



## Benefits

- Reduced energy consumption and operating costs by up to 75%.
- 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.

R38 SP002  
Oct 2009

## SöL™ R38 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 30° beam distribution, in both warm and cool color temperatures with good color quality.

### Features

#### Lumen Output

Warm White 640

Cool White 830

**Equivalent Source** 75 Watt Halogen Lamp

#### Power Consumption

Warm White 14 Watts

Cool White 15 Watts

#### Efficacy

Warm White 46 (lm/w)

Cool White 55.3 (lm/w)

#### Color Temperature

Warm White 3000K

Cool White 4700K

#### Color Rendering Index (CRI)

Warm White 77

Cool White 75

#### Center Beam (candelas)

Warm White 1893

Cool White 2486

**Rated Life** 50,000 Hours

70% Lumen Maintenance

#### Housing

Anodized

#### Socket

E26 Edison Base

#### Beam Spread

**Narrow Flood** 30°

#### Operating Temperature

-40°C to +45°C

#### Voltage\*

120 VAC @ 60 Hz

#### Weight

1 lb, 9.8 oz

#### Warranty

5 Year Limited

#### Standards

UL1993, E320663

#### Certification



#### Environment



\*Normal input operating range allowed is 90-130 VAC/DC @ 50/60 Hz. Indoor use only. Not for use in insulated ceiling applications. US Patent D570, 5055

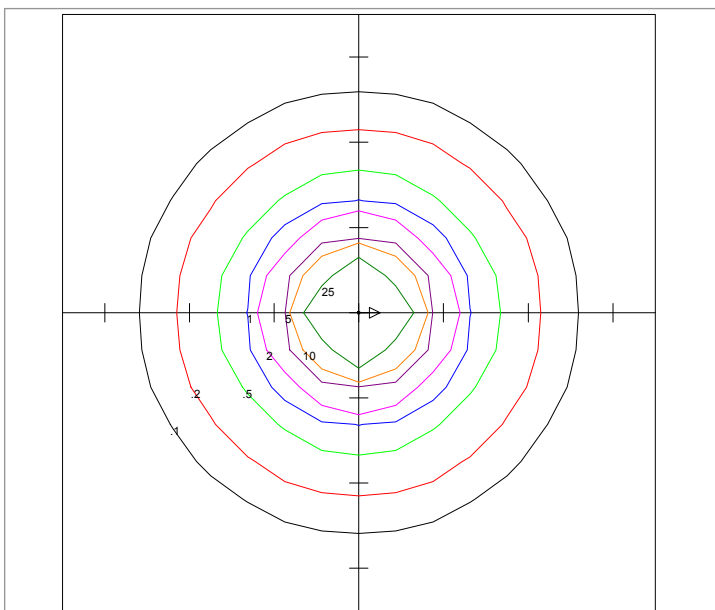


# SōL™ R38 Lamp

## Ordering Information

Example: SOL R38DM WW NFL

Family	Product	Color Temperature	Beam Spread
SOL	R38 R38	CW Cool White	NFL Narrow Flood
	R38DM Dimmable	WW Warm White	



Warm White Illustrated

Horizontal Footcandles  
Scale: 1 Inch = 8 Ft.  
Light Loss Factor = 10.00  
Lumens Per Lamp = N.A. (absolute photometry)  
Luminaire Lumens = 643  
Mounting Height = 10.00 Ft  
Maximum Calculated Value = 189.31 Fc  
Arrangement: Single

## Luminance Data (cd/sq.m)

Angle In Degrees	Mean
45°	8,330
55°	5,812
65°	4,650
75°	3,287
85°	1,771

## Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	521.8	81.5
0-40	578.5	90.3
0-60	623.1	97.3
60-90	17.5	2.7
0-90	640.6	100
90-180	0	0
0-180	640.6	100

## Cautions

- Added weight may cause instability of free-standing portable lamps. Use only with portable lamps in which the distance from the bottom of the base to the top of the lamp holder does not exceed three (3) times the base width. Use only with portable lamps which are provided with lamp shades.
- This device is not intended for use with emergency exit fixtures or emergency exit lights.
- Not for use where exposed to the weather.
- Risk of Electric Shock, Do Not Use Where Directly Exposed to Water** – Do not open – no user serviceable parts inside. Turn power off before inspection, installation, or removal.
- 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.
- Use only on 120 Volt, 60 Hz circuits.



Lighting Science Group Corporation

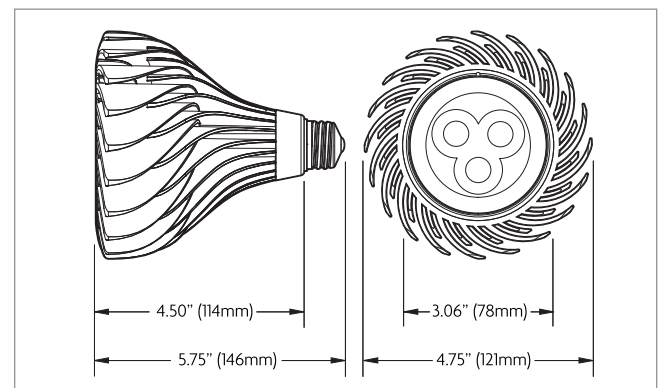
1227 S. Patrick Drive BLDG 2A

Satellite Beach, FL 32937

t: 877-999-5742

www.lsgc.com

Specifications subject to change.



Dimensions shown in inches (mm)

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Lighting Science Group:](#)

[SOL-R38DM-WW-NFL-E26](#)