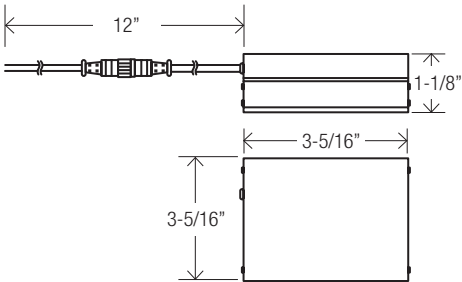
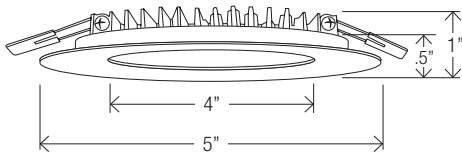




DIMENSION



4" ROUND SLIM LED

- ▶ **1" THICK LED FIXTURE WITH HIGHER BRIGHTNESS**
- ▶ **FOR NEW CONSTRUCTION – INSULATED AND DROPPED CEILINGS**

FEATURES

Round 4" fixtures with integral LEDs. One driver for every fixture required. PF>0.95. Maximum number of fixtures per standard 150W LED dimmer: 12

- ▶ Dimmable
- ▶ ETL Approved and Energy Star Certified
- ▶ Air-tight and wet location approved
- ▶ Pot light housing is not required even for insulated ceilings
- ▶ Fast and easy to install in limited space locations
- ▶ External driver factory mounted inside connector box
- ▶ New construction rough-in plates and jumper cables available
- ▶ Available in 4 Color Temperatures (2700K, 3000K, 4000K and 5000K)
- ▶ 50,000 Hours Life

TECHNICAL SPECIFICATIONS

- ▶ **WATTAGES:** 9W and 12W
- ▶ **OUTPUT: Default** Driver Voltage: 120V AC 60 Hz (Dimmable)
- ▶ **OPTICS:** 120°
- ▶ **CRI:** 90+
- ▶ **AMBIENT TEMPERATURE:** -40°F (-40°C) to +104°F (+40°C)

LISTING

- ▶ Energy Star
- ▶ ETL listed for wet location

INPUT VOLT.	INPUT FREQ.	THD	POWER FACTOR	INPUT POWER	LUMENS
120	60Hz	<20%	>0.95	9W(+/-5%)	550L
120	60Hz	<20%	>0.95	12W(+/-5%)	700L



EXAMPLE: RL475-700L-DIMTR-120-30K-90-WH-RL475-RT-BZ

TYPE	LUMEN	CCT	CRI	FINISH	TRIM RING	ACCESSORIES
RL475	<input type="checkbox"/> 550L-DIMTR-120	<input type="checkbox"/> 27K <input type="checkbox"/> 30K <input type="checkbox"/> 40K <input type="checkbox"/> 50K	90+	<input type="checkbox"/> WH (White)	<input type="checkbox"/> RL475-RT-BZ (Bronze) <input type="checkbox"/> RL475-RT-BK (Black) <input type="checkbox"/> RL475-RT-CH (Chrome) <input type="checkbox"/> RL475-RT-CP (Copper) <input type="checkbox"/> RL475-RT-SN (Satin Nickel)	<input type="checkbox"/> RL-ACC-SLIM-1-10F <input type="checkbox"/> RL-ACC-SLIM-1-20F <input type="checkbox"/> RL-ACC-SLIM-4-Roughplate
	<input type="checkbox"/> 700L-DIMTR-120					

RL475 LED

4" ROUND SLIM LED

RL475-LED-700L-DIM10-MVOLT

TEST NO.: EL071622

INPUT WATTS: 11

LUMENS: 618

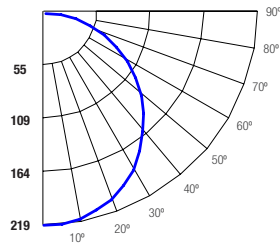
CRI: 85+

EFFICACY: 56

CCT: 4000K

SPACING CRITERIA: 1.36

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	79.65	12.90	12.90
0-30	168.55	27.30	27.30
0-40	274.78	44.50	44.50
0-60	481.97	78.00	78.00
0-80	602.76	97.60	97.50
0-90	618.05	100.10	100.00

