



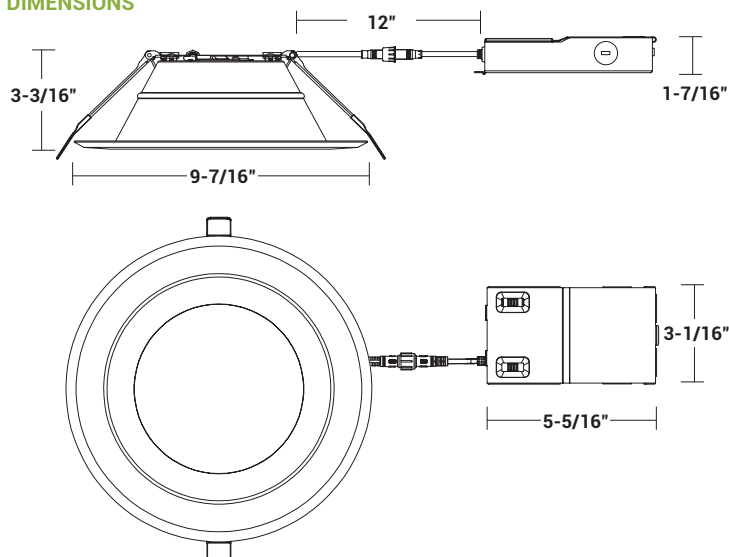
**MULTILUMEN
SELECTOR**

**EASY 5 COLORS
SELECTOR**
2700K • 3000K • 3500K • 4000K • 5000K

2-HOUR FIRE RATING

Tested to comply with UL 263, ASTM E119 & CAN ULC S101

DIMENSIONS



Recommended Hole Cut-out Size: 7-1/2"

NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
2400L	2614L	20W
2700L	2920L	23W
3000L	3301L	26W

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.

FEATURES

SAFETY AND SOPHISTICATION

This 8", 2-hour fire rated downlight features a recessed design and regressed lens for a modern, low-glare look that capitalizes on both safety and aesthetics. 0-10V dimming, and selectable lumen and CCT options make for versatile application and are easily accessed by lowering the luminaire from the ceiling. Ideal for general lighting in recessed retrofit, remodel, and new construction applications in apartments, dormitories, corporate commercial, retail, and hospitality spaces.

Remote driver and small aperture allow for easy installation. Accommodates low plenum spaces and insulated and dropped ceilings. No housing necessary.

LUMENS	2400L/2700L/3000L
CCT	27K/30K/35K/40K/50K
CRI	90+ Standard
COLOR QUALITY	3-Step MacAdam Ellipse
MOUNTING	Recessed
DIMMING	DIM10 - 0-10V Flicker-free 1% Dimming
BEAM ANGLE	Very Wide (VWD) at 85°
FINISH	White (WH) Standard
TRIM COLOR	White (W)
WORKING TEMP.	-20°C (-4°F) to 40°C (104°F)
EMERGENCY	15W High Voltage Inverter (Remote)
LIFETIME	L70 at 50,000 Hours
PHOTOMETRIC	In accordance with IES LM79-08, LM80 and TM-30, TM-21

- Can be installed in shallow plenum spaces
- May be installed in drywall or suspended ceilings
- Even illumination achieved with patent-pending optics and edge-lit LED technology
- Ideal where ceiling or top access is unavailable



OPTICS

Features a regressed polycarbonate lens and reflector for an optimal, glare-free beam.

A beam angle of 85° translates to a Very Wide indoor distribution (VWD), for broad reaching illumination.

Available in a lumen set of 2400L/2700L/3000L and with 5 selectable CCT options of 27K/30K/35K/40K/50K for selectable warm to cool color atmospheres.

CCT factory set to 5000K; lumen factory set to 3000L.

CONSTRUCTION

Housing and reflector made from a durable, lightweight spun iron. A reinforced and heat resistant steel casing ensures a 2-hour fire rating.

A slim profile and remote driver allows for use in low plenum spaces. Pre-installed torsion clips allow for easy and fast recessed installation; no recessed housing necessary.

Junction box with commercial grade driver included. Lumen and CCT switch located on driver.

Sealed for wet location use. Airtight, non-IC rated.

Available in a trademark red housing with a white trim finish.

MAINTENANCE

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

MOUNTING

Suitable for recessed mounting in retrofit, remodel, and new construction applications. Ideal where ceiling or top access is unavailable. Compatible with various rough plates for new construction use. 7-1/2" installation hole size.

OPTIONS & ACCESSORIES

Available to order with 15W emergency battery backup option.

Extension cable options:

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

Rough plate options:

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

DIM10 - 0-10V 1% Dimming at 120-277V.

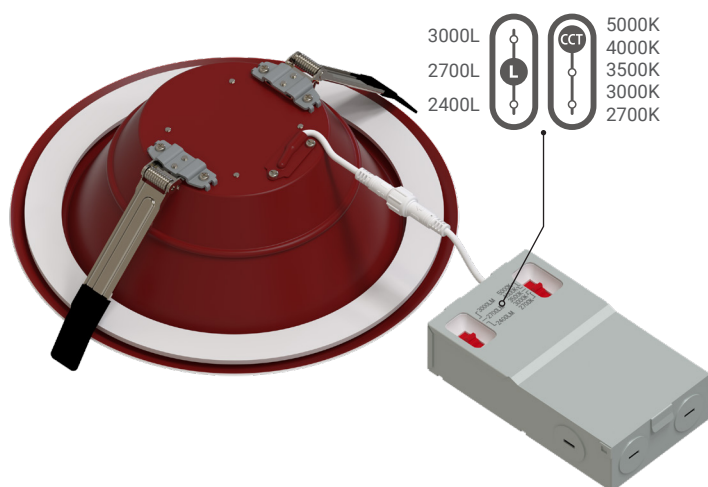
WARRANTY

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

LISTINGS

UL listed.
Energy Star certified.
Wet location suitable.
Title 24 and JA8 compliant.
Non-IC rated.
2-hour fire rating complies with ASTM E119, UL263. Certified to CSA standard C22.2 No. 250.0-08.

MULTI-LUMEN & MULTI-CCT SWITCHES



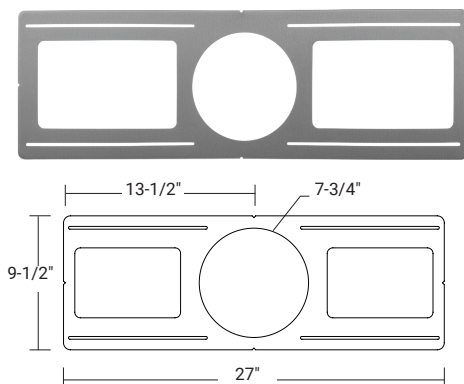
OPTION & ACCESSORIES



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

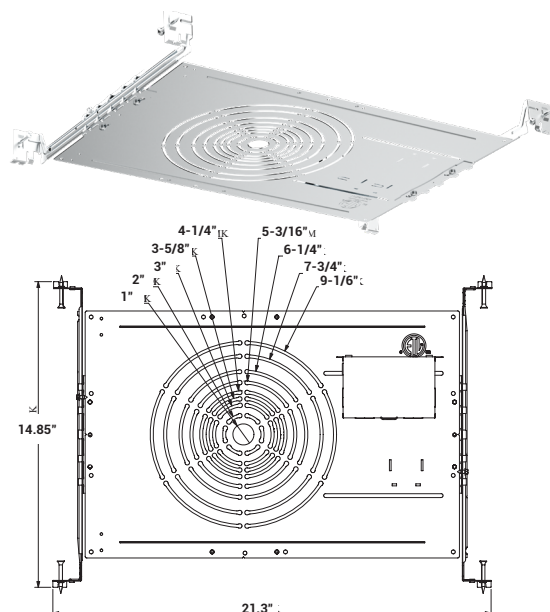
RL-ACC-SLIM-1-20F
20-ft long extension

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: **FS-RL844-2400L/2700L/3000L-DIM10-MVOLT-27K/30K/35K/40K/50K-90-W-WH**

FS-RL844					
SERIES	LUMENS	DIMMING	CCT	FINISH	OPTION / ACCESSORIES
FS-RL844	2400L/2700L/3000L	DIM10/MVOLT	27K/30K/35K/40K/50K	W-WH - White	RL-ACC-SLIM-1-10F - 10-ft long extension RL-ACC-SLIM-1-20F - 20-ft long extension RL-ACC-SLIM-8-ROUGHPLATE - 8" Mounting Plate RL-UNV-1/2/3/4/5/6/8/10 - Universal Mounting Plate for 1", 2", 3", 4", 5", 6", 8" and 10" O-EMG-LED-JBOX-15W-FLEX (Remote) - 15W Emergency Back up (Remote)

FS-RL844-2400L-2700L-3000L-DIM10-MVOLT-27K-30K-35K-40K-50K-90-W-WH(2400L)

TEST NO.: **EL08142421**

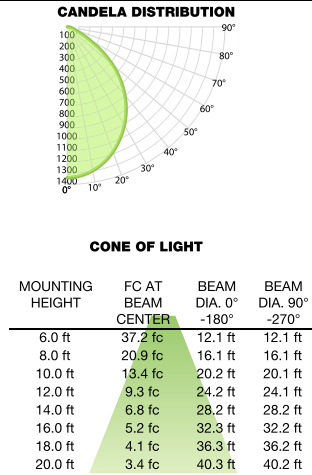
INPUT WATTS: **19.9**

LUMENS: **2614**

EFFICACY: **131**

BEAM ANGLE: **90**

SPACING CRITERIA: **1.13**



CANDELA TABLE		LUMINANCE (cd/sq.m)		LUMENS PER ZONE		ZONAL LUMEN SUMMARY		
	0° 90°	0.00° 90.00°		ZONE	LUMENS	ZONE	LUMENS	% LUMINAIRE
0°	1340 1340	0.00° 37483 37483		0° - 10°	133	0° - 20°	484	19%
10°	1298 1301	45.00° 26355 27271		10° - 20°	351	0° - 30°	991	38%
20°	1183 1192	55.00° 17851 19517		20° - 30°	507	0° - 40°	1560	60%
30°	1011 1025	65.00° 7603 8457		30° - 40°	569	0° - 50°	2416	92%
40°	794 812	75.00° 4635 4976		40° - 50°	516	0° - 60°	2599	99%
50°	525 553	85.00° 2924 3957		50° - 60°	340	0° - 70°	2613	100%
60°	214 244			60° - 70°	133			
70°	68 74			70° - 80°	50			
80°	25 29			80° - 90°	14			
90°	0 0							

INDOOR COEFFICIENTS OF UTILIZATION																	
		20%		50%		70%		80%		90%		10%		20%		30%	
pc	pw	70%	50%	30%	10%	70%	50%	30%	10%	70%	50%	30%	10%	70%	50%	30%	10%
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	111	107	104	101	109	105	102	99	101	98	96	97	95	93	94	92	91
2	103	96	91	86	101	94	89	85	91	87	83	88	84	81	85	82	79
3	95	86	80	74	93	85	79	74	82	77	72	79	75	71	77	73	70
4	88	78	70	65	86	77	70	64	74	68	63	72	67	63	70	66	62
5	82	71	63	57	80	70	62	57	68	61	56	66	60	56	64	59	55
6	76	64	56	51	74	63	56	50	62	55	50	60	54	50	59	53	49
7	71	59	51	45	69	58	51	45	57	50	45	55	49	45	54	49	44
8	66	54	46	41	65	53	46	41	52	46	41	51	45	41	50	44	40
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34

FS-RL844-2400L-2700L-3000L-DIM10-MVOLT-27K-30K-35K-40K-50K-90-W-WH(2700L)

TEST NO.: **EL08142421**

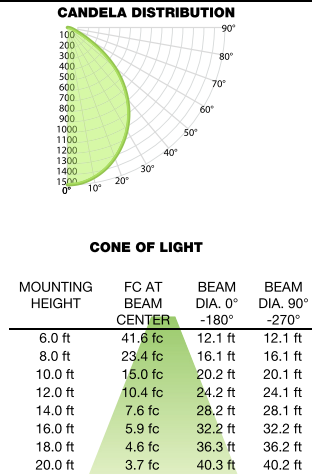
INPUT WATTS: **22.5**

LUMENS: **2920**

EFFICACY: **130**

BEAM ANGLE: **90**

SPACING CRITERIA: **1.13**



CANDELA TABLE		LUMINANCE (cd/sq.m)		LUMENS PER ZONE		ZONAL LUMEN SUMMARY		
	0° 90°	0.00° 90.00°		ZONE	LUMENS	ZONE	LUMENS	% LUMINAIRE
0°	1498 1498	0.00° 41906 41906		0° - 10°	149	0° - 20°	541	19%
10°	1451 1454	45.00° 29481 30430		10° - 20°	392	0° - 30°	1108	38%
20°	1321 1332	55.00° 19985 21768		20° - 30°	567	0° - 40°	1743	60%
30°	1132 1145	65.00° 8425 9408		30° - 40°	635	0° - 50°	2699	92%
40°	888 907	75.00° 5177 5546		40° - 50°	577	0° - 60°	2904	99%
50°	587 618	85.00° 3270 4409		50° - 60°	379	0° - 70°	2919	100%
60°	240 272			60° - 70°	149			
70°	76 83			70° - 80°	55			
80°	28 32			80° - 90°	15			
90°	0 0							

INDOOR COEFFICIENTS OF UTILIZATION																	
		20%		50%		70%		80%		90%		10%		20%		30%	
pc	pw	70%	50%	30%	10%	70%	50%	30%	10%	70%	50%	30%	10%	70%	50%	30%	10%
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	111	107	104	101	109	105	102	99	101	98	96	97	95	93	94	92	91
2	103	96	91	86	101	94	89	85	91	87	83	88	84	81	85	82	79
3	95	86	80	74	93	85	79	74	82	77	72	79	75	71	77	73	70
4	88	78	70	65	86	77	70	64	74	68	63	72	67	63	70	66	62
5	82	71	63	57	80	70	62	57	68	61	56	66	60	56	64	59	55
6	76	64	56	51	74	63	56	50	62	55	50	60	54	50	59	53	49
7	71	59	51	45	69	58	51	45	57	50	45	55	49	45	54	49	44
8	66	54	46	41	65	53	46	41	52	46	41	51	45	41	50	44	40
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34

FS-RL844-2400L-2700L-3000L-DIM10-MVOLT-27K-30K-35K-40K-50K-90-W-WH(3000L)

TEST NO.: **EL08142421**

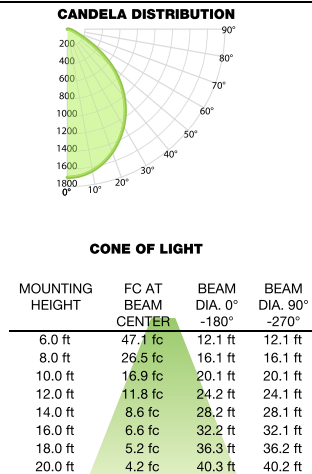
INPUT WATTS: **26.1**

LUMENS: **3301**

EFFICACY: **126**

BEAM ANGLE: **90**

SPACING CRITERIA: **1.13**



CANDELA TABLE		LUMINANCE (cd/sq.m)		LUMENS PER ZONE		ZONAL LUMEN SUMMARY		
	0° 90°	0.00° 90.00°		ZONE	LUMENS	ZONE	LUMENS	% LUMINAIRE
0°	1695 1695	0.00° 47402 47402		0° - 10°	169	0° - 20°	612	19%
10°	1642 1643	45.00° 33378 34360		10° - 20°	443	0° - 30°	1253	38%
20°	1496 1506	55.00° 22627 24511		20° - 30°	641	0° - 40°	1971	60%
30°	1280 1294	65.00° 9495 10592		30° - 40°	718	0° - 50°	3052	92%
40°	1004 1024	75.00° 5864 6252		40° - 50°	652	0° - 60°	3282	99%
50°	665 697	85.00° 3726 4952		50° - 60°	428	0° - 70°	3300	100%
60°	271 307			60° - 70°	168			
70°	86 93			70° - 80°	63			
80°	32 36			80° - 90°	17			
90°	0 0							

		INDOOR COEFFICIENTS OF UTILIZATION																		
pf	pc	20%																0%		
		80%				70%				50%				30%				10%		0%
pw		70%	50%	30%	10%	70%	50%	30%	10%	70%	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	102	100	
1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89		
2	103	96	91	86	101	94	89	85	91	87	83	88	84	81	85	82	79	78		
3	95	86	80	74	93	85	79	74	82	77	72	79	75	71	77	73	70	68		
4	88	78	70	65	86	77	70	64	74	68	63	72	67	63	70	66	62	60		
5	82	71	63	57	80	70	62	57	68	61	56	66	60	56	64	59	55	53		
6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	47		
7	71	59	51	45	69	58	51	45	57	50	45	55	49	45	54	49	44	43		
8	66	54	46	41	65	53	46	41	52	46	41	51	45	41	50	44	40	39		
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35		
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32		