

SYLVANIA Luminaires

UltraLED™ Selectable Downlights

Application

The SYLVANIA UltraLED Selectable Downlights are offered in 5/6", 6", and 8" sizes and provide high performing light optimized for both new construction and retrofit applications where pin based compact fluorescent lamps have previously been used. The installation is done quickly and easily in most standard frames. The lumen and CCT selectable switches allow for customizable light replacing up to two 26W compact fluorescent lamps and offering up to 52% energy savings when compared to traditional technologies.

Benefits and Features

- Lumen and CCT selectable light enabled through the two switches located on the base of the product
- This product is available in lumen selectable only versions – enabled through the one switch located on the base of the product
- 0-10V dimmable
- ENERGY STAR® listed to maximize rebate opportunities
- Available in 5/6", 6" (lumen and lumen and CCT versions), and 8" sizes (lumen selectable versions only)
- Up to 83 LPW
- 2700K, 3000K, 3500K, 4000K, and 5000K and selectable K color temperature
- CRI >90
- Offered in 9 or 12 watt, 14.5 or 18 watt, and 17 or 25 watt versions
- Energy savings up to 52%

Electrical

- 120-277V_{AC}
- Power Factor >90%
- THD <20%
- 0-10V dimmable

Rated Life

- 50,000 hours (L₇₀)

Warranty

- 5-year (please see LEDLUM001)

Ambient Operating Range

- -4°F to +104°F (-20°C to +40°C)

Item #

Type

Project

Notes

Date



Wattage Comparison

Traditional Source	LED System Wattage	Energy Savings
13 or 18W CFL	9 or 12W	30 or 33%
23 or 32W CFL	14.5 or 18W	37 or 44%
32W or 2x26W CFL	17 or 25W	47 or 52%

Certifications and Listings

- cETLus
- ENERGY STAR
- RoHS
- FCC

Installation

- Installation performed as a stand-alone kit (without frame) is recommended for hard ceiling. Installation of a recessed incandescent frame is recommended for tiled ceiling application for proper support of the retrofit kit.



Ordering Guide

One Switch (Lumen Selectable)

RT	SL	/	XX	R	/	1A	/	XXXXXX	U	/	D	/	9	XX
RT = Retrofit Downlight	SL = Selectable Lumen		Size 56 = 5/6" 6 = 6" 8 = 8"	Shape R = Round		Generation		Light Output 700900 = 700 or 900 lumens 12001500 = 1200 or 1500 lumens 15002000 = 1500 or 2000 lumens	Voltage U = 120-277V		Dimming D = 0-10V		CRI 9 = >90	CCT 27 = 2700K 30 = 3000K 35 = 3500K 40 = 4000K 50 = 5000K

Two Switch (Lumen and CCT Selectable)

RT	SD	/	XX	R	/	1A	/	XXXX	U	/	D	/	9	303540
RT = Retrofit Downlight	SD = Dual Selectable (Lumen and CCT)		Size 56 = 5/6" 6 = 6"	Shape R = Round		Generation		Light Output 79 = 700 or 900 lumens 1215 = 1200 or 1500 lumens	Voltage U = 120-277V		Dimming D = 0-10V		CRI 9 = >90	CCT 303540 = 3000K, 3500K or 4000K

