Solar Series - MRI

White LED Curved Recessed Slot Light

MRI Compatible

Amico Lighting Solutions

Product Description

The White LED Curved Recessed Slot Lights are designed for MRI suite applications with a non-ferrous assembly which can be mounted in recessed applications within the MRI room. Consult factory for custom shapes. Contains no on-board electronics therefore will not interfere with MRI imaging. Certified to meet MRI vendor EMI requirements. MRI applications require EMI free emissions for specific frequency bands. All drive circuitry employs linear regulation and no pulse width modulation (PWM*).

Performance Summary

- Input Power: 23 watts
- Limited Warranty: 3 years
- Lifetime: Designed to last 50,000 hours
- Dimming: Linear

Mechanical

	Minimum	Typical	Maximum	Units
Package	-	LED Strip	-	-
Electrical Connection	-	Junction Box	-	-
Dimensions	-	6.75W x 6.375D	-	inches
Fixture Weight	-	21.5	-	lbs per Section

Electrical

	Minimum	Typical	Maximum	Units
Input Voltage	-	12	-	Vdc
Input Current	-	1.9	-	A
Input Power	-	23	-	W
Heat	-	78	-	BTU/h

Compliance

	Minimum	Typical	Maximum	Units
IP	25	-	-	Dry Location
Regulatory	-	Listed	-	UL 2108 CSA 22.2#250.0
RoHS	-	Pending	-	2011/65/EU

Environmental

	Minimum	Typical	Maximum	Units
Storage Temperature	-40	25	85	C
Operating Temperature	-20	25	35	C
Humidity	5	-	95	%
Lifespan	50000	-	-	Hours
Warranty	3	-	-	Years

Installation Notes

An Amico RF Filter is required for proper operation in the MRI suite

An Amico Power Supply is required for proper operation in the MRI suite

*PWM is known to cause image artifacts, audible noise and light flicker

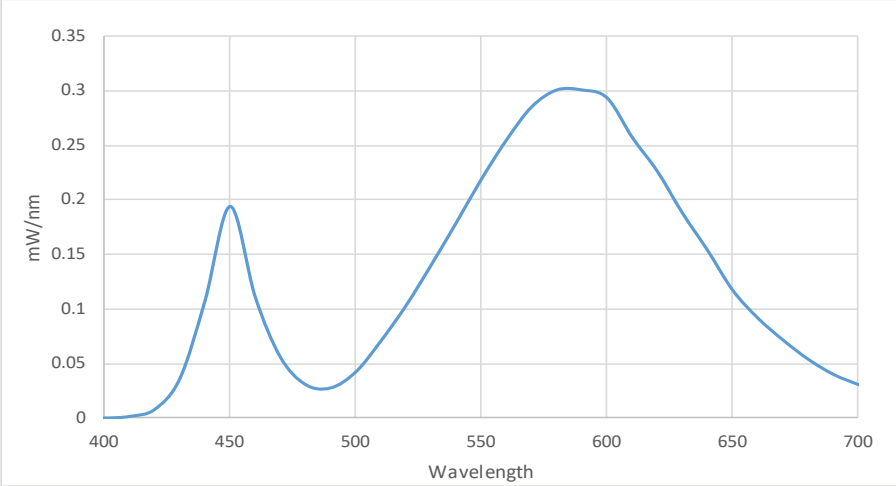
Ordering Information

Part Number	Description
1-07-000089	White LED Curved Recessed Slot Light

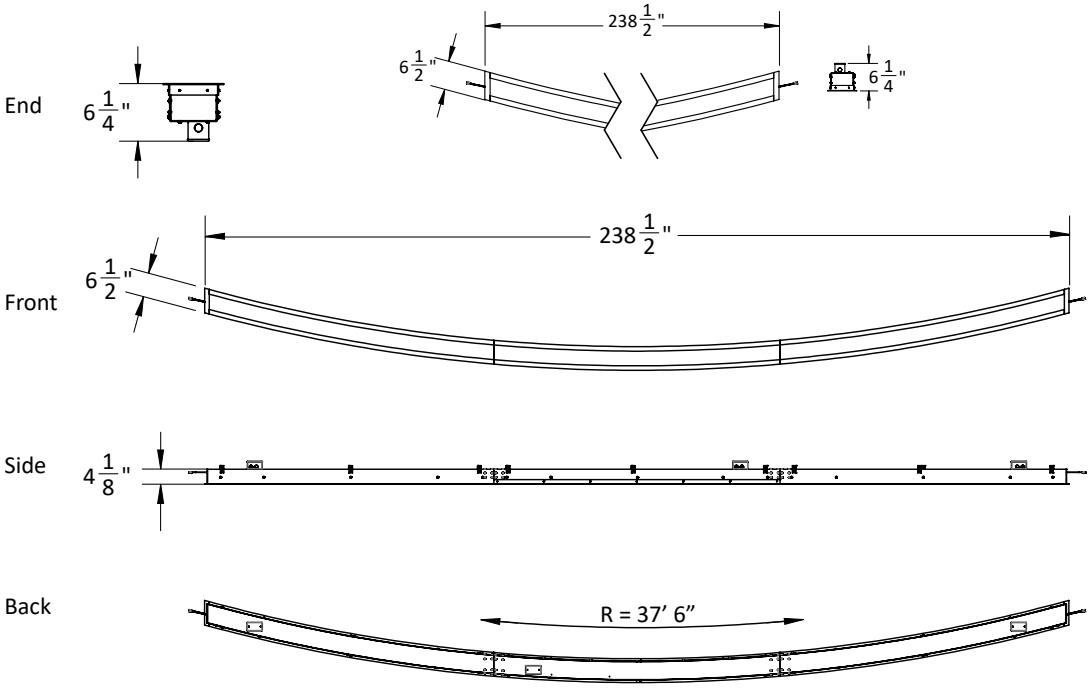
Photometric Data and IES Distribution

	Minimum	Typical	Maximum	Units
Luminous Flux (per section)	850	-	-	lm
CCT	-	3100	-	k
CRI	72.9	-	-	
Chromaticity (u')	-	0.244	-	
Chromaticity (v')	-	0.519	-	
Efficacy	-	73	-	lm/W

Spectral Data Over Visible Wavelength



Mechanical Dimensions*†



** For informational purposes only. Content subject to change.*

† Standard dimensions shown, contact factory for custom lengths.