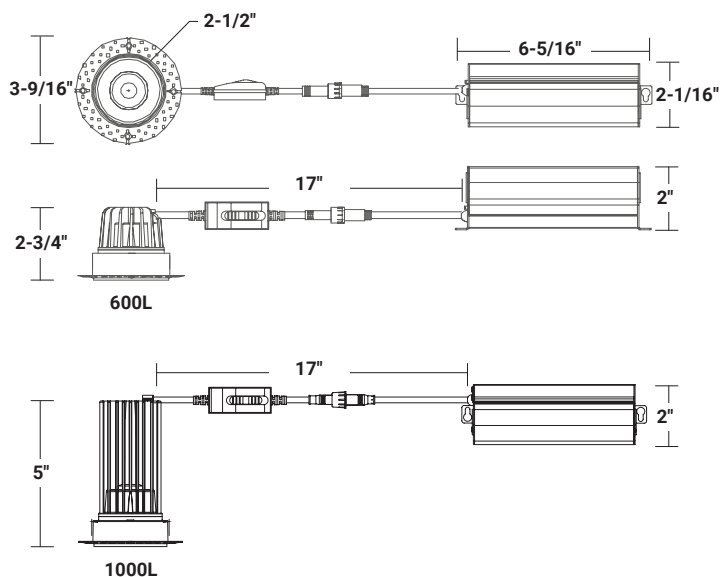




## DIMENSIONS



NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
600L	711L	8W
1000L	1241L	11W

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".

For wet location application, 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. Installation hole size: 2-3/5"

## FEATURES

### SEAMLESS INTEGRATION, RADIANT ILLUMINATION

This 2" canless downlight features a trimless, modular design for easy installation and a regressed lens and smooth reflector for a radiant, glare-free illumination. Engineered for new construction, remodel, or retrofit applications and accommodates insulated and dropped ceilings. Five selectable CCT allow for versatile atmospheres. Ideal for use in lobbies, showrooms, offices, living spaces, hallways, and studios in corporate, residential, commercial, retail healthcare and hospitality spaces. No housing or driver necessary. Wet location and IC rated.

LUMENS	600L, 1000L
CCT	27K/30K/35K/40K/50K
CRI	90+ Standard
COLOR QUALITY	3-Step MacAdam Ellipse
MOUNTING	Recessed Trimless
DIMMING	DIMTR - 10% Triac Dimming
BEAM ANGLE	MD (Medium, 38°), ND (Narrow, 24°) and WD (Wide, 60°)
FINISH	White (W-WH)
WORKING TEMP.	-20°C (-4°F) to 40°C (104°F)
UGR	UGR<19
EMERGENCY	16W High Voltage Inverter (Remote)
LIFETIME	L70 at 50,000 Hours
PHOTOMETRIC	In accordance with IES LM79-08, LM80 and TM-30, TM-21

### OPTICS

Features a slightly regressed polycarbonate lens and smooth reflector for uniform, low-glare illumination.

Available in lumen packages of 600L or 1000L and 5 selectable color temperatures of 2700K/3000K/3500K/4000K/5000K enable different warm to cool moods and atmospheres. CCT factory set to 5000K.

A CRI value of 90 guarantees vibrant, natural color display, while a 38° beam angle makes for a Medium (MD) distribution.

Additional 24° and 60° TIR optics available to order separately.

### CONSTRUCTION

A durable, die-cast aluminum body allows for lightweight installation and thermal regulation. A twist and lock module design allows for easy mounting. A small aperture and shallow depth allow for unlimited applications.

Perforated mesh cover designed for a seamless drywall or plaster mud-in.

Remote steel driver/junction box included. Multi-CCT switch located on cord for remote driver.

Airtight, wet location and IC rated. Available in a white finish.

### MAINTENANCE

Fixture can be regularly and safely wiped down to ensure optimal fixture performance.

### MOUNTING

Suitable for recessed mounting. Recommended hole cut-out size is 2-3/5".

### OPTIONS & ACCESSORIES

Available to order separately:

- 16W emergency battery back-up option
- Optional TIR optics: Narrow (ND) at 24° and Wide (WD) distribution at 60°

Extension cable options:

- **RL-ACC-SLIM-1-10F** (10-ft)
- **RL-ACC-SLIM-1-20F** (20-ft)

Rough Plate options:

- **RL-UNV-2/3/4** for use with 2", 3", and 4" downlights.
- **RL-UNV-1/2/3/4/5/6/8/10** - Universal Mounting Plate for 1", 2", 3", 4", 5", 6", 8" and 10" downlights
- **RL-ACC-SLIM-2-ROUGHPLATE** for use with 2" downlights

See order chart for details.

### DRIVER & ELECTRICAL INFORMATION

Powered by high-quality constant-current power LED drivers which are rated for 50 to 60Hz at 120V-277V input, produce less than 20% THD, and have a power factor of .90 to 1.00.

### DIMMING

DIMTR - 10% Triac dimming at 120V.

### WARRANTY

5-year warranty for parts and components (labor not included).

