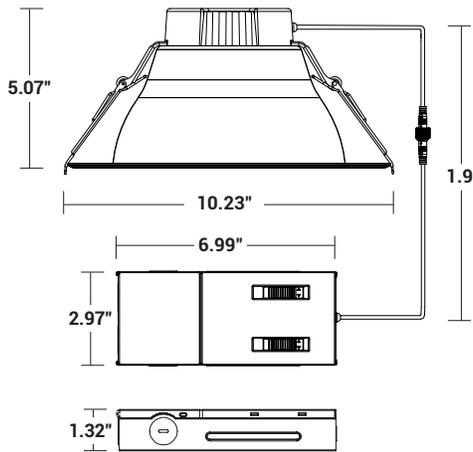




DIMENSIONS



Recommended Hole Cut-out Size: 8"

NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
2500L	2798L	26W
2000L	2114L	20W
1500L	1581L	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".

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: 8"

FEATURES

This 8" LED "Canless" downlight is engineered for new construction, remodel, or retrofit applications. It accommodates insulated and dropped ceilings, and features switchable multi-lumen and multi-CCT and dual dimming for versatile function. Recessed housing not required.

Ideal for improved general lighting in corporate, commercial, retail, and hospitality spaces. Suitable for both indoor and shower use.

IC rated, airtight, and ready to be in contact with insulation.

LUMENS	1500L/2000L/2500L
CCT	27K/30K/35K/40K/50K
CRI	90+ Standard
COLOR QUALITY	3-Step MacAdam Ellipse
MOUNTING	Recessed
DIMMING	DIM10 - 0-10V 1% Flicker-free Dimming, DIMTR - 5% Triac Dimming at 120V
BEAM ANGLE	Very Wide (VWD) at 90°
FINISH	White (W) Standard
TRIM FINISH	Black (BK), Satin Haze (SH), White (WH), Clear (CL)
WORKING TEMP.	-25°C (-13°F) to 40°C (104°F)
UGR	UGR<19
EMERGENCY	EMG-LED-G-16W-HV-FLEX (Remote) EMG-LED-G-25W-HV-FLEX (Remote)
LIFETIME	L70 at 50,000 Hours
PHOTOMETRIC	In accordance with IES LM79-08, LM80 and TM-30, TM-21



OPTICS

Features a regressed, frosted polycarbonate lens for optimal beam diffusion and a reflector for smooth, glare-free illumination. Features a UGR<19, and a wide (WD) distribution.

Highly effective, micro-power LEDs allow for excellent and energy efficient performance.

Five selectable color temperatures of 27K/30K/35K/40K/50K enable different warm to cool moods and atmospheres. A selectable lumen package of 1500L/2000L/2500L allows for customizable intensity, for a variety of uses.

CCT factory set to 5000K; lumen factory set to 2500L.

CONSTRUCTION

Housing built from spun aluminum for a lightweight durability and optimal heat conduction.

IC rated, air-tight, and ready for contact with insulation. Completely sealed for use in wet locations.

Pre-installed spring clips allow for easy and fast "snap-in" recessed installation.

Multi-lumen and multi-CCT switches located on remote driver box.

Available in a white finish.

MAINTENANCE

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

MOUNTING

Suitable for Recessed Mounting in remodel and new construction applications. Meant to be installed in 8" hole. No recessed housing necessary.

OPTIONS & ACCESSORIES

1.9 ft power cable and remote driver included.

Available to order separately:

- Various colored Baffle, Reflector, and Trim options
- 16W and 25W Emergency Battery Back-up options

Extension cable options:

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

Rough Plate options:

- **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-8-ROUGHPLATE** for use with 8" 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-347V input, produce less than 20% THD, and have a power factor of .90 to 1.00.

DIMMING

Available with dual dimming:

DIM10 - Flicker-free 1% dimming at 120-347V.

DIMTR - 5% Triac & electronic low voltage dimming. Available in 120V.

WARRANTY

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

LISTINGS

ETL listed.

Energy Star certified.

JA8 and Title 20 compliant.

