

NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
700	825	12W

Based on 4000K, 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

6" 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	700
CCT	27K, 30K, 35K, 40K, 50K and WDM(dims 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 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

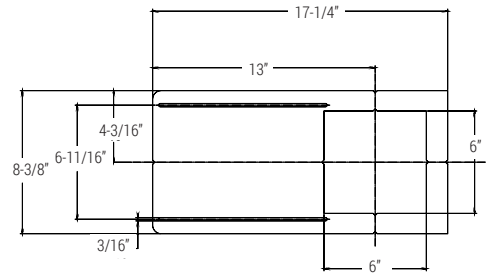
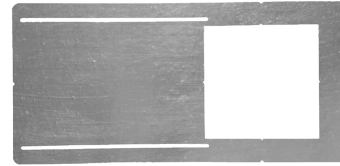
ACCESSORIES



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



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



RL-ACC-SLIM-6-SQ-ROUGHPLATE
Rough-in plate for use with 6" downlights

EXAMPLE: **RL656-700L-DIMTR-120-30K-90-WH**

RL-ACC-SLIM-1-10F

TYPE	LUMEN	CCT	CRI	FINISH
RL656	<input type="checkbox"/> 700L-DIMTR-120 <input type="checkbox"/> 700L-277-347 (Non-dimmable)	<input type="checkbox"/> 27K <input type="checkbox"/> 30K <input type="checkbox"/> 35K <input type="checkbox"/> 40K <input type="checkbox"/> WDM-30K-22K	<input type="checkbox"/> 90+	<input type="checkbox"/> WH-White

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-6-SQ-ROUGHPLATE - 6" Mounting Plate

RL656-700L-DIMTR-120-40K-90-WH

TEST NO.: **EL082719150**

INPUT WATTS: **12.0215**

LUMENS: **825**

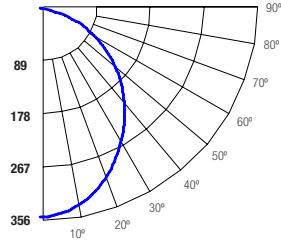
CRI: **90**

EFFICACY: **69**

CCT: **4000K**

SPACING CRITERIA: **1.26**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	127.12	15.40	15.40
0-30	263.07	31.90	31.90
0-40	418.59	50.70	50.70
0-60	703.89	85.30	85.30
0-80	824.59	99.90	99.90
0-90	824.62	99.90	99.90

Luminance (Average candela/M²)

Angle in Degrees	Average		
	0°	45°	90°
45	48786	47518	49170
55	44175	43599	44700
65	37493	38417	38173
75	18681	17444	16228
85	59	59	59

Lumens Per Zone

Zone	Lumens
0-10	33.48
10-20	93.63
20-30	135.95
30-40	155.53
40-50	153.51
50-60	131.79
60-70	92.86
70-80	27.83
80-90	0.03

Candela Tabulation

θ	Candela
0	355.83
5	353.18
15	331.81
25	294.51
35	249.01
45	200.49
55	147.26
65	92.09
75	28.10
85	0.03
90	0.03

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

Cone of Light			
Beam Dia. (ft.)	Beam Dia. (m)	Beam Dia. (ft.)	Beam Dia. (m)
2	89	4.7	4.7
4	22.2	9.4	9.4
6	9.88	14.1	14.1
8	5.56	18.8	18.8
10	3.56	23.5	23.5
12	2.47	28.2	28.3

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

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%
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	
1	110	106	102	99	108	104	101	97	100	97	94	96	94	91	92	90	89	87	
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74	
3	93	83	75	69	90	81	74	69	78	72	68	76	71	66	73	69	65	63	
4	85	74	66	59	83	73	65	59	70	63	58	68	62	57	66	61	57	55	
5	78	66	58	52	76	65	57	51	63	56	51	61	55	50	59	54	50	48	
6	73	60	51	45	71	59	51	45	57	50	45	56	49	44	54	48	44	42	
7	67	54	46	40	66	54	46	40	52	45	40	51	44	39	49	44	39	37	
8	63	50	42	36	61	49	41	36	48	41	36	47	40	35	45	40	35	33	
9	59	46	38	33	57	45	38	32	44	37	32	43	37	32	42	36	32	30	
10	55	42	35	30	54	42	35	30	41	34	29	40	34	29	39	33	29	27	