

## Datasheet

LED pixel specification

LED pixel type:  
**LP12V3LTM1914AOPAL**

Description:  
**Digital LED Pixel 3-LED TM1914 OPAL (12V, 5050, 32mm)**



Date:  
11-7-2021

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Basic Parameters	
LED Type	5050 SMD
Color	RGB
Viewing Angle ( $\theta$ )	180 $\pm$ 5°
LEDs per pixel	3
Numbers of channels	3
IC type	TM1914
IP grade	IP64
Dimensions	32 mm x 20 mm
Weight	2 gram
Lifespan	50,000 hours
LB Value	L80B50
BIN	3 SDCM
Warranty	2 Years

Environment Parameters	
Working Temperature	-25°C ~ +70°C
Storage Temperature	-20°C ~ +60°C

Electronic Specifications	
Working Voltage	DC 12V
Working Current	0.06 A / mtr
Working Wattage	0.75 W / mtr
Driving Method	Digital

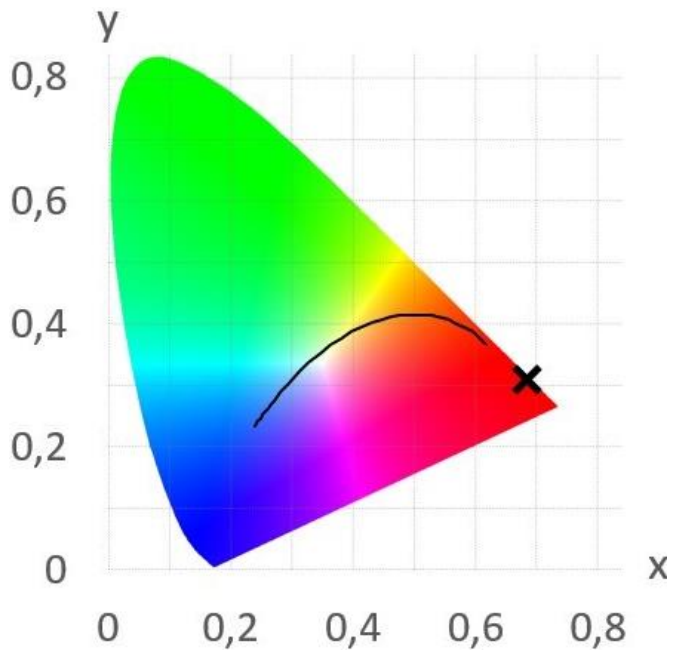
Dimensions	
Wires	80 mm
Pixel diameter	35 mm
Total height	26 mm
Thread	27 mm
Hole diameter	27 mm
Nut diameter	38 mm
Installation	20 mm

Luminous Flux (Lumen/Meter)
50 Lumen

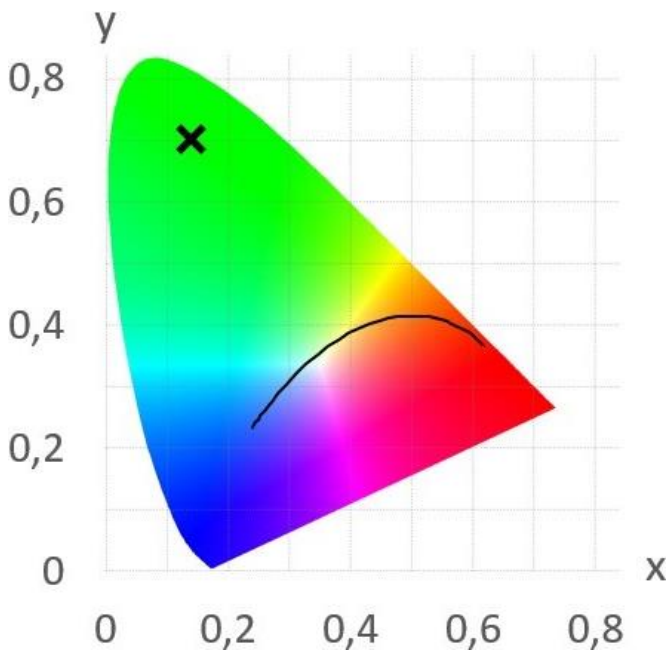
Wave Length/ Color Temperature	(nm/k)
Red	620 ~ 630 nm
Green	510 ~ 525 nm
Blue	455 ~ 470 nm

Wire color	Symbol	Function description
White	GND	Ground
Blue	D2	Data 2
Green	D1	Data 1
Red	+12V	12V logic power supply