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	26046	26355	25877
55	25489	25777	24878
65	24648	25154	23447
75	24343	24659	21375
85	26039	26443	18004

Lumens Per Zone

Zone	Lumens
0-10	20.67
10-20	58.99
20-30	88.90
30-40	106.23
40-50	109.05
50-60	98.14
60-70	75.25
70-80	45.55
80-90	15.29

Candela Tabulation

θ	0	5	15	25	35	45	55	65	75	85	90
0	218.55	217.96	210.43	195.98	173.48	146.48	116.28	82.85	50.11	18.05	2.02

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

Cone of Light		
4.0	13.7 fc	11.6 ft
8.0	3.41 fc	23.2 ft
12.0	1.52 fc	34.8 ft
16.0	0.85 fc	46.4 ft
20.0	0.55 fc	58 ft
24.0	0.38 fc	69.6 ft

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

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%		
ROOM CAVITY RATIO	0	119	119	119	119	118	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100		
1	109	104	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	85	85	85	83			
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69	69	69	69			
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58	58	58	58			
4	82	70	61	54	80	69	60	54	66	59	53	64	58	52	62	56	52	50	50	50	50			
5	76	63	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43	43	43	43			
6	70	56	47	41	68	55	47	41	54	46	40	52	45	40	50	44	40	37	37	37	37			
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33	33	33	33			
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	31	29	29	29	29			
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	28	27	27	27	27			
10	53	39	32	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24	24	24	24			

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

AVAILABLE COLOR INSERTS FOR RL475 - 4" RETROFIT



RL475-RT-BZ
(Bronze)



RL475-RT-BK
(Black)



RL475-RT-CH
(Chrome)



RL475-RT-CP
(Copper)



RL475-RT-SN
(Satin Nickel)

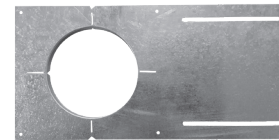
AVAILABLE ACCESSORIES FOR RL475 - 4" RETROFIT



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



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



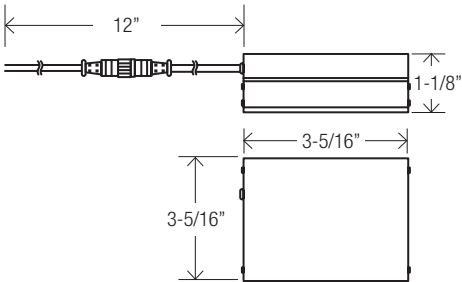
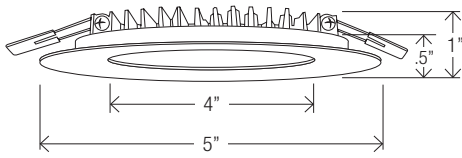
RL-ACC-SLIM-4-ROUGHPLATE

INSTALLATION

- Cut hole in ceiling and snap fixture in opening with attached spring clips. Space in ceiling needed for the driver to fit through the ceiling height – 2".



DIMENSION



4" ROUND SLIM LED

- ▶ **1" THICK LED FIXTURE WITH HIGHER BRIGHTNESS**
- ▶ **FOR NEW CONSTRUCTION – INSULATED AND DROPPED CEILINGS**

FEATURES

Round 4" fixtures with integral LEDs. One driver for every fixture required. PF>0.95. Maximum number of fixtures per standard 150W LED dimmer: 12

- ▶ Dimmable
- ▶ ETL Approved and Energy Star Certified
- ▶ Air-tight and wet location approved
- ▶ Pot light housing is not required even for insulated ceilings
- ▶ Fast and easy to install in limited space locations
- ▶ External driver factory mounted inside connector box
- ▶ New construction rough-in plates and jumper cables available
- ▶ Available in 4 Color Temperatures (2700K, 3000K, 4000K and 5000K)
- ▶ 50,000 Hours Life