Wet location suitable.

IC-Rated, air-tight ready, and may be in direct contact with insulation.

MULTI-LUMEN & MULTI-CCT SWITCH



TRIM OPTIONS

BAFFLE TRIMS



RL843-BT-MB-BK
Black - Black



RL843-BT-SHZ-SHZ
Satin Haze - Satin Haze



RL843-BT-SHZ-WH
Satin Haze - White

REFLECTOR TRIMS



RL843-RT-MB-BK
Black - Black



RL843-RT-SHZ-SHZ
Satin Haze - Satin Haze



RL843-RT-SHZ-WH
Satin Haze - White



RL843-RT-CL-WH
Clear - White

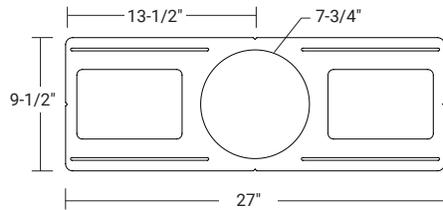
OPTION & ACCESSORIES



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

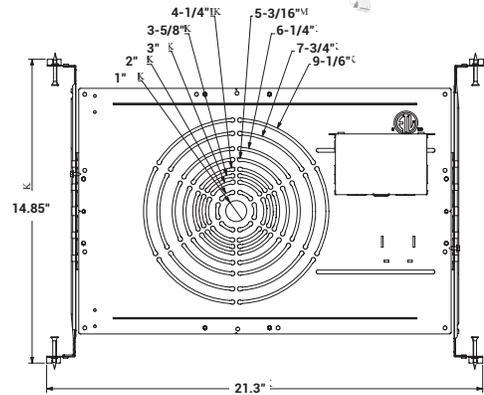
RL-ACC-SLIM-1-20F
20-ft long extension

RL-ACC-SLIM-8-ROUGHPLATE
For 8" downlights



RL-UNV-1/2/3/4/5/6/8/10

For use with 1", 2", 3", 4", 5", 6", 8", and 10" downlights



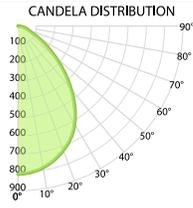
Example: **RCL843-1500L/2000L/2500L-DIMTR/120-DIM10/120-347V-27K/30K/35K/40K/50K-W-WH**

RCL843						
SERIES	LUMENS	DIMMING	CCT	CRI	FINISH	OPTION
RCL843	1500L/2000L/2500L	DIMTR/120-DIM10/120-347V (Triac/0-10V)	27K/30K/35K/40K/50K	90	W-WH - White	RL-ACC-SLIM-1-10F - 10-ft long extension RL-ACC-SLIM-1-20F - 20-ft long extension RL-UNV-1/2/3/4/5/6/8/10 - Universal Mounting Plate for 1", 2", 3", 4", 5", 6", 8" and 10" RL-ACC-SLIM-8-ROUGHPLATE - 8" Mounting Plate 0-EMG-LED-16W-FLEX - 16W Emergency Back up (Remote) 0-EMG-LED-25W-FLEX - 25W Emergency Back up (Remote)
TRIM OPTION						
RL843-BT-MB-BK RL843-BT-SHZ-SHZ RL843-BT-SHZ-WH RL843-RT-MB-BK RL843-RT-SHZ-SHZ RL843-RT-SHZ-WH RL843-RT-CL-WH						

RCL843-1500L-2000L-2500L-DIMTR-120-DIM10-120-347V-27K-30K-35K-40K-50K-W-WH(1500L)

TEST NO.: EL08052509

INPUT WATTS:14.4 LUMENS:1581 EFFICACY: 110 BEAM ANGLE:87 SPACING CRITERIA: 1.14



CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	22.5 fc	11.4 ft	11.4 ft
8.0 ft	12.7 fc	15.2 ft	15.2 ft
10.0 ft	8.1 fc	19.0 ft	19.0 ft
12.0 ft	5.6 fc	22.8 ft	22.8 ft
14.0 ft	4.1 fc	26.6 ft	26.6 ft
16.0 ft	3.2 fc	30.4 ft	30.4 ft
18.0 ft	2.5 fc	34.1 ft	34.2 ft
20.0 ft	2.0 fc	37.9 ft	38.0 ft

