

1075 Series - Step Lighting System, 24VDC Datasheet



Product Overview

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- 24V Input LED Lighting System.
- High reliability lighting grade chip LED technology.
- LED life expectancy greater than 130,000 hrs to 70% of initial light output.
- Ultra-high reliability design.
- Low maintenance costs.
- Offers energy savings compared to conventional light sources.
- White and Red light sources on one board.

Product variants

- 258.6mm LED module
- 254.5mm LED module

Technical Overview

Input Specification

	White Lighting	Red Lighting
Input Supply	16.8V dc – 32V dc	
Input Voltage Limit Without Damage	50V	
Maximum Input Current	0.05A	0.05A
Nominal Input Current	0.04A	0.04A
Nominal Input Power	1.0W	1.0W
IO Connection	Wago 769 series	

Output Specification (White)

LED Technology	Samsung LM301B
Colour Temperature	5000K
Luminous Flux	36-38lm
CRI	>80
Efficacy	210lm/W



Output Specification (Red)

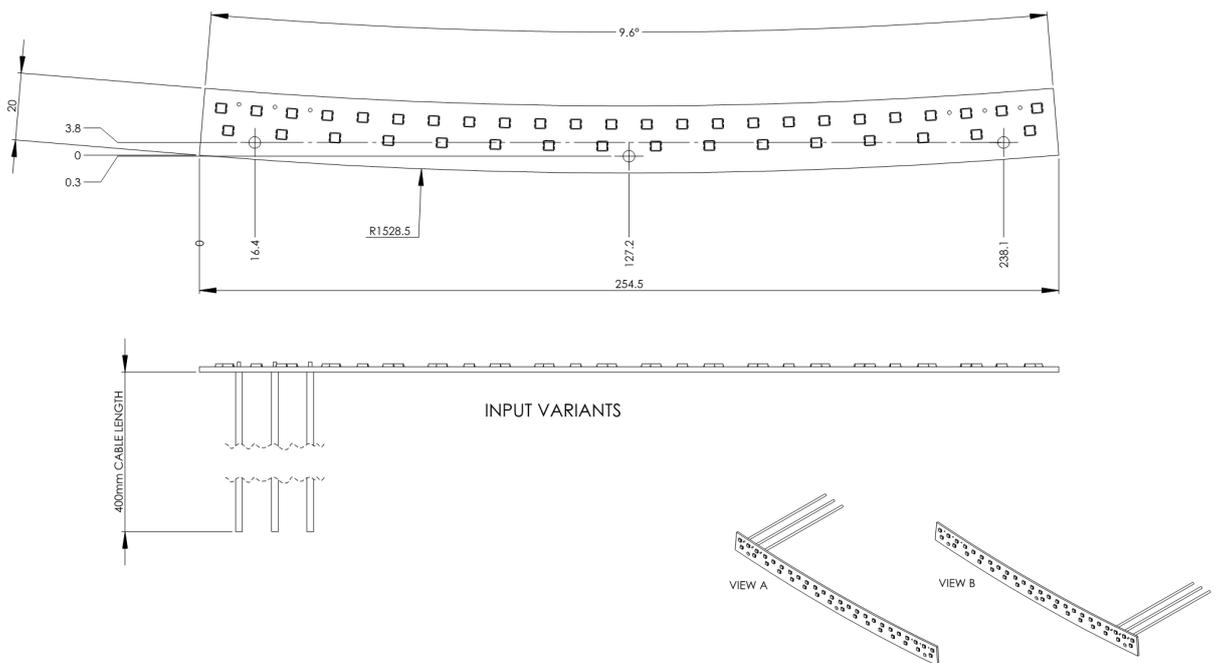
LED Technology	Luxeon 3535I
Peak Wavelength	620-630nm
Luminous Flux	13.5lm Typical

General Specification

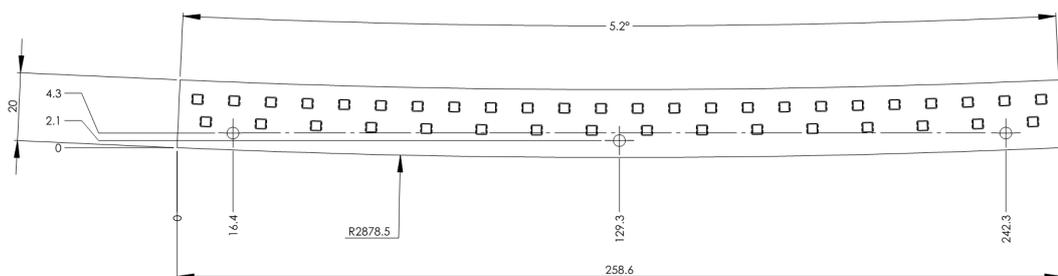
Operating Temperature Range	-25°C - +70°C
Led Rated Life – L70B10	>130,000 hrs
MTBF Ground Mobile 40°C (Power supplies, LEDs, control and interface circuitry)	TBC
Module dimensions:	
LED module 254.5mm	254.5mm x 20mm, 1528.5mm OD
LED module 258.6mm	258.6mm x 20mm, 2878.5mm OD

Mechanical Specification

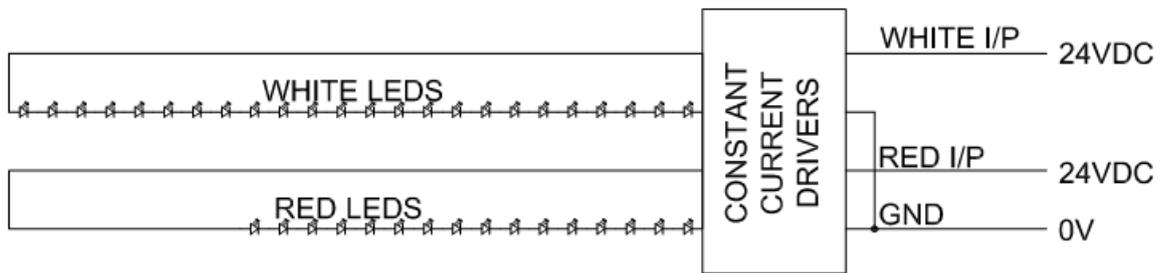
254.5mm Module



258.6mm Module



Electrical Configuration



Compliance

The 1075 series are designed to comply with the following standards:

- › EN50121-3-2
- › EN61373
- › EN50155

Safety -

- › Input Voltage Transient Suppression.
- › Reverse Polarity Protection.
- › Input Fuse Per LED Driver protecting against consequential failures and damage

