



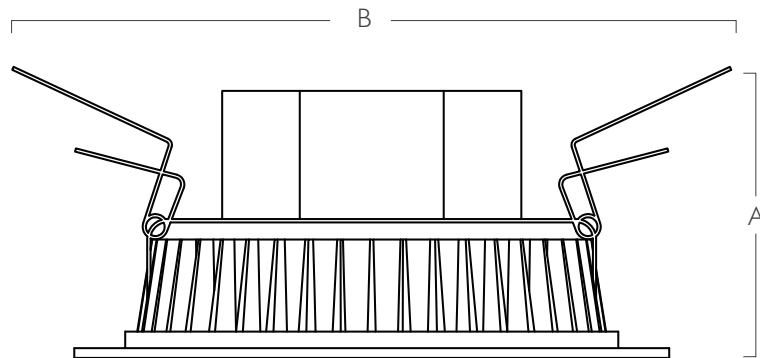
SSL-UNVRLED

Product Description

SSL-UNVRLED 6" commercial LED downlights is suitable for 100 - 277VAC input with fired-rated junction box, which delivers high lumen of exceptional 80+ CRI and achieve up to 95 lumens per watt. It is available in 4000K and 5000K with naked wire and E26 base accessories options.

Electrical System

- Integral, high-efficiency driver and power supply
- Power Factor > 0.9 nominal
- Input Voltage: 100 - 277VAC



Features

- **LED Chip**
The product light source chooses LM80 chip, high efficient and low thermal resistance. This product enables color management to preserve high color consistency over the life of the product, with a CRI of at least 80 while maintaining high luminous efficacy - a no compromise solution.
- **Construction & Materials**
Thermal management system uses durable upper housing and driver to conduct heat away from LEDs and transfer it to the plenum space for optimal performance. LED junction temperatures stay below specified maximum even when installed in attic insulation with ambient temperatures exceeding 40° C. Suitable for insulated and non-insulated ceilings.
- **Optical System**
 - Unique combination of reflective and refractive optical components achieves a uniform, comfortable appearance while eliminating pixel and color fringing. This ensures smooth light patterns are projected with no hot spots and striations.
 - Components work together to optimize distribution, balancing the delivery of high illuminance levels on horizontal surfaces with an ideal amount of light on walls and vertical surfaces. This increases the perception of spaciousness.

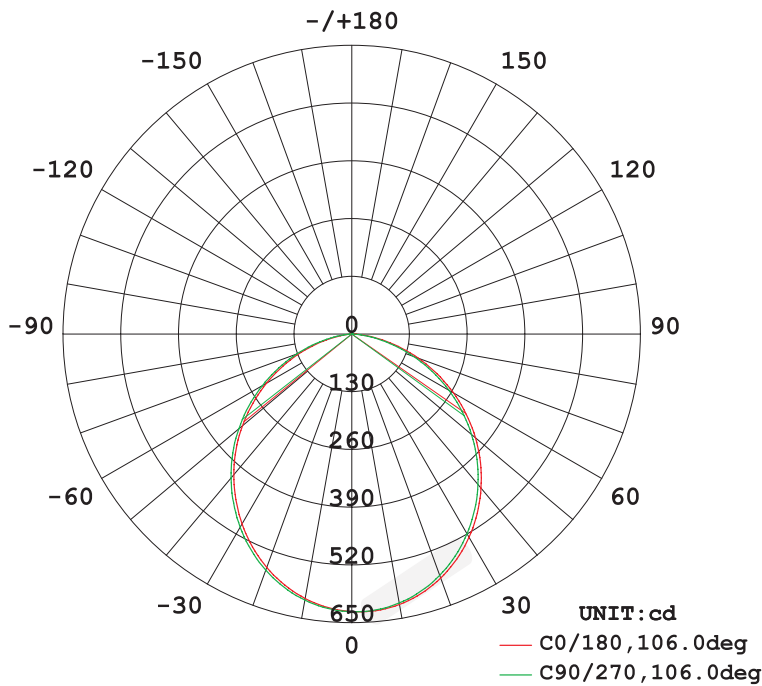
Model Number	Input Power	Lumens	CCT	Dimensions (A x B)	Volt
SSL-UNVRLED-18/40K	18W	1600lm	4000K	3.62" x 7.52"	100 - 277V
SSL-UNVRLED-18/50K	18W	1600lm	5000K	3.62" x 7.52"	100 - 277V

SSL-UNVRLED-18/40K & 50K

Photometric

Fixture photometry has been conducted accredited testing laboratory in accordance with IESNA LM-79-08.

Luminous Intensity Distribution Program



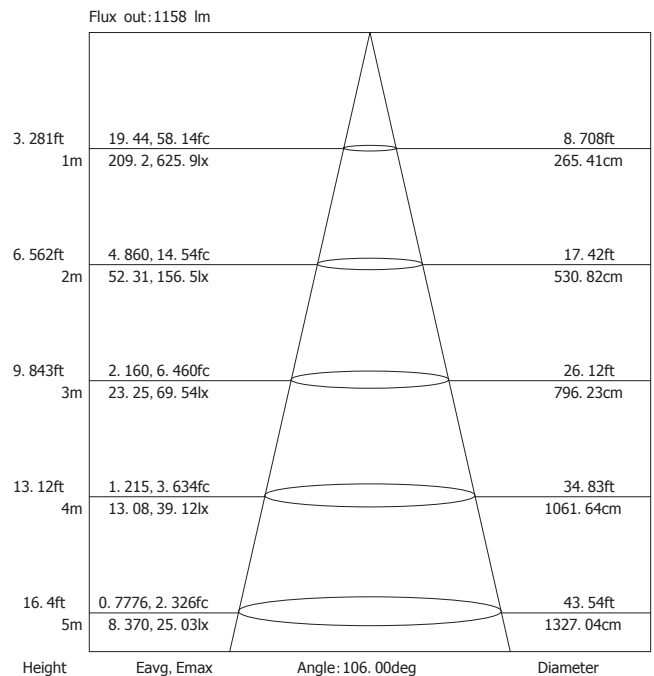
Zonal Lumen Density Measurement

T	φ zone	φ total	%lum, lamp
0-10	59.03	59.03	3.6,3.6
10-20	167.7	226.8	13.8,13.8
20-30	250.5	477.3	29.1,29.1
30-40	296.1	773.5	47.2,47.2
40-50	299.9	1073	65.5,65.5
50-60	261.9	1335	81.5,81.5
60-70	189.2	1524	93,93
70-80	97.37	1622	98.9,98.9
80-90	17.34	1639	100,100

Average Illuminance Curve

Y	C0	C45	C90
10	604.7	604.1	608.3
20	559.6	558.9	566.0
30	494.2	493.1	502.6
40	413.4	412.3	423.0
50	321.6	320.7	332.2
60	221.9	221.3	232.8
70	121.8	121.6	131.9
80	33.75	33.71	41.17
90	0.0020	0.0032	0.0034

Luminous Intensity (CD) Distribution Data



Note :The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

PERFORMANCE SUMMARY SSL-UNVRLED-18/40K & 50K

Efficiency	93LPW
Rated Power	18W
Delivered light output	1600 lumens
CRI	Ra > 80
CCT Options	4000K or 5000K
Input Voltage	100 - 277VAC
Input Current	0.06 - 0.15A
THD	<20%
PF	>0.9
Standard Warranty	5 Years
Standard Lifetime	Designed minimum 35,000 hours
Mounting	Recessed
Certificate	UL and cUL listed, Energy Star Listed, FCC, LM79 Report
Usage	Suitable for damp locations



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