CANDELA TABLE		0°		90°	
0°	810	810			
10°	786	790			
20°	723	731			
30°	617	634			
40°	451	476			
50°	270	297			
60°	126	144			
70°	56	62			
80°	24	30			
90°	0	0			

LUMINANCE (cd/sq.m)		0.00°		90.00°	
0.00°	22646	22646			
45.00°	14192	15245			
55.00°	9327	10468			
65.00°	5201	5985			
75.00°	4375	4943			
85.00°	2405	4607			

LUMENS PER ZONE		ZONE		LUMENS	
0° - 10°	76				
10° - 20°	215				
20° - 30°	315				
30° - 40°	345				
40° - 50°	291				
50° - 60°	187				
60° - 70°	91				
70° - 80°	47				
80° - 90°	13				

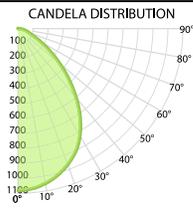
ZONAL LUMEN SUMMARY		
ZONE	LUMENS	% LUMINAIRE
0° - 20°	292	18%
0° - 30°	607	38%
0° - 40°	952	60%
0° - 60°	1431	90%
0° - 80°	1568	99%
0° - 90°	1581	100%

pf	pc	INDOOR COEFFICIENTS OF UTILIZATION												0%										
		80%			70%			20%			50%				30%			10%						
pw		70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	0%
0	119	119	119	119	119	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100	100	100	0%
1	111	107	103	100	108	105	101	99	100	98	96	97	95	93	93	91	90	88	88	88	88	88	88	0%
2	103	96	90	85	100	94	89	84	90	86	82	87	84	80	84	81	79	77	77	77	77	77	77	0%
3	95	86	79	73	93	84	78	73	81	76	71	79	74	70	76	72	69	67	67	67	67	67	67	0%
4	88	77	70	64	86	76	69	64	74	68	63	72	66	62	70	65	61	59	59	59	59	59	59	0%
5	82	70	62	56	80	69	62	56	67	61	56	65	60	55	64	59	55	53	53	53	53	53	53	0%
6	76	64	56	50	74	63	56	50	61	55	50	60	54	49	58	53	49	47	47	47	47	47	47	0%
7	71	59	51	45	69	58	50	45	56	50	45	55	49	44	54	48	44	42	42	42	42	42	42	0%
8	66	54	46	41	65	53	46	41	52	45	41	51	45	40	50	44	40	38	38	38	38	38	38	0%
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35	35	35	35	35	35	0%
10	58	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32	32	32	32	32	32	0%

RCL843-1500L-2000L-2500L-DIMTR-120-DIM10-120-347V-27K-30K-35K-40K-50K-W-WH(2000L)

TEST NO.: EL08052509

INPUT WATTS:19.2 LUMENS:2114 EFFICACY: 110 BEAM ANGLE:87 SPACING CRITERIA: 1.14



CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	30.1 fc	11.4 ft	11.4 ft
8.0 ft	16.9 fc	15.2 ft	15.2 ft
10.0 ft	10.8 fc	19.0 ft	19.0 ft
12.0 ft	7.5 fc	22.8 ft	22.8 ft
14.0 ft	5.5 fc	26.6 ft	26.6 ft
16.0 ft	4.2 fc	30.4 ft	30.4 ft
18.0 ft	3.3 fc	34.2 ft	34.2 ft
20.0 ft	2.7 fc	38.0 ft	38.0 ft

CANDELA TABLE		0°		90°	
0°	1082	1082			
10°	1051	1056			
20°	967	978			
30°	825	846			
40°	603	637			
50°	362	396			
60°	169	193			
70°	75	82			
80°	33	40			
90°	1	0			