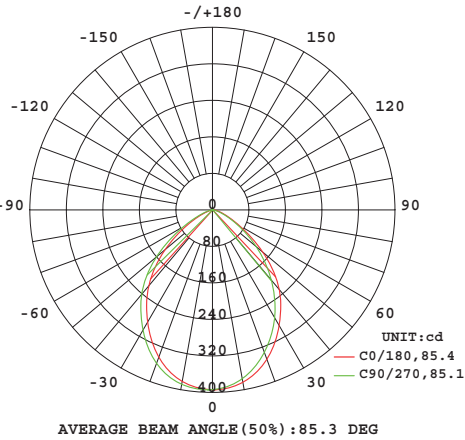
Ordering Information

Item Number	Ordering Abbreviation	Power (W)	Input Voltage	Dimming	CRI	Color Temp (CCT)	Total Fixture Lumens	Lumens per Watt	ENERGY STAR® Listed
Lumen Selectable Only									
60742	RTSL56R1A700900UD927	9 or 12	120-277	0-10V	90	2700K	700 or 900	75	Yes
60743	RTSL56R1A700900UD930	9 or 12	120-277	0-10V	90	3000K	700 or 900	75	Yes
60744	RTSL56R1A700900UD935	9 or 12	120-277	0-10V	90	3500K	700 or 900	75	Yes
60745	RTSL56R1A700900UD940	9 or 12	120-277	0-10V	90	4000K	700 or 900	75	Yes
60746	RTSL56R1A700900UD950	9 or 12	120-277	0-10V	90	5000K	700 or 900	75	Yes
60747	RTSL6R1A12001500UD927	14.5 or 18	120-277	0-10V	90	2700K	1200 or 1500	83	Yes
60748	RTSL6R1A12001500UD930	14.5 or 18	120-277	0-10V	90	3000K	1200 or 1500	83	Yes
60749	RTSL6R1A12001500UD935	14.5 or 18	120-277	0-10V	90	3500K	1200 or 1500	83	Yes
60750	RTSL6R1A12001500UD940	14.5 or 18	120-277	0-10V	90	4000K	1200 or 1500	83	Yes
60751	RTSL6R1A12001500UD950	14.5 or 18	120-277	0-10V	90	5000K	1200 or 1500	83	Yes
60752	RTSL8R1A15002000UD927	17 or 25	120-277	0-10V	90	2700K	1500 or 2000	80	Yes
60753	RTSL8R1A15002000UD930	17 or 25	120-277	0-10V	90	3000K	1500 or 2000	80	Yes
60754	RTSL8R1A15002000UD935	17 or 25	120-277	0-10V	90	3500K	1500 or 2000	80	Yes
60755	RTSL8R1A15002000UD940	17 or 25	120-277	0-10V	90	4000K	1500 or 2000	80	Yes
60756	RTSL8R1A15002000UD950	17 or 25	120-277	0-10V	90	5000K	1500 or 2000	80	Yes
Lumen and CCT Selectable									
60814	RTSD561A79UD9303540	9 or 12	120-277	0-10V	90	3000, 3500, or 4000K	700 or 900	75	Yes
60815	RTSD61A1215UD9303540	14.5 or 18	120-277	0-10V	90	3000, 3500, or 4000K	1200 or 1500	83	Yes

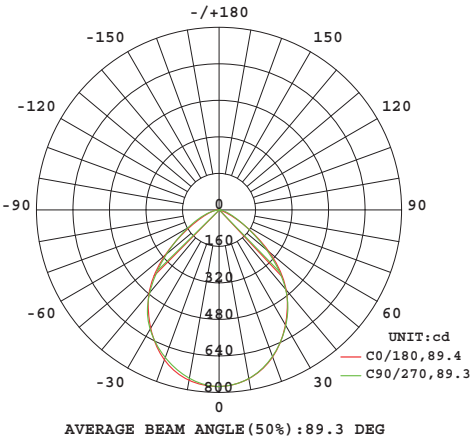
Photometrics

Luminous Intensity Distribution Diagrams

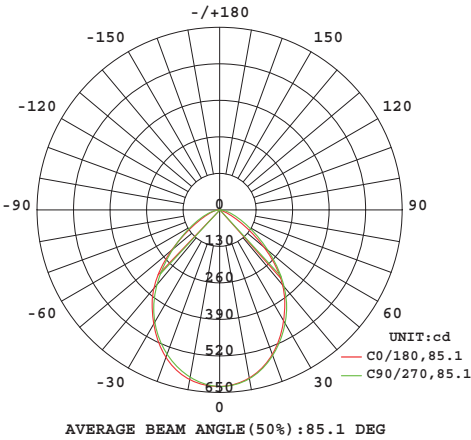
700/900lm



1500/2000lm One Switch



1200/1500lm Two Switch



Zonal Lumen Distribution

Zone	Lumens	% Retrofit Kit
0-20	170	18
0-30	350	38
0-40	549	59
0-60	838	91
0-80	919	99
0-90	925	100
10-90	880	95
20-40	379	41
20-50	551	60
40-70	348	38
60-80	81	9
70-80	22	2
80-90	6	1
0-180	925	100

Zonal Lumen Distribution

Zone	Lumens	% Retrofit Kit
0-20	279	18
0-30	572	38
0-40	894	59
0-60	1370	90
0-80	1508	99
0-90	1518	100
10-90	1444	95
20-40	615	41
20-50	897	59
40-70	577	38
60-80	138	9
70-80	37	2
80-90	10	1
0-180	1518	100

Zonal Lumen Distribution

Zone	Lumens	% Retrofit Kit
0-20	360	18
0-30	749	37
0-40	1198	59
0-60	1857	91
0-80	2020	99
0-90	2034	100
10-90	1940	95
20-40	838	41
20-50	1242	61
40-70	772	38
60-80	163	8
70-80	50	3
80-90	14	1
0-180	2034	100

Illuminance at a Distance

Distance to Illuminated Plane (feet)	Footcandles Beam Center	Footcandles Beam Edge	Beam Diameter (feet)
2	119.7 fc	22.9 fc	3.8
4	29.9 fc	5.7 fc	7.6
6	13.3 fc	2.5 fc	11.4
8	7.5 fc	1.4 fc	15.2
10	4.8 fc	0.9 fc	19
12	3.3 fc	0.6 fc	22.8

Illuminance at a Distance

Distance to Illuminated Plane (feet)	Footcandles Beam Center	Footcandles Beam Edge	Beam Diameter (feet)
2	196.6 fc	38 fc	3.8
4	49.2 fc	9.5 fc	7.5
6	21.8 fc	4.2 fc	11.3
8	12.3 fc	2.4 fc	15.1
10	7.9 fc	1.5 fc	18.8
12	5.5 fc	1.1 fc	22.6

Illuminance at a Distance

Distance to Illuminated Plane (feet)	Footcandles Beam Center	Footcandles Beam Edge	Beam Diameter (feet)
2	250.5 fc	42 fc	4.1
4	62.6 fc	10.5 fc	8.3
6	27.8 fc	4.7 fc	12.4
8	15.7 fc	2.6 fc	16.6
10	10 fc	1.7 fc	20.7
12	7 fc	1.2 fc	24.9

Spacing to Mounting Height Ratio

Spacing Criterion (0-180)	1.12
Spacing Criterion (90-270)	1.14
Spacing Criterion (Diagonal)	1.22

Spacing to Mounting Height Ratio

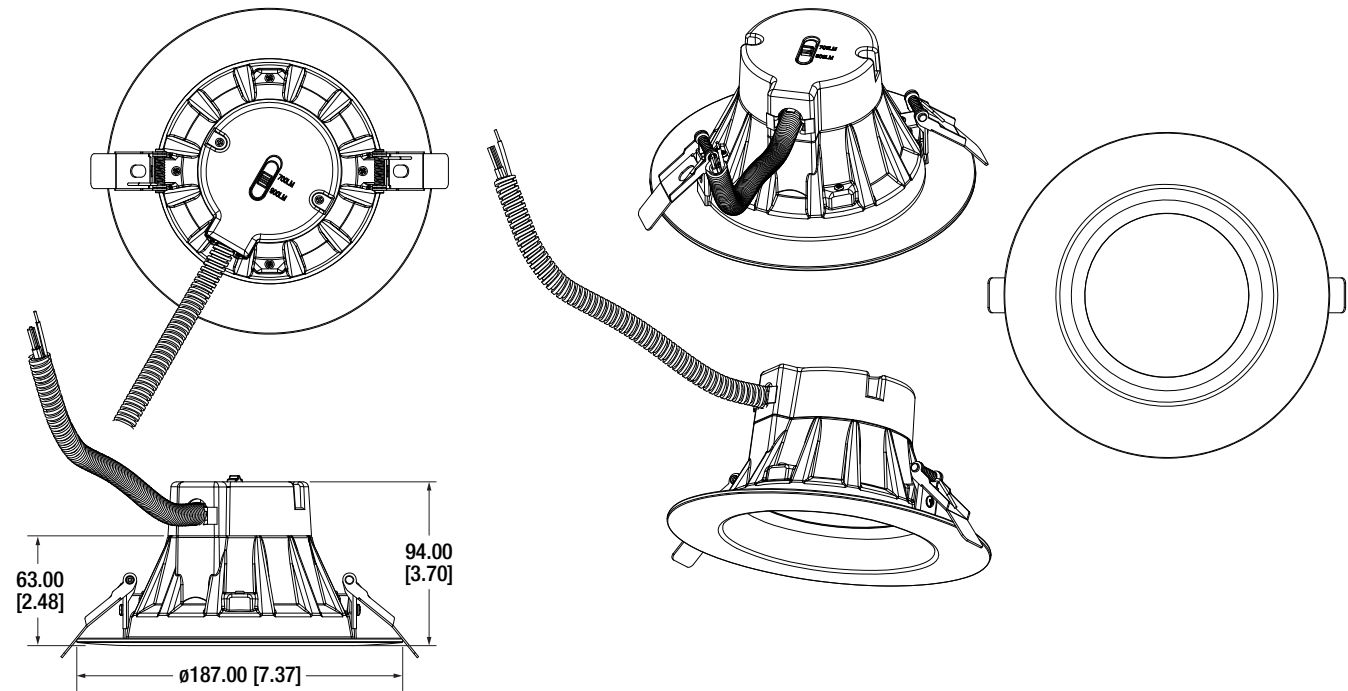
Spacing Criterion (0-180)	1.12
Spacing Criterion (90-270)	1.14
Spacing Criterion (Diagonal)	1.2

Spacing to Mounting Height Ratio

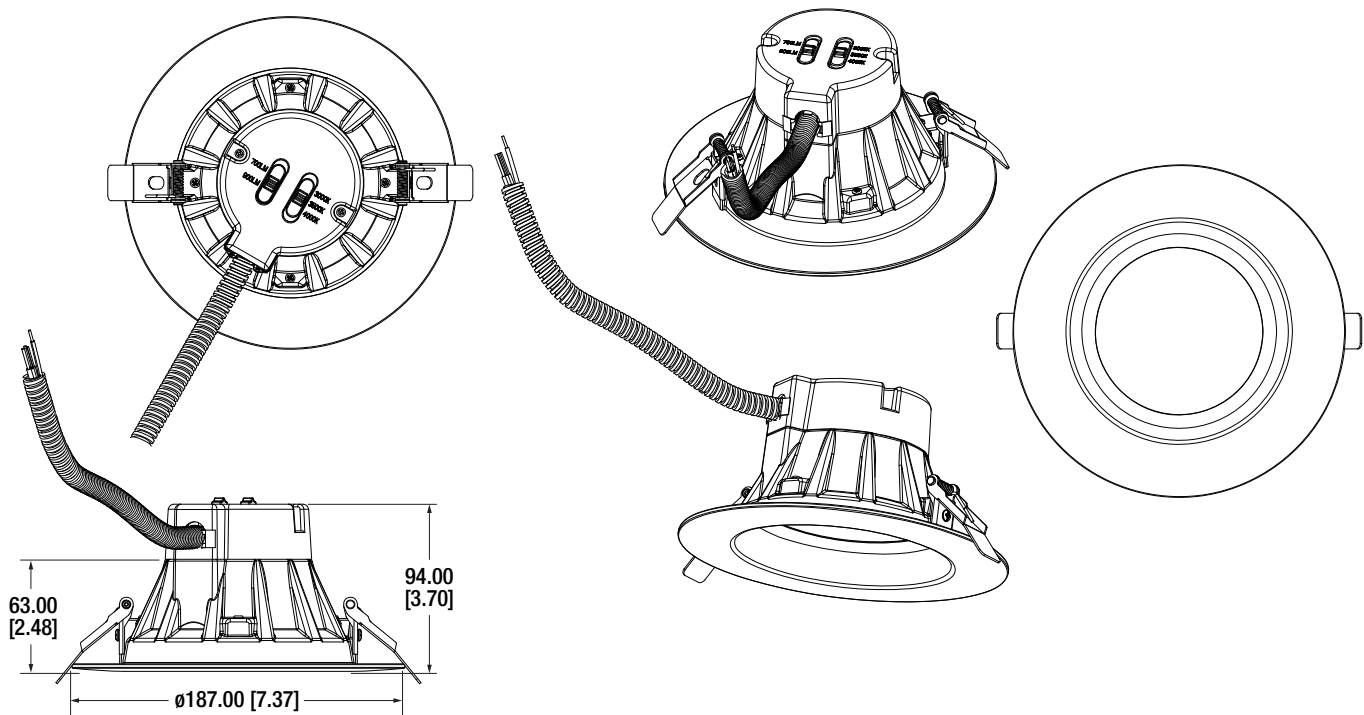
Spacing Criterion (0-180)	1.18
Spacing Criterion (90-270)	1.2
Spacing Criterion (Diagonal)	1.26

Physical Information

RT6 700-900 One Switch

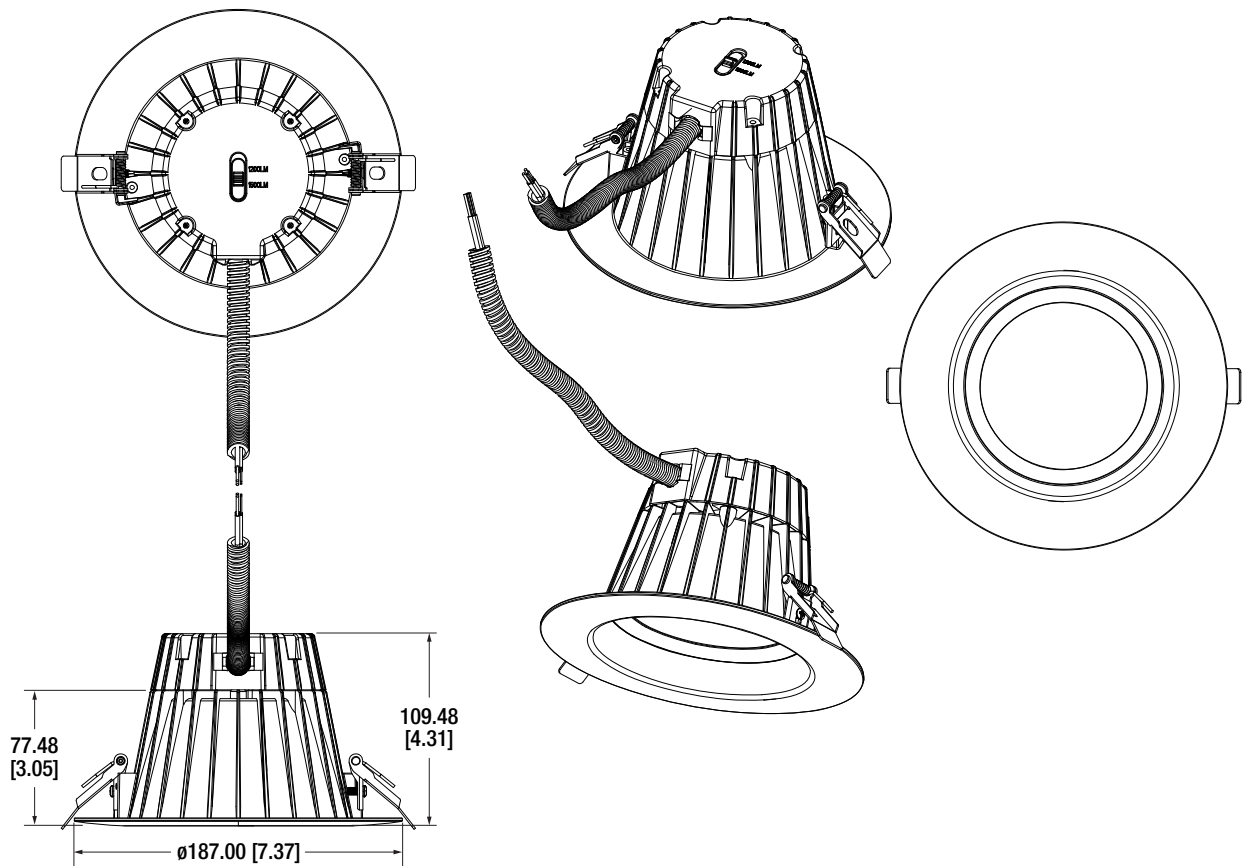


RT6 700-900 Two Switch

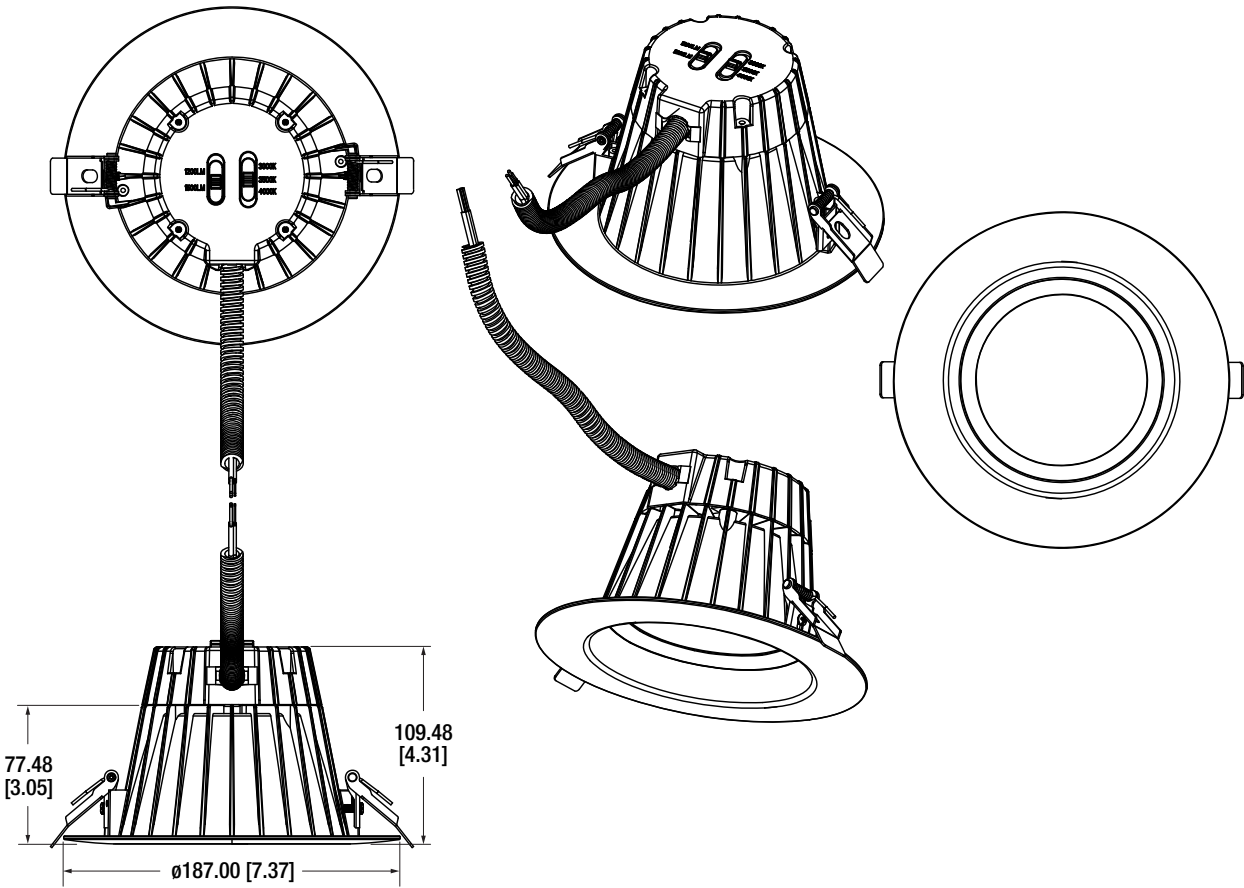


Physical Information (continued)

RT6 1200-1500 One Switch

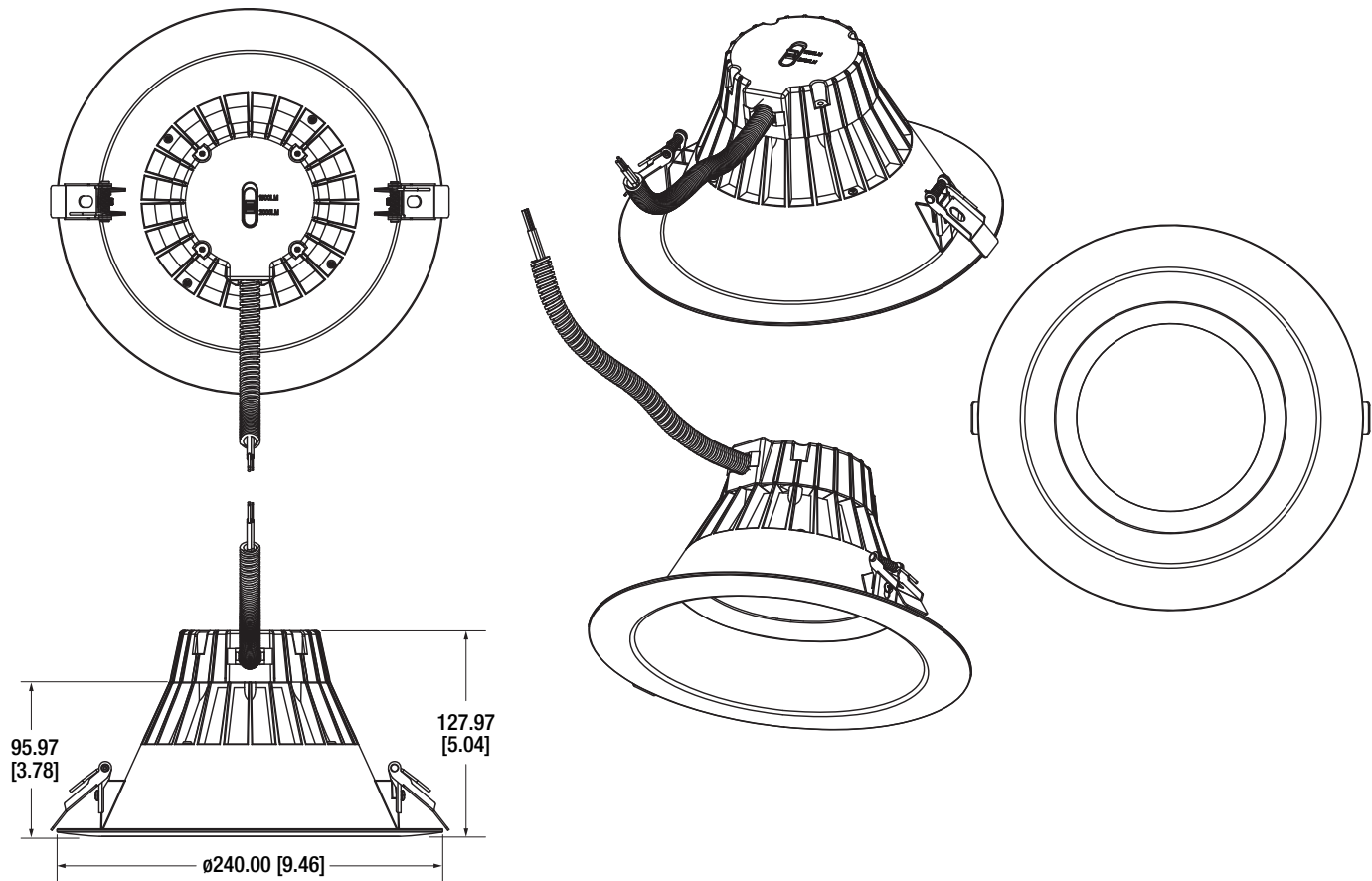


RT6 1200-1500 Two Switch



Physical Information (continued)

RT6 1500-2000 One Switch



Accessories

Item Number	Ordering Abbreviation	Item Description
Trim Rings		
75095	RT/5/6/TRIM/DKBZ	Dark bronze trim ring (5/6")
75097	RT/5/6/TRIM/BLK	Black trim ring (5/6")
75098	RT/5/6/TRIM/ORBZ	Bronze trim ring (5/6")
75099	RT/5/6/TRIM/SN	Satin nickel trim ring (5/6")
75092	RT/8/TRIM/ALZAK	Alzak trim ring (8")
75093	RT/8/TRIM/SN	Satin nickel trim ring (8")
Trim Ring Extender		
75082	RT6/8/TRIMEXT	Trim extender for 8" cans
Rough In Frame		
71708	LED/RT6HO/FRAME	6" recessed rough-in frame



Additional Specifications

- Compatible with 0-10V Dimmers.
- Complies with cULus Wet location listed, ceiling only (shower rated), and Damp location listed ceiling and wall.
- Not intended for use with emergency light fixtures or exit lights.
- Standard 5-year luminaire warranty (LEDLUM001).

LEDVANCE LLC
200 Ballardvale Street
Wilmington, MA 01887 USA
Phone 1-800-LIGHTBULB (1-800-544-4828)
www.sylvania.com

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Name:	
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