TECHNICAL SPECIFICATIONS

- ▶ **WATTAGES:** 9W and 12W
- ▶ **OUTPUT: Default** Driver Voltage: 120V AC 60 Hz (Dimmable)
- ▶ **OPTICS:** 120°
- ▶ **CRI:** 90+
- ▶ **AMBIENT TEMPERATURE:** -40°F (-40°C) to +104°F (+40°C)

LISTING

- ▶ Energy Star
- ▶ ETL listed for wet location

INPUT VOLT.	INPUT FREQ.	THD	POWER FACTOR	INPUT POWER	LUMENS
120	60Hz	<20%	>0.95	9W(+/-5%)	550L
120	60Hz	<20%	>0.95	12W(+/-5%)	700L



EXAMPLE: RL475-700L-DIMTR-120-30K-90-WH-RL475-RT-BZ

TYPE	LUMEN	CCT	CRI	FINISH	TRIM RING	ACCESSORIES
RL475	<input type="checkbox"/> 550L-DIMTR-120	<input type="checkbox"/> 27K <input type="checkbox"/> 30K <input type="checkbox"/> 40K <input type="checkbox"/> 50K	90+	<input type="checkbox"/> WH (White)	<input type="checkbox"/> RL475-RT-BZ (Bronze) <input type="checkbox"/> RL475-RT-BK (Black) <input type="checkbox"/> RL475-RT-CH (Chrome) <input type="checkbox"/> RL475-RT-CP (Copper) <input type="checkbox"/> RL475-RT-SN (Satin Nickel)	<input type="checkbox"/> RL-ACC-SLIM-1-10F <input type="checkbox"/> RL-ACC-SLIM-1-20F <input type="checkbox"/> RL-ACC-SLIM-4-Roughplate
	<input type="checkbox"/> 700L-DIMTR-120					

RL475 LED

4" ROUND SLIM LED

RL475-LED-700L-DIM10-MVOLT

TEST NO.: EL071622

INPUT WATTS: 11

LUMENS: 618

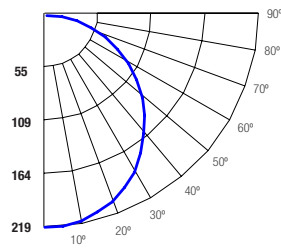
CRI: 85+

EFFICACY: 56

CCT: 4000K

SPACING CRITERIA: 1.36

Candle Power Distribution (Candelas)



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Zone	Lumens	%Lamp	%Fixt
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Zone	Lumens
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60-70	75.25
70-80	45.55
80-90	15.29

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θ	Candela
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15	210.43
25	195.98
35	173.48
45	146.48
55	116.28
65	82.85
75	50.11
85	18.05
90	2.02

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

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

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	RW	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%		
ROOM CAVITY RATIO	0	119	119	119	119	118	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100		
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2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69	69	69	69			
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4	82	70	61	54	80	69	60	54	66	59	53	64	58	52	62	56	52	50	50	50	50			
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7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33	33	33	33			
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10	53	39	32	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24	24	24	24			

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

AVAILABLE COLOR INSERTS FOR RL475 - 4" RETROFIT



RL475-RT-BZ
(Bronze)



RL475-RT-BK
(Black)



RL475-RT-CH
(Chrome)



RL475-RT-CP
(Copper)



RL475-RT-SN
(Satin Nickel)

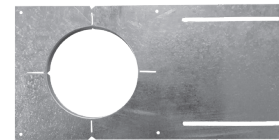
AVAILABLE ACCESSORIES FOR RL475 - 4" RETROFIT



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



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



RL-ACC-SLIM-4-ROUGHPLATE

INSTALLATION

- Cut hole in ceiling and snap fixture in opening with attached spring clips. Space in ceiling needed for the driver to fit through the ceiling height – 2".