



Benefits

- Reduced energy consumption and operating costs by up to 77%.
- Maintenance free operation - lasts up to 25 times longer than conventional lighting.
- Cool beam- No UV or IR, reduces air conditioning loads.
- Unique design with anodized silver housing for cooler operation and extended lamp life.
- Environmentally friendly – fully recyclable, no mercury or other hazardous materials.

R20 SP002
Sept 2009

SōL™ R20 Lamp

Dimmable & Non-Dimmable

Patented design houses an integrated LED system for optimum lifetime performance. Excellent optics create a uniform beam, delivering lumen output comparable to conventional sources. Free of harmful UV and IR emissions.

Available in 25° beam distribution, in both warm and cool color temperatures with good color quality.

Features

Lumen Output

Warm White	200
Cool White	Pending

Equivalent Source

25 Watt Incandescent Lamp

Power Consumption

Warm White	7 Watts
Cool White	Pending

Efficacy

Warm White	29 (lm/w)
Cool White	Pending

Color Temperature

Warm White	2700K
Cool White	Pending

Color Rendering Index (CRI)

Warm White	92
Cool White	Pending

Center Beam (candelas)

Warm White	405
Cool White	Pending

Rated Life

50,000 Hours
70% Lumen Maintenance

Housing

Anodized

Socket

E26 Edison Base

Beam Spread

Narrow Flood	25°
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Operating Temperature

-35°C to +45°C

Voltage*

120V AC/DC @ 50Hz

Weight

5.4 oz

Warranty

5 Year Limited

Standards

E320663, UL 1993

Certification



Environment



*Performance specifications are for nominal input voltage of 110v AC/DC.
US Patent D560, 286

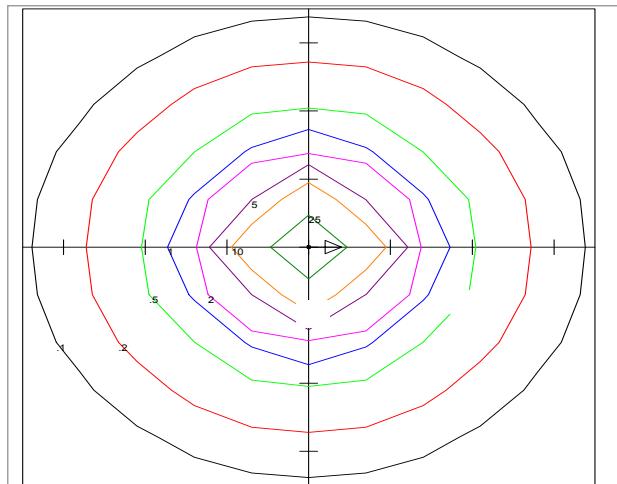


SōL™ R20 Lamp

Ordering Information

Example: SOL R20DM WW NFL E26

Family	Product	Color Temperature	Beam Spread	Socket
SōL	R20 R20 Lamp	CW Cool White	NFL Narrow Flood	E26 E26 Edison Base
	R20DM Dimmable	WW Warm White		



Warm White Illustrated

Horizontal Footcandles
Scale: 1 Inch = 5 Ft.
Light Loss Factor = 10.00
Lumens Per Lamp = N.A. (absolute photometry)
Luminaire Lumens = 211
Mounting Height = 10.00 Ft
Maximum Calculated Value = 46.09 Fc
Arrangement: Single

Luminance Data (cd/sq.m)

Angle In Degrees	Average 0°	Average 45°	Average 90°
45°	17,536	18,987	18,102
55°	18,015	16,858	17,586
65°	29,340	32,418	29,465
75°	39,925	44,234	38,705
85°	55,330	65,371	63,857

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	110.0	N.A.	53.9
0-40	128.2	N.A.	62.8
0-60	155.8	N.A.	76.3
0-90	198.0	N.A.	96.9
60-90	42.2	N.A.	20.7
0-180	204.2	N.A.	100.0

Cautions

- Turn power off before inspection, installation, or removal.
- Indoor use only.
- Not for use where exposed to the weather.
- Not for use in insulated ceiling applications.
- Do not use where directly exposed to water – Risk of electric shock.
- Do not open – no user serviceable parts inside.
- Use only on 120 Volt, 60 Hz circuits.
- This device is not intended for use with emergency exit fixtures or emergency exit lights.
- This device complies with Part 15 of the FCC rules. This product has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.



Lighting Science Group Corporation

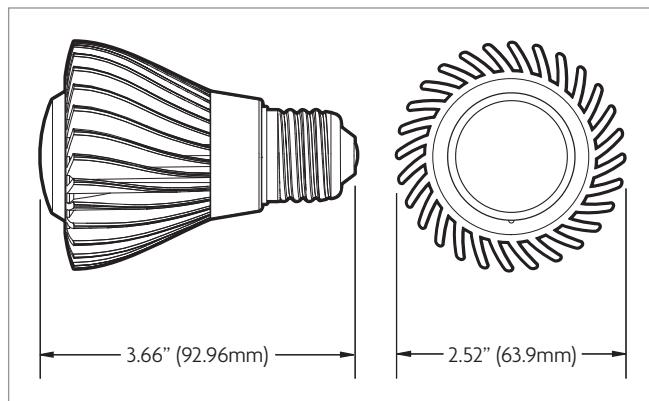
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Specifications subject to change.



Dimensions shown in inches (mm)

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SōL R20 Lamp - U.S. Patent No. D560, 286

Mouser Electronics

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