

Notes:

Product	Family	Optic	Mounting	# of LEDs ( x 10 )	LED Series	Voltage	Color Options	Drive Current	Factory-Installed Options
SFT	227	SL <sup>1</sup>	RR <sup>2</sup>	03	D	UL Universal 120–277V UH Universal 347–480V 12 120V 20 208V 24 240V 27 277V 34 347V 48 480V	WH White (Standard) SV Silver BK Black BZ Bronze PB Platinum Bronze	525 525mA (Standard) 350 350mA	40K 4000K Color Temperature <sup>3</sup> F Fuse <sup>4,5</sup>

Footnotes

1. Sparkle Petroleum distribution
2. Recessed soffit mount for remodel
3. Color temperature per fixture; 5700K standard; minimum 70 CRI
4. Must specify voltage other than UL, UH, 34, or 48
5. When code dictates fusing use time delay fuse

LED PERFORMANCE SPECS																	
# of LEDs	Initial Delivered Lumens – Sparkle Petroleum @ 5700K	B U G Rating**			Initial Delivered Lumens – Sparkle Petroleum @ 4000K	B U G Rating**			System Watts 120–480V	Total Current @ 120V	Total Current @ 208V	Total Current @ 240V	Total Current @ 277V	Total Current @ 347V	Total Current @ 480V	L <sub>70</sub> Hours* @ 25° C (77° F)	50K Hours Lumen Maintenance Factor* @ 15° C (59° F)
		B	U	G		B	U	G									
<b>350mA Fixture Operating at 25° C (77° F)</b>																	
30	3,270 (03)	1	0	1	3,014 (03)	1	0	1	36	0.30	0.19	0.17	0.17	0.12	0.10	> 150,000	90%
<b>525mA (Standard) Fixture Operating at 25° C (77° F)</b>																	
30	4,578 (03)	2	0	1	4,219 (03)	2	0	1	52	0.44	0.26	0.24	0.21	0.13	0.13	128,000	88%

\* For recommended lumen maintenance factor data see TD-13

\*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit [www.iesna.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf](http://www.iesna.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf)



## General Description

High performance energy efficient LED down light, designed for remodel applications. It is entirely supported by the ceiling material and is designed to fit through 12" (305mm) x 12" (305mm) opening. It will accept ceiling thicknesses from 1/4" (6mm) to 1-1/4" (32mm) and is an ideal replacement for the 12" (305mm) x 12" (305mm) recessed HID luminaires.

Luminaire sides are rugged cast aluminum with high performance extruded aluminum heat sink specifically designed for high power LED. It is factory assembled to the trim plate and wired to the driver.

Driver compartment is constructed of anodized extruded aluminum with stainless steel end panels for exceptional thermal performance. Driver is factory wired to the luminaire optical housing.

Five year limited warranty on luminaire.

## Electrical

Modular design accommodates varied lighting output from high power, white, 5700K (+/- 500K per full fixture), minimum 70 CRI, long life LED sources. Optional 4000K (+/- 300K per full fixture) also available. 120-277V 50/60 Hz, Class 1 LED drivers are standard. 347-480V 50/60 Hz driver is optional. LED drivers have power factor >90% and THD <20% at full load. Units provided with integral 10kV surge protection standard. Surge protection tested in accordance with IEEE/ANSI C62.41.2.

Luminaire is Type IC in accordance with Article 410 of the NEC and UL 1598. It is suitable for direct contact with insulation.

Meets FCC Title 47 CFR Part 18, Non-Consumer EMI and RFI emission levels.

## Testing & Compliance

UL listed in the U.S. and Canada for wet locations under covered ceilings. Consult factory for CE certified product. International Dark-Sky Association approved. RoHS Compliant.



## Finish

Exclusive Colorfast DeltaGuard® finish on all cast aluminum components features an E-Coat epoxy primer with an ultra-durable white powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion. Bronze, black, silver and platinum bronze powder topcoats are also available. Clear anodized finish on extruded aluminum heat sink. The finish is covered by our 10 year limited warranty.

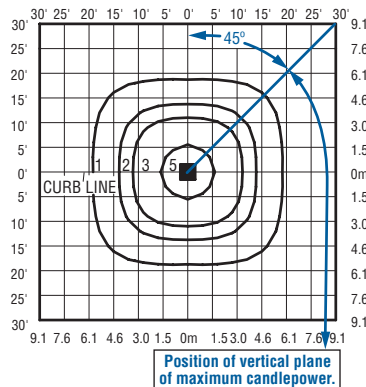
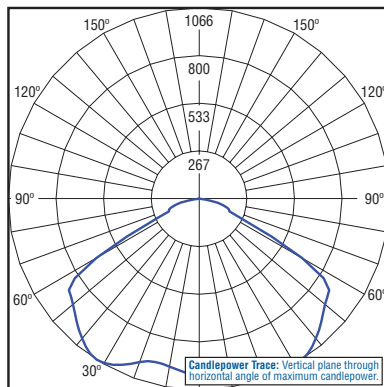
Fixture and finish are endurance tested to withstand 5,000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B 117.

## Patents

U.S. and international patents granted and pending. BetaLED is a division of Ruud Lighting, Inc. For a listing of Ruud Lighting, Inc. patents, visit [www.uspto.gov](http://www.uspto.gov).

## Field-Installed Accessories

## Photometrics



Independent Testing Laboratories certified test. Report No. ITL71497. Candlepower trace of 4000K, 30 LED recessed soffit luminaire with sparkle petroleum distribution. Luminaire with 8,795 initial delivered lumens operating at 525mA. **All published luminaire photometric testing performed to IESNA LM-79-08 standards.**

Isofootcandle plot of 4000K, 30 LED recessed soffit luminaire with sparkle petroleum optic mounted at 15' (4.6m) A.F.G. Luminaire with 4,219 initial delivered lumens operating at 525mA. Initial FC at grade.

