

NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
550	504	9W

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

4" square regressed slim LED luminaire engineered for new construction, remodel or retrofit to accommodate insulated or dropped ceilings. Regressed lens delivers smooth, even comfortable illumination. Recessed housing not required for insulated ceilings. Remote driver allows easy installation and maintenance. Small aperture and shallow depth are ideal for unlimited applications.

LUMENS	550
CCT	27K, 30K, 35K, 40K and WDM (30-22K dim to warm technology)
CRI	90+
COLOR QUALITY	3-Step MacAdam Ellipse
CONSTRUCTION	Aluminum die-cast body and trim
TRIM OPTION	Square Indirect
TRIM COLORS	WH (White)
REFLECTOR COLORS	WH (White)
DIMMING	DIMTR (Triac)
EMERGENCY	16W high voltage inverter (remote)
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 shallow plenum spaces.
- May be installed in drywall or suspended ceilings.
- External driver mounted inside connection box; no j-box needed.
- Flicker-free 120V forward-phase Triac dimming down to 5%.
- Even illumination achieved with patent-pending optics and edge-lit LED technology.
- New construction rough-in plates and jumper cables available.
- Available in Dim to Warm (30K to 22K)



SLIM TRIM



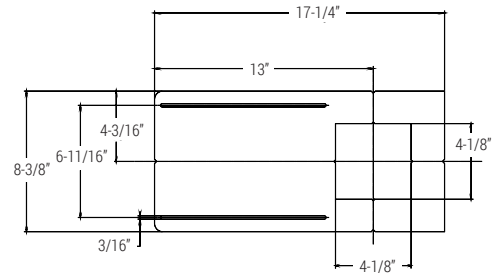
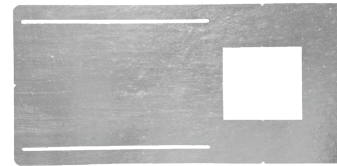
ACCESSORIES



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



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



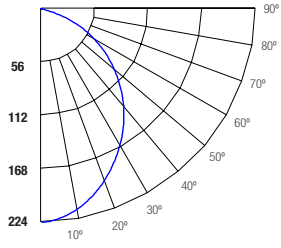
RL-ACC-SLIM-4-SQ-ROUGHPLATE
Rough-in plate for use with 4" square downlights

EXAMPLE: **RL456-550L-DIMTR-120-30K-90-WH**

TYPE	LUMEN	CCT	CRI	FINISH
RL456	<input type="checkbox"/> 550L-DIMTR-120	<input type="checkbox"/> 27K	<input type="checkbox"/> 90+	<input type="checkbox"/> WH-White
	<input type="checkbox"/> 550L-277-347 (Non-Dimmable)	<input type="checkbox"/> 30K <input type="checkbox"/> 35K <input type="checkbox"/> 40K		
		<input type="checkbox"/> WDM(30K-22K)		

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-ACC-SLIM-4-SQ-ROUGHPLATE - 4" Square Mounting Plate

RL456-550L-DIMTR-120-30K-90-WH
TEST NO.: EL011938
INPUT WATTS: 8.97
LUMENS: 504
CRI: 90
EFFICACY: 56
CCT: 3000K
SPACING CRITERIA: 1.28
Candle Power Distribution (Candelas)

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	79.38	15.70	15.70
0-30	164.43	32.60	32.60
0-40	262.37	52.00	52.00
0-60	437.48	86.80	86.80
0-80	503.63	99.90	99.90
0-90	503.67	99.90	99.90

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	20537	21052	22249
55	17117	18062	19497
65	12353	13209	15713
75	391	701	4985
85	28	28	28

Lumens Per Zone

Zone	Lumens
0-10	20.95
10-20	58.43
20-30	85.05
30-40	97.94
40-50	95.78
50-60	79.33
60-70	51.81
70-80	14.34
80-90	0.04

Candela Tabulation

0	0
0	223.26
5	219.95
15	204.61
25	181.78
35	152.14
45	117.61
55	79.51
65	42.28
75	0.82
85	0.02
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%	0%	30%	10%	0%		
0	119	119	119	119	116	116	116	116	111	111	111	111	106	106	106	102	102	102	100	102	102	100		
1	110	106	103	99	108	104	101	98	100	97	95	95	96	94	92	93	91	89	87	89	89	87		
2	101	94	88	83	99	92	87	82	89	84	80	80	86	82	78	83	79	77	75	77	77	75		
3	93	84	76	70	91	82	75	70	79	73	68	68	76	71	67	74	70	66	64	66	66	64		
4	86	75	66	60	83	73	66	60	71	64	59	59	69	63	58	66	62	57	55	57	57	55		
5	79	67	59	52	77	66	58	52	64	57	52	52	62	56	51	60	55	50	48	50	50	48		
6	73	61	52	46	71	60	52	46	58	51	46	46	56	50	45	55	49	45	43	44	44	43		
7	68	55	47	41	66	54	46	41	53	46	41	41	51	45	40	50	44	40	38	40	40	38		
8	63	50	42	37	62	50	42	37	48	41	36	36	47	41	36	46	40	36	34	36	36	34		
9	59	46	39	33	58	46	38	33	45	38	33	33	44	37	33	43	37	33	31	33	33	31		
10	56	43	35	30	54	42	35	30	41	35	30	30	41	34	30	40	34	30	28	30	30	28		

Cone of Light			
2	55.8	4.6	4.5
4	14	9.1	9.1
6	6.2	13.7	13.6
8	3.49	18.3	18.2
10	2.23	22.9	22.7
12	1.55	27.4	27.3

(F.T.) Distance to Plane (F.C.) Initial Footcandle at Nadir (F.T.) Beam Vert. Spread (F.T.) Beam Horiz. Spread

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

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance