

NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
700	789	14W
900	1014	15W

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".

You MUST seal all gaps between the ceiling and fixture with weatherproof silicone sealant. This deters moisture and water from damaging fixtures and other mechanical ceiling elements.

#### FEATURES

6" round LED "Slim Disk" engineered for new construction, remodel, or retrofit to accommodate insulated or dropped ceilings. Recessed housing not required, especially with limited plenum applications. Remote driver allows easy installation and maintenance. Small aperture and shallow depth are ideal for unlimited applications.

LUMENS	700, 900
CCT	27K, 30K, 35K, 40K, 50K
CRI	90+
COLOR QUALITY	3-Step MacAdam Ellipse
CONSTRUCTION	Aluminum die-cast body and trim
TRIM OPTION	Round Flat Lens
TRIM COLORS	WH (White), BK (Black), BZ (Bronze), SN (Satin Nickel), CP (Copper), CH (Chrome)
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**

**TRIM RINGS**

**ACCESSORIES**



**RL675-RT-BK**  
(Black)



**RL675-RT-BZ**  
(Bronze)



**RL675-RT-CH**  
(Chrome)



**RL675-RT-CP**  
(Copper)



**RL675-RT-SN**  
(Satin Nickel)



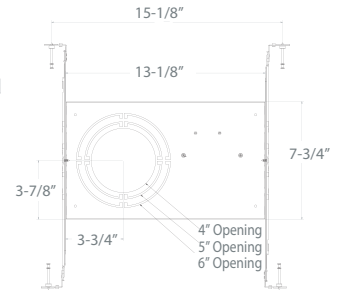
**RL-ACC-SLIM-1-10F**  
10-ft long extension



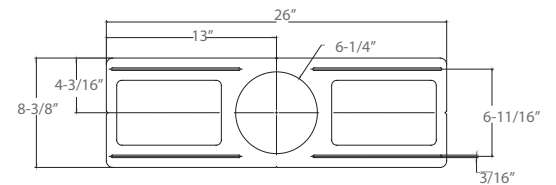
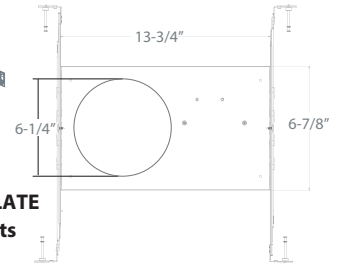
**RL-ACC-SLIM-1-20F**  
20-ft long extension



**RL-UNV-4/5/6**  
For use with: 4", 5", 6"  
Universal mounting plate



**AL-ACC-SLIM-6-F-ROUGHPLATE**  
For use with: 6" downlights



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

EXAMPLE: **RL675-900L-DIMTR-120-30K-90-WH**

TYPE	LUMEN	CCT	CRI	FINISH
RL675	<input type="checkbox"/> 700L-DIMTR-120	<input type="checkbox"/> 27K	<input type="checkbox"/> 90+	<input type="checkbox"/> WH (White)
	<input type="checkbox"/> 900L-DIMTR-120	<input type="checkbox"/> 30K		
		<input type="checkbox"/> 35K		
		<input type="checkbox"/> 40K		
		<input type="checkbox"/> 50K		

**RL675-RT-BZ**

ACCESSORIES
<input type="checkbox"/> <b>RL675-RT-BZ</b> -Bronze
<input type="checkbox"/> <b>RL675-RT-BK</b> -Black
<input type="checkbox"/> <b>RL675-RT-CH</b> -Chrome
<input type="checkbox"/> <b>RL675-RT-CP</b> -Copper
<input type="checkbox"/> <b>RL675-RT-SN</b> -Satin Nickel

**RL-ACC-SLIM-1-10F**

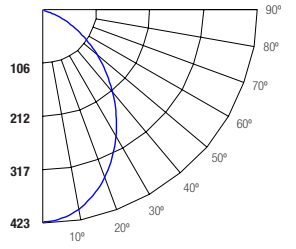
OPTIONS
<input type="checkbox"/> <b>RL-ACC-SLIM-1-10F</b> - 10ft Long Extension
<input type="checkbox"/> <b>RL-ACC-SLIM-1-20F</b> - 20ft Long Extension
<input type="checkbox"/> <b>RL-UNV-4/5/6</b> - Universal Mounting Plate for 4", 5" and 6"
<input type="checkbox"/> <b>RL-ACC-SLIM-6-ROUGHPLATE</b> - 6" Mounting Plate
<input type="checkbox"/> <b>AL-ACC-SLIM-6-F-ROUGHPLATE</b> - 6" Flanged Roughplate

**RL675-700L-DIMTR-120-35K-90-BK**

TEST NO.: **EL09051928**

INPUT WATTS: **14.3065** LUMENS: **789** CRI: **90** EFFICACY: **55** CCT: **3500K** SPACING CRITERIA: **1.18**

**Candle Power Distribution (Candelas)**



Cone of Light			
2	106	3.6	3.6
4	26.4	7.2	7.2
6	11.7	10.8	10.8
8	6.6	14.4	14.3
10	4.22	18	17.9
12	2.93	21.6	21.5
(FT.) Distance to Plane	(FC) Initial Footcandle at Nadir	(FT.) Beam Vert. Spread	(FT.) Beam Horiz. Spread

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

**Zonal Lumens Summary**

Zone	Lumens	%Lamp	%Fixt
0-20	148.51	18.80	18.80
0-30	301.08	38.20	38.20
0-40	465.01	59.00	59.00
0-60	716.44	90.90	90.90
0-80	787.77	99.90	99.90
0-90	787.80	99.90	99.90

**Luminance (Average candela/M<sup>2</sup>)**

Angle in Degrees	Average		
	0°	45°	90°
45	87858	90162	94045
55	66339	69264	73710
65	41179	44953	50339
75	8570	12644	19481
85	79	79	79

**Lumens Per Zone**

Zone	Lumens
0-10	39.59
10-20	108.92
20-30	152.57
30-40	163.93
40-50	145.43
50-60	105.99
60-70	57.59
70-80	13.74
80-90	0.03

**Candela Tabulation**

0	
0	422.31
5	417.51
15	384.07
25	326.78
35	255.88
45	181.49
55	111.16
65	50.84
75	6.48
85	0.02
90	0.03

**Coefficients of Utilization - Zonal Cavity Method**

Effective Floor Cavity Reflectance 0.20

ROOM CAVITY RATIO	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	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100	100		
1	1	111	107	104	101	109	105	102	99	101	98	96	97	95	93	94	92	91	89	89	89	89	89		
2	2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77	77	77	77	77		
3	3	95	86	79	74	93	85	78	73	82	76	72	79	74	71	77	73	69	67	67	67	67	67		
4	4	88	78	70	64	86	76	69	64	74	68	63	72	66	62	70	65	61	59	59	59	59	59		
5	5	82	70	62	56	80	69	62	56	67	61	56	65	59	55	63	58	54	53	53	53	53	53		
6	6	76	64	56	50	74	63	55	50	61	55	50	60	54	49	58	53	49	47	47	47	47	47		
7	7	71	58	51	45	69	58	50	45	56	49	45	55	49	44	54	48	44	42	42	42	42	42		
8	8	66	54	46	41	65	53	46	41	52	45	40	51	45	40	50	44	40	38	38	38	38	38		
9	9	62	50	42	37	61	49	42	37	48	41	37	47	41	37	46	40	36	35	35	35	35	35		
10	10	58	46	39	34	57	46	39	34	45	38	34	44	38	34	43	37	33	32	32	32	32	32		

RC - Ceiling Cavity Reflectance

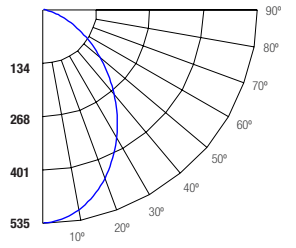
RW - Wall Reflectance

**RL675-900L-DIMTR-120-30K-90-SN**

TEST NO.: **EL11191959**

INPUT WATTS: **14.8543** LUMENS: **1014** CRI: **90** EFFICACY: **68** CCT: **3000K** SPACING CRITERIA: **1.18**

**Candle Power Distribution (Candelas)**



Cone of Light			
2	133	3.6	3.6
4	33.4	7.3	7.3
6	14.8	10.9	10.9
8	8.34	14.5	14.6
10	5.34	18.2	18.2
12	3.71	21.8	21.8
(FT.) Distance to Plane	(FC) Initial Footcandle at Nadir	(FT.) Beam Vert. Spread	(FT.) Beam Horiz. Spread

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

**Zonal Lumens Summary**

Zone	Lumens	%Lamp	%Fixt
0-20	187.79	18.50	18.50
0-30	381.22	37.60	37.60
0-40	589.93	58.20	58.20
0-60	914.52	90.20	90.20
0-80	1012.64	99.90	99.90
0-90	1012.67	99.90	99.90

**Luminance (Average candela/M<sup>2</sup>)**

Angle in Degrees	Average		
	0°	45°	90°
45	111235	113558	119222
55	85078	88283	94806
65	55774	59816	67089
75	15143	19548	29996
85	79	79	79

**Lumens Per Zone**

Zone	Lumens
0-10	50.04
10-20	137.75
20-30	193.42
30-40	208.72
40-50	186.64
50-60	137.95
60-70	77.72
70-80	20.40
80-90	0.03

**Candela Tabulation**

0	
0	533.67
5	526.77
15	483.20
25	411.02
35	322.37
45	229.78
55	142.56
65	68.86
75	11.45
85	0.02
90	0.03

**Coefficients of Utilization - Zonal Cavity Method**

Effective Floor Cavity Reflectance 0.20

ROOM CAVITY RATIO	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	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100	100		
1	1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88	88	88	88	88		
2	2	103	96	90	85	100	94	89	84	91	86	82	87	84	81	84	81	79	77	77	77	77	77		
3	3	95	86	79	73	92	84	78	73	81	76	71	79	74	70	76	72	69	67	67	67	67	67		
4	4	88	77	69	64	85	76	69	63	73	67	62	71	66	62	69	65	61	59	59	59	59	59		
5	5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	52	52	52	52	52		
6	6	75	64	55	50	74	63	55	49	61	54	49	59	53	49	58	52	48	46	46	46	46	46		
7	7	70	58	50	45	69	57	50	44	56	49	44	54	48	44	53	48	43	42	42	42	42	42		
8	8	66	53	46	40	64	53	45	40	51	45	40	50	44	40	49	44	39	38	38	38	38	38		
9	9	62	49	42	37	60	49	41	37	48	41	36	47	41	36	46	40	36	34	34	34	34	34		
10	10	58	46	38	34	57	45	38	33	44	38	33	43	37	33	43	37	33	31	31	31	31	31		

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance