



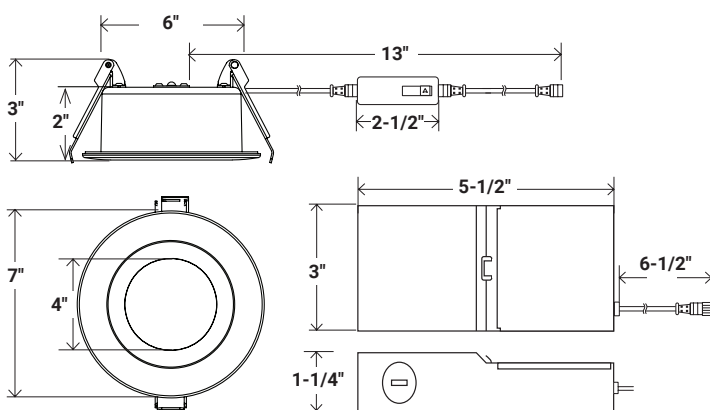
**MULTILUMEN
SELECTOR**

**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: 6.3"

NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
900L	1080L	11W
1100L	1379L	13W
1300L	1571L	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.



FEATURES

This 6" LED canless downlight boasts the dual advantage of a 2-hour fire rating and a slim profile to help prevent fire-spread and fit limited plenum applications. A remote driver and easy access to lumen and color selector switches allows for easy maintenance and installation.

Engineered for new construction, remodel, or retrofit applications, and accommodates dropped ceilings. Ideal for use in office buildings, hospitals, hotels, dormitories, apartments, shopping malls in commercial, residential or hospitality settings. Recessed housing not required. IC and wet location rated.

LUMENS	900L/1100L/1300L
CCT	27K/30K/35K/40K/50K
CRI	90+ Standard
COLOR QUALITY	3-Step MacAdam Ellipse
MOUNTING	Recessed
DIMMING	Dual Dimming: DIMTR (Triac) at 120V, DIM10 0-10V Dimming at 120-277V
BEAM ANGLE	Very Wide (VWD) at 105°
TRIM TYPE	Round Reflector
TRIM COLORS	White (W-WH)
WORKING TEMP.	-20°C (-4°F) to 40°C (104°F)
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

- Can be installed in shallow plenum spaces
- May be installed in drywall or suspended ceilings
- Flicker-free 120V forward-phase Triac dimming down to 10%
- Even illumination achieved with patent-pending optics and edge-lit LED technology
- Ideal where ceiling or top access is unavailable

OPTICS

Features a reflector trim and frosted lens to help deliver smooth, even illumination.

A beam angle of 105° translates to a Very Wide indoor distribution (VWD), for broad reaching illumination.

Five selectable color temperatures of 27K/30K/35K/40K/50K enable different warm to cool moods and atmospheres. A selectable lumen package of 900L/1100L/1300L allows for customizable intensity, for a variety of uses.

CCT factory set to 5000K; lumen factory set to 1300L.

CONSTRUCTION

Durable steel body and trim. Boasts a 2-hour fire rated design comprised of a reinforced heat resistant steel casing and built-in ceramic fiber insulation.

Painted with a powder coat finish to prevent rust and discoloration.

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

Features a small aperture and shallow depth, ideal for unlimited applications. Includes pre-installed commercial grade spring clips for quick and easy installation. Junction box with commercial grade driver included.

Multi-lumen and Multi-CCT switches located on cable and can be easily accessed by lowering the luminaire from the ceiling.

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 and new construction applications. Meant to be installed in 6" hole. No recessed housing necessary.

OPTIONS & ACCESSORIES

Available to order with 16W 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-UNV-4/5/6** for use with 4", 5", and 6" downlights
- **AL-ACC-SLIM-6-F-ROUGHPLATE** for use with 6" downlights
- **RL-ACC-SLIM-6-ROUGHPLATE** for use with 6" 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 - Flicker Free 10% Dimming Standard (DIM10) 0-10V dimming on either MVOLT 120, 277V.

DIMTR - 10% Triac dimming at 120V.

WARRANTY

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

LISTINGS

ETL listed.

Energy Star certified.

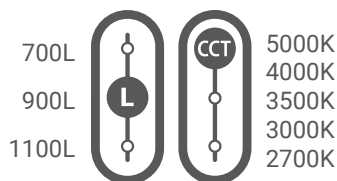
Wet location rated.

Title 24 and JA8 compliant.

Airtight, IC rated, and ready for contact with installation.

2-hour fire rating complies with ASTM E119, UL263. Certified to CSA standard C22.2 No. 250.0-08.

MULTI-LUMEN & MULTI-CCT SWITCHES



ACCESSORIES

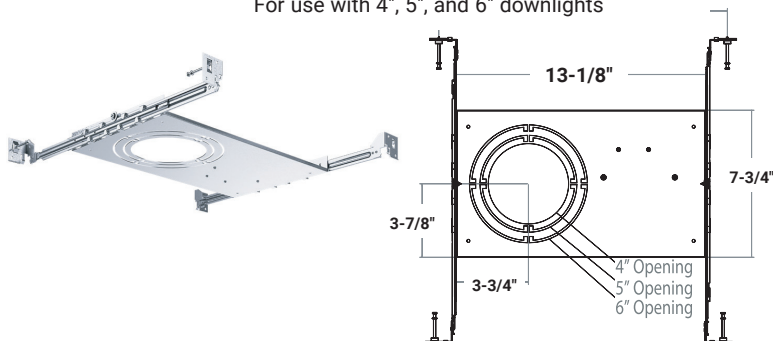


RL-ACC-SLIM-1-10F
10-ft long extension

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

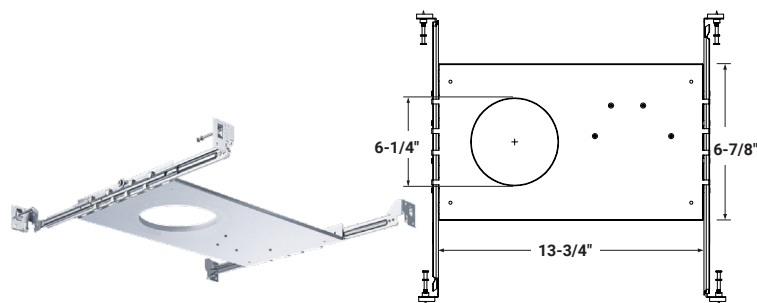
RL-UNV-4/5/6

For use with 4", 5", and 6" downlights



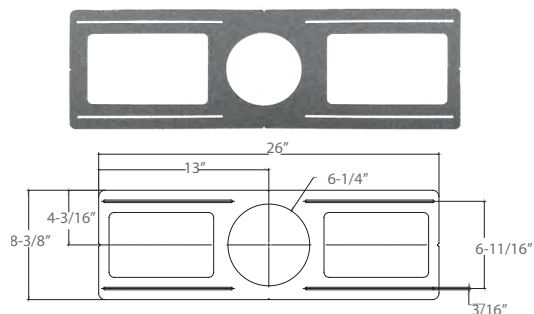
AL-ACC-SLIM-6-ROUGHPLATE

For 6" downlights



RL-ACC-SLIM-6-ROUGHPLATE

For 6" downlights



Example: **FS-RL640-900L/1100L/1300L-DIMTR/120-DIM10/MVOLT-27K/30K/35K/40K/50K-W-WH**

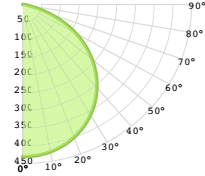
SERIES	LUMENS	DIMMING	CCT	FINISH	OPTION / ACCESSORIES
FS-RL640	900L/1100L/1300L	DIMTR/120 - Triac DIM10/MVOLT - 0-10V	27K/30K/35K/40K/50K	W-WH - White	RL-ACC-SLIM-1-10F - 10-ft long extension RL-ACC-SLIM-1-20F - 20-ft long extension RL-UNV-4/5/6 - Universal Mounting Plate for 4", 5" and 6" AL-ACC-SLIM-6-F-ROUGHPLATE - 6" Flanged Roughplate RL-ACC-SLIM-6-ROUGHPLATE - 6" Mounting Plate O-EMG-LED-16W-FLEX - 16W Emergency Back up (Remote)