LUMINANCE (cd/sq.m)		0.00°		90.00°	
0.00°	30271	30271			
45.00°	18973	20433			
55.00°	12513	13990			
65.00°	6947	8014			
75.00°	5857	6617			
85.00°	3227	6172			

LUMENS PER ZONE		ZONE		LUMENS	
0° - 10°	102				
10° - 20°	288				
20° - 30°	421				
30° - 40°	462				
40° - 50°	389				
50° - 60°	251				
60° - 70°	121				
70° - 80°	62				
80° - 90°	18				

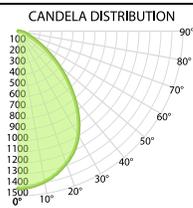
ZONAL LUMEN SUMMARY		
ZONE	LUMENS	% LUMINAIRE
0° - 20°	390	18%
0° - 30°	811	38%
0° - 40°	1273	60%
0° - 60°	1913	90%
0° - 80°	2096	99%
0° - 90°	2114	100%

pf	pc	INDOOR COEFFICIENTS OF UTILIZATION												0%										
		80%			70%			20%			50%				30%			10%						
pw		70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	0%
0	119	119	119	119	119	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100	100	100	0%
1	111	107	103	100	108	105	101	99	100	98	96	97	95	93	93	91	90	88	88	88	88	88	88	0%
2	103	96	90	85	100	94	89	84	90	86	82	87	84	80	84	81	79	77	77	77	77	77	77	0%
3	95	86	79	73	93	84	78	73	81	76	71	79	74	70	76	72	69	67	67	67	67	67	67	0%
4	88	77	70	64	86	76	69	64	74	68	63	72	66	62	70	65	61	59	59	59	59	59	59	0%
5	82	70	62	56	80	69	62	56	67	61	56	65	60	55	64	59	55	53	53	53	53	53	53	0%
6	76	64	56	50	74	63	56	50	61	55	50	60	54	49	58	53	49	47	47	47	47	47	47	0%
7	71	59	51	45	69	58	50	45	56	50	45	55	49	44	54	48	44	42	42	42	42	42	42	0%
8	66	54	46	41	65	53	46	41	52	45	41	51	45	40	50	44	40	38	38	38	38	38	38	0%
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35	35	35	35	35	35	0%
10	58	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32	32	32	32	32	32	0%

RCL843-1500L-2000L-2500L-DIMTR-120-DIM10-120-347V-27K-30K-35K-40K-50K-W-WH(2500L)

TEST NO.: EL08052509

INPUT WATTS:25.9 LUMENS:2798 EFFICACY: 108 BEAM ANGLE:87 SPACING CRITERIA: 1.14



CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	39.8 fc	11.4 ft	11.4 ft
8.0 ft	22.4 fc	15.2 ft	15.2 ft
10.0 ft	14.3 fc	19.0 ft	19.0 ft
12.0 ft	9.9 fc	22.8 ft	22.8 ft
14.0 ft	7.3 fc	26.6 ft	26.6 ft
16.0 ft	5.6 fc	30.4 ft	30.4 ft
18.0 ft	4.4 fc	34.2 ft	34.2 ft
20.0 ft	3.6 fc	38.0 ft	38.0 ft

CANDELA TABLE		0°		90°	
0°	1432	1432			
10°	1391	1398			
20°	1279	1294			
30°	1093	1122			
40°	798	843			
50°	479	526			
60°	224	256			
70°	99	109			
80°	43	54			
90°	1	1			

LUMINANCE (cd/sq.m)		0.00°		90.00°	
0.00°	40061	40061			
45.00°	25160	27041			
55.00°	16565	18533			
65.00°	9210	10604			
75.00°	7776	8767			
85.00°	4286	8220			

LUMENS PER ZONE		ZONE		LUMENS	
0° - 10°	135				
10° - 20°	381				
20° - 30°	558				
30° - 40°	611				
40° - 50°	515				
50° - 60°	332				
60° - 70°	160				
70° - 80°	83				
80° - 90°	24				

ZONAL LUMEN SUMMARY		
ZONE	LUMENS	% LUMINAIRE
0° - 20°	516</	