

RGB Rigid Bar LED Light Strip

MRI Compatible



Product Description

The RGB LED Light Strip is a non-ferrous high output linear light strip for indirect or direct view as an interior architectural design lighting package. Specially designed circuitry allows for modifying length in 3cm sections of three LED segments and up to eight light strips can be interconnected. RGB LED Light Strip offers exceptionally cool operation for long LED lifetime and color stability. Contains no on-board electronics to 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*).

3-07-000006

Performance Summary

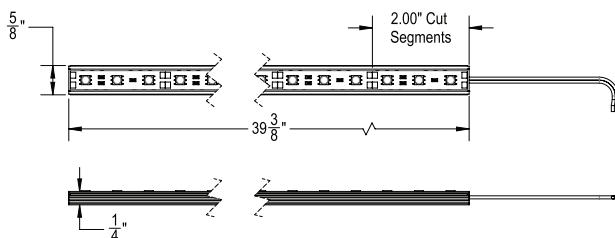
Initial Delivered Lumens: 350 lm

Input Power: 11.5 watts

Limited Warranty: 3 years

Lifetime: Designed to last 50,000 hours

Dimming: Linear



Mechanical

	Minimum	Typical	Maximum	Units
Package	-	LED Strip	-	-
Electrical Connection	-	Low Voltage 4 Pin Connector	-	-
LED Type	-	5050	-	-
LED Count	-	60	-	per meter
Clips	-	3	-	per meter
Custom Length	-	Variable	-	-
Fixture Weight	-	0.3	-	lbs

Electrical

	Minimum	Typical	Maximum	Units
Input Voltage	-	12	-	Vdc
Input Current	-	0.97	-	A
Input Power	-	11.6	-	W
Wiring	-	Parallel only	-	-

Compliance

	Minimum	Typical	Maximum	Units
IP	25	-	-	Dry Location
ETL/UL	-	Listed	-	UL 8750/2108
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

A PDC RF Filter is required for proper operation in the MRI suite

A PDC Power Supply is required for proper operation in the MRI suite

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



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Intertek

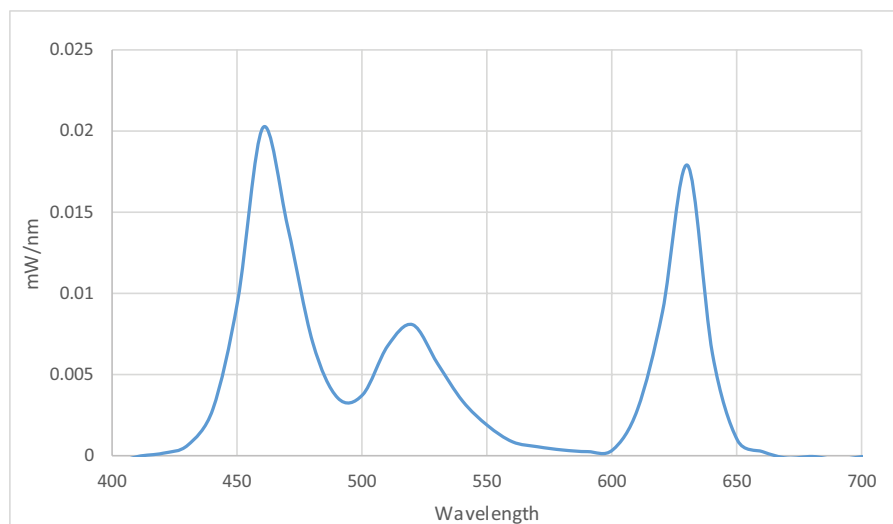
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Photometric Data and IES Distribution

Photometric				
	Minimum	Typical	Maximum	Units
Lumen	-	350	-	lm
Luminous Intensity (Red)/LED	400	-	-	mcd
Luminous Intensity (Green)/LED	900	-	-	mcd
Luminous Intensity (Blue)/LED	300	-	-	mcd
Wavelength (Red)	-	620	-	nm
Wavelength (Green)	-	520	-	nm
Wavelength (Blue)	-	460	-	nm
Efficacy	-	29	-	lm/W
Viewing Angle	-	120	-	deg

Spectral Data Over Visible Wavelength



Polar Plot

