/M²)

Angle in Degrees	Average		
	0°	45°	90°
45	18826	19828	20787
55	14723	14914	16406
65	9744	10416	11226
75	3359	4378	5621
85	79	39	39

Lumens Per Zone

Zone	Lumens
0-10	309.44
10-20	490.05
20-30	193.98
30-40	48.19
40-50	32.40
50-60	22.78
60-70	12.64
70-80	3.57
80-90	0.02

Candela Tabulation

0	5	15	25	35	45	55	65	75	85	90
0	3744.99									
5	3218.84									
15	1206.18									
25	145.48									
35	63.23									
45	38.89									
55	24.67									
65	12.03									
75	2.54									
85	0.02									
90	0.02									

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	119	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	100	100	100		
1	114	112	110	108	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95	95	97	95		
2	110	106	103	100	108	104	101	99	101	96	96	98	96	94	95	94	92	91	91	91	92	91		
3	106	101	97	93	104	99	96	93	97	94	91	94	92	90	92	90	88	87	87	87	88	87		
4	102	96	91	88	100	95	91	88	93	89	86	91	88	86	89	87	85	83	81	81	83	83		
5	98	92	87	84	97	91	87	83	89	85	83	88	84	82	86	83	81	80	80	80	81	80		
6	95	88	83	80	94	87	83	80	86	82	79	85	81	79	83	80	78	77	77	78	77	77		
7	92	85	80	77	91	84	80	76	83	79	76	82	78	76	81	78	75	74	74	75	74	74		
8	89	82	77	74	88	81	77	74	80	76	73	79	76	73	78	75	73	72	72	73	72	72		
9	86	79	74	71	85	78	74	71	77	74	71	77	73	71	76	73	70	69	69	70	69	69		
10	84	76	72	69	83	76	72	69	75	71	68	74	71	68	74	70	68	67	67	68	67	67		

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

Cone of Light

Beam Dia. (ft)	Initial Footcandle at Nadir	Beam Vert. Spread	Beam Horiz. Spread
2	936	1	1
4	234	2.1	2.1
6	104	3.1	3.1
8	58.5	4.2	4.2
10	37.4	5.2	5.2
12	26	6.3	6.2

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