### LISTINGS

ETL listed.  
Energy Star listed.  
JA8 and Title 24 compliant.  
Wet location suitable.  
IC rated, air-tight, and ready for contact with insulation.

### MULTI-CCT SWITCH



**OPTION & ACCESSORIES**

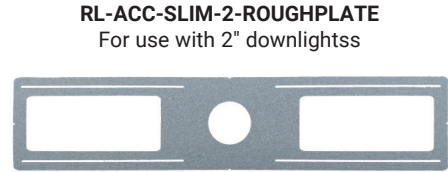
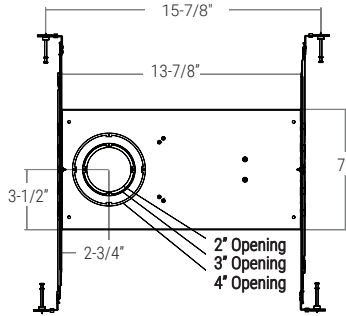


**RL-ACC-SLIM-1-10F**  
10-ft long extension

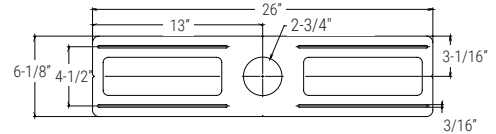
**RL-ACC-SLIM-1-20F**  
20-ft long extension



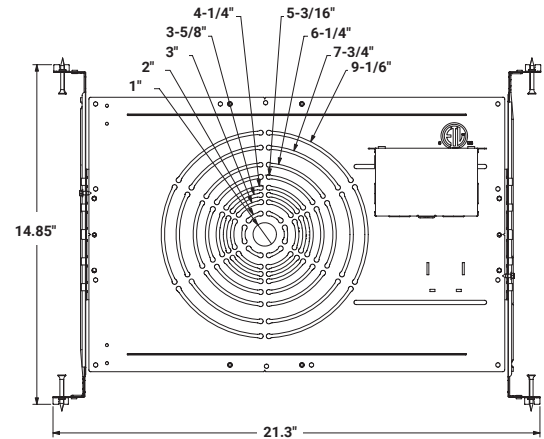
**RL-UNV-2/3/4**  
For use with 2", 3", and 4" downlights



**RL-ACC-SLIM-2-ROUGHPLATE**  
For use with 2" downlightss



**RL-UNV-1/2/3/4/5/6/8/10**  
For use with 1", 2", 3", 4", 5", 6", 8", and 10" downlights



Example: **RL271-TL-1000L-DIMTR-120-27K/30K/35K/40K/50K-90-W-WH**

SERIES	LUMENS	DIMMING	CCT	CRI	FINISH	TIR OPTICS	OPTION
RL271-TL	600L 1000L	DIMTR/120 - Triac	27K/30K/35K/40K/50K	90	W-WH - White	ND (24°) MD (38°) - Included Standard WD (60°)	<b>RL-ACC-SLIM-1-10F</b> - 10-ft long extension <b>RL-ACC-SLIM-1-20F</b> - 20-ft long extension <b>RL-ACC-SLIM-2-ROUGHPLATE</b> - 2" Mounting Plate <b>RL-UNV-2/3/4</b> - Universal Mounting Plate for 2", 3" and 4" <b>RL-UNV-1/2/3/4/5/6/8/10</b> - Universal Mounting Plate for 1", 2", 3", 4", 5", 6", 8" and 10" <b>O-EMG-LED-16W-FLEX</b> - 16W Emergency Back up (Remote)

**RL271-TL-600L-DIMTR-120-27K-30K-35K-40K-50K-90-W-WH**

TEST NO.: **EL11192536**

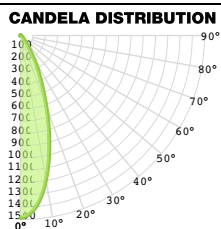
INPUT WATTS: **7.5**

LUMENS: **711**

EFFICACY: **95**

BEAM ANGLE: **36**

SPACING CRITERIA: **0.57**



CANDELA TABLE		
	0°	90°
0°	1487	1487
10°	1195	1163
20°	615	592
30°	226	220
40°	59	57
50°	24	25
60°	12	13
70°	6	7
80°	2	2
90°	0	0

LUMINANCE (cd/sq.m)		
	0.00°	90.00°
0.00°	649370	649370
45.00°	20414	21942
55.00°	12973	13398
65.00°	8979	9770
75.00°	6399	6858
85.00°	2825	390

LUMENS PER ZONE	
ZONE	LUMENS
0° - 10°	128
10° - 20°	251
20° - 30°	185
30° - 40°	80
40° - 50°	30
50° - 60°	17
60° - 70°	9
70° - 80°	5
80° - 90°	1

ZONAL LUMEN SUMMARY		
ZONE	LUMENS	% LUMINAIRE
0° - 20°	379	53%
0° - 30°	564	79%
0° - 40°	644	91%
0° - 60°	691	97%
0° - 80°	705	99%
0° - 90°	706	99%