FS-RL640-900L/1100L/1300L-DIMTR-120/MVOLT-27K/30K/35K/40K/50K-W-WH (900L)

TEST NO.: **EL10272524**

INPUT WATTS: **10.4** LUMENS: **1080** EFFICACY: **104** BEAM ANGLE: **105** SPACING CRITERIA: **1.24 x 1.24**

CANDELA DISTRIBUTION



CANDELA TABLE

	0°	90°
0°	430	430
10°	423	424
20°	400	401
30°	361	362
40°	307	307
50°	241	241
60°	163	162
70°	77	75
80°	14	14
90°	0	0

LUMINANCE (cd/sq.m)

	0.00°	90.00°
0.00°	32432	32432
45.00°	29302	29372
55.00°	26713	26681
65.00°	21480	21146
75.00°	10663	10156
85.00°	5818	5550

LUMENS PER ZONE

ZONE	LUMENS
0° - 10°	41
10° - 20°	116
20° - 30°	175
30° - 40°	207
40° - 50°	208
50° - 60°	176
60° - 70°	113
70° - 80°	37
80° - 90°	6

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LUMINAIRE
0° - 20°	157	15%
0° - 30°	332	31%
0° - 40°	539	50%
0° - 60°	924	86%
0° - 80°	1074	99%
0° - 90°	1080	100%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0° -180°	BEAM DIA. 90° -270°
6.0 m	12.0 lx	15.8 m	15.8 m
8.0 m	6.7 lx	21.0 m	21.1 m
10.0 m	4.3 lx	26.3 m	26.3 m
12.0 m	3.0 lx	31.5 m	31.6 m
14.0 m	2.2 lx	36.8 m	36.9 m
16.0 m	1.7 lx	42.0 m	42.1 m
18.0 m	1.3 lx	47.3 m	47.4 m
20.0 m	1.1 lx	52.5 m	52.7 m

INDOOR COEFFICIENTS OF UTILIZATION

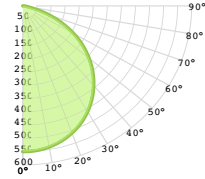
pc	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
pw	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	110	106	102	99	107	104	100	97	99	97	94	96	93	91	92	90	88	86
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	76	73
3	92	83	75	69	90	81	74	68	78	72	67	75	70	66	73	69	65	63
4	85	74	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47
6	72	59	51	45	70	59	50	45	57	50	44	55	49	44	54	48	43	41
7	67	54	46	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37
8	63	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	27

FS-RL640-900L/1100L/1300L-DIMTR-120/MVOLT-27K/30K/35K/40K/50K-W-WH (1100L)

TEST NO.: **EL10272524**

INPUT WATTS: **13.5** LUMENS: **1379** EFFICACY: **102** BEAM ANGLE: **105** SPACING CRITERIA: **1.24 x 1.24**

CANDELA DISTRIBUTION



CANDELA TABLE

	0°	90°
0°	550	550
10°	540	541
20°	510	512
30°	460	462
40°	391	393
50°	307	308
60°	208	207
70°	98	95
80°	18	17
90°	0	0

LUMINANCE (cd/sq.m)

	0.00°	90.00°
0.00°	41416	41416
45.00°	37407	37521
55.00°	34082	34093
65.00°	27420	27081
75.00°	13769	13012
85.00°	7443	7123

LUMENS PER ZONE

ZONE	LUMENS
0° - 10°	52
10° - 20°	148
20° - 30°	223
30° - 40°	265
40° - 50°	266
50° - 60°	225
60° - 70°	144
70° - 80°	48
80° - 90°	8

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LUMINAIRE
0° - 20°	200	15%
0° - 30°	424	31%
0° - 40°	688	50%
0° - 60°	1180	86%
0° - 80°	1371	99%
0° - 90°	1379	100%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0° -180°	BEAM DIA. 90° -270°
6.0 m	15.3 lx	15.8 m	15.8 m
8.0 m	8.6 lx	21.0 m	21.1 m
10.0 m	5.5 lx	26.3 m	26.3 m
12.0 m	3.8 lx	31.5 m	31.6 m
14.0 m	2.8 lx	36.8 m	36.8 m
16.0 m	2.1 lx	42.0 m	42.1 m
18.0 m	1.7 lx	47.3 m	47.4 m
20.0 m	1.4 lx	52.5 m	52.6 m

INDOOR COEFFICIENTS OF UTILIZATION

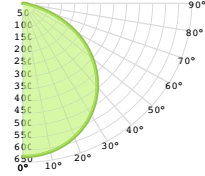
pc	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
pw	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	110	106	102	99	107	104	100	97	99	97	94	96	93	91	92	90	88	86
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	76	73
3	92	83	75	69	90	81	74	68	78	72	67	75	70	66	73	69	65	63
4	85	74	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47
6	72	59	51	45	70	59	50	45	57	50	44	55	49	44	54	48	43	41
7	67	54	46	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37
8	63	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	27

FS-RL640-900L/1100L/1300L-DIMTR-120/MVOLT-27K/30K/35K/40K/50K-W-WH (1300L)

TEST NO.: **EL10272524**

INPUT WATTS: **15.5** LUMENS: **1571** EFFICACY: **101** BEAM ANGLE: **105** SPACING CRITERIA: **1.24 x 1.24**

CANDELA DISTRIBUTION



CANDELA TABLE

	0°	90°
0°	626	626
10°	615	617
20°	581	583
30°	524	527
40°	446	448
50°	350	351
60°	237	236
70°	111	109
80°	20	20
90°	0	0

LUMINANCE (cd/sq.m)

	0.00°	90.00°
0.00°	47139	47139
45.00°	42592	42767
55.00°	38800	38830
65.00°	31199	30922
75.00°	15768	14805
85.00°	8497	8100

LUMENS PER ZONE

ZONE	LUMENS
0° - 10°	59
10° - 20°	169
20° - 30°	254
30° - 40°	302
40° - 50°	303
50° - 60°	256
60° - 70°	164
70° - 80°	54
80° - 90°	9

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LUMINAIRE
0° - 20°	228	15%
0° - 30°	483	31%
0° - 40°	784	50%
0° - 60°	1344	86%
0° - 80°	1562	99%
0° - 90°	1571	100%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0° -180°	BEAM DIA. 90° -270°
6.0 m	17.4 lx	15.7 m	15.8 m
8.0 m	9.8 lx	21.0 m	21.0 m
10.0 m	6.3 lx	26.2 m	26.3 m
12.0 m	4.3 lx	31.5 m	31.6 m
14.0 m	3.2 lx	36.7 m	36.8 m
16.0 m	2.4 lx	41.9 m	42.1 m
18.0 m	1.9 lx	47.2 m	47.4 m
20.0 m	1.6 lx	52.4 m	52.6 m

INDOOR COEFFICIENTS OF UTILIZATION

pf pc pw	80%				70%				20%				50%				30%				10%				0%
	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%				
0	119	119	119	119	119	116	116	116	116	111	111	111	106	106	106	106	102	102	102	102	100				
1	110	106	102	99	107	104	100	97	99	97	94	96	93	91	92	90	88	86	88	86					
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	76	73	76	73					
3	92	83	75	69	90	81	74	68	78	72	67	75	70	66	73	69	65	63	65	63					
4	85	74	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54	56	54					
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47	49	47					
6	72	59	51	45	70	59	50	45	57	50	44	55	49	44	54	48	43	41	44	41					
7	67	54	46	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37	39	37					
8	63	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33	35	33					
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30	31	30					
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	27	29	27					