**CONE OF LIGHT**

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0° -180°	BEAM DIA. 90° -270°
6.0 m	41.3 lx	3.9 m	3.9 m
8.0 m	23.2 lx	5.2 m	5.2 m
10.0 m	14.9 lx	6.4 m	6.5 m
12.0 m	10.3 lx	7.7 m	7.8 m
14.0 m	7.6 lx	9.0 m	9.1 m
16.0 m	5.8 lx	10.3 m	10.4 m
18.0 m	4.6 lx	11.6 m	11.7 m
20.0 m	3.7 lx	12.9 m	13.0 m

**INDOOR COEFFICIENTS OF UTILIZATION**

pf	pc	20%																0%	
		80%				70%				50%				30%					10%
		70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%				
pw																			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99	0%
1	114	111	108	106	111	109	106	105	104	103	101	101	99	98	97	96	95	93	
2	108	104	100	97	106	102	98	95	99	96	93	95	93	91	93	91	89	88	
3	103	97	93	89	101	96	92	88	93	90	87	91	88	85	88	86	84	82	
4	99	92	87	83	97	91	86	82	88	84	81	86	83	80	84	81	79	78	
5	94	87	81	77	93	86	81	77	84	80	76	82	78	75	81	77	75	73	
6	90	82	77	73	89	81	76	72	80	75	72	78	74	71	77	74	71	70	
7	87	78	73	69	85	77	72	69	76	72	68	75	71	68	74	70	67	66	
8	83	74	69	65	82	74	69	65	73	68	65	72	68	64	71	67	64	63	
9	80	71	66	62	79	71	65	62	70	65	62	69	65	62	68	64	61	60	
10	77	68	63	59	76	68	63	59	67	62	59	66	62	59	65	61	59	57	

**RL271-TL-1000L-DIMTR-120-27K-30K-35K-40K-50K-90-W-WH**

TEST NO.: **EL11192536**

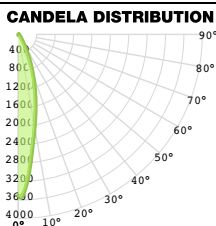
INPUT WATTS: **11.4**

LUMENS: **1241**

EFFICACY: **109**

BEAM ANGLE: **26**

SPACING CRITERIA: **0.40**



CANDELA TABLE		
	0°	90°
0°	3499	3499
10°	2048	2609
20°	941	1314
30°	264	468
40°	85	117
50°	43	58
60°	22	31
70°	11	16
80°	4	5
90°	0	0

LUMINANCE (cd/sq.m)		
	0.00°	90.00°
0.00°	2784654	2784654
45.00°	70579	86630
55.00°	44377	58535
65.00°	30704	40808
75.00°	21854	30915
85.00°	8036	7848

LUMENS PER ZONE	
ZONE	LUMENS
0° - 10°	267
10° - 20°	441
20° - 30°	295
30° - 40°	113
40° - 50°	54
50° - 60°	33
60° - 70°	18
70° - 80°	9
80° - 90°	1

ZONAL LUMEN SUMMARY		
ZONE	LUMENS	% LUMINAIRE
0° - 20°	709	57%
0° - 30°	1004	81%
0° - 40°	1117	90%
0° - 60°	1203	97%
0° - 80°	1230	99%
0° - 90°	1232	99%

**CONE OF LIGHT**

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0° -180°	BEAM DIA. 90° -270°
6.0 m	97.2 lx	2.8 m	2.8 m
8.0 m	54.7 lx	3.7 m	3.7 m
10.0 m	35.0 lx	4.6 m	4.7 m
12.0 m	24.3 lx	5.5 m	5.6 m
14.0 m	17.9 lx	6.4 m	6.5 m
16.0 m	13.7 lx	7.4 m	7.5 m
18.0 m	10.8 lx	8.3 m	8.4 m
20.0 m	8.7 lx	9.2 m	9.4 m

**INDOOR COEFFICIENTS OF UTILIZATION**

pf pc pw	20%																		0%
	80%				70%				50%				30%				10%	0%	
	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	10%	0%		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99	
1	114	111	109	106	111	109	107	105	105	103	101	101	99	98	97	96	95	93	
2	108	104	100	97	106	102	99	96	99	96	94	96	94	92	93	91	90	88	
3	104	98	93	90	102	96	92	89	94	90	87	91	88	86	89	87	84	83	
4	99	92	87	83	97	91	87	83	89	85	82	87	84	81	85	82	80	78	
5	95	88	82	78	93	87	82	78	85	81	77	83	79	77	82	78	76	74	
6	91	83	78	74	90	82	77	74	81	77	73	80	76	73	78	75	72	71	
7	88	79	74	70	86	79	74	70	77	73	70	76	72	69	75	72	69	68	
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	72	69	66	65	
9	81	73	68	64	80	72	67	64	71	67	64	70	66	63	70	66	63	62	
10	78	70	65	61	77	69	65	61	69	64	61	68	64	61	67	63	61	60	