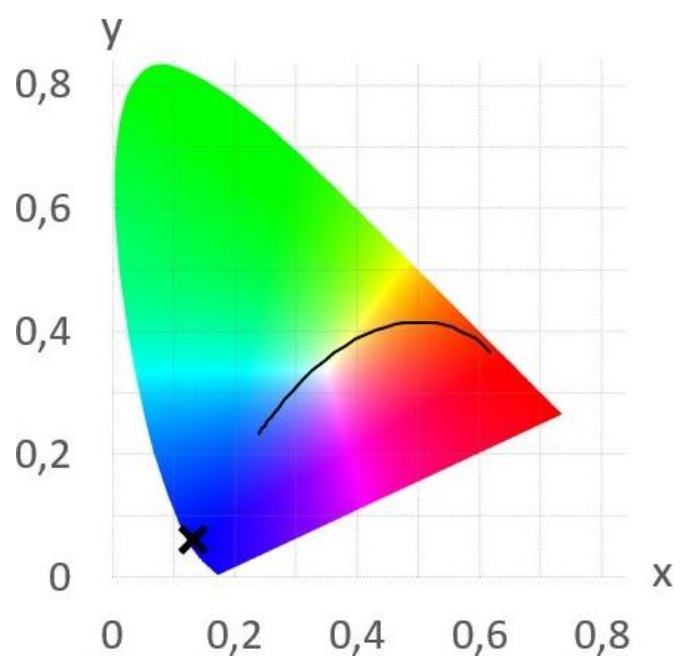
**CIE1931 Red:**



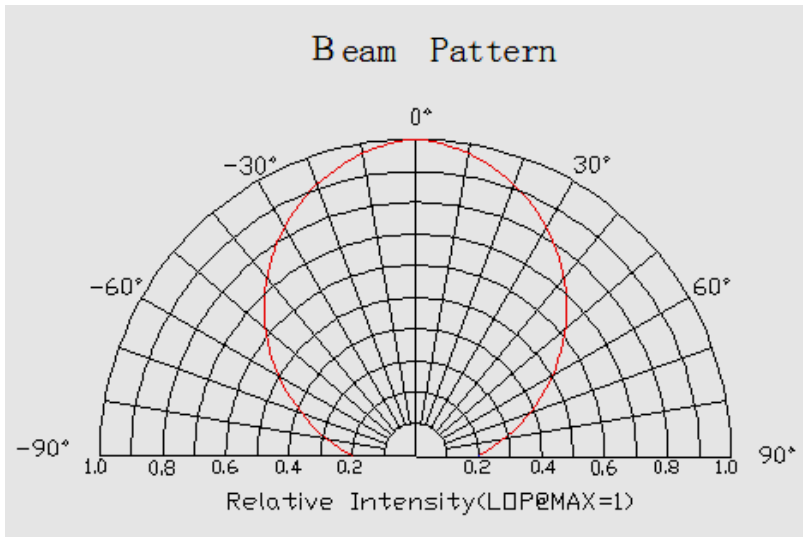
**CIE1931 Green:**



**CIE1931 Blue:**

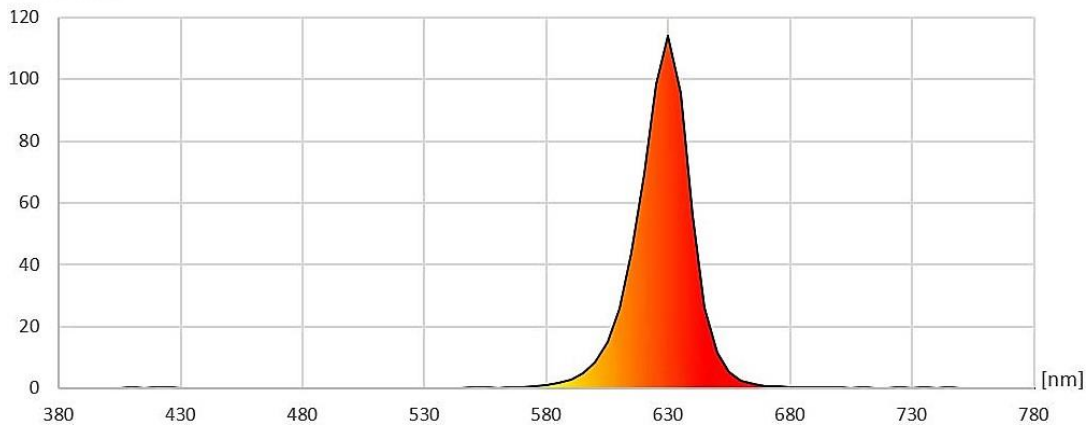


**Optical Characteristics Curve:**



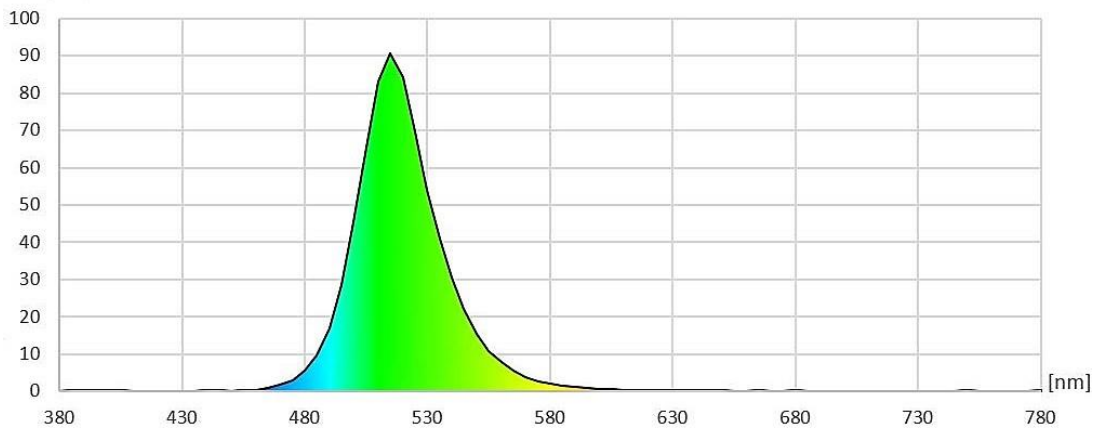
**Wavelength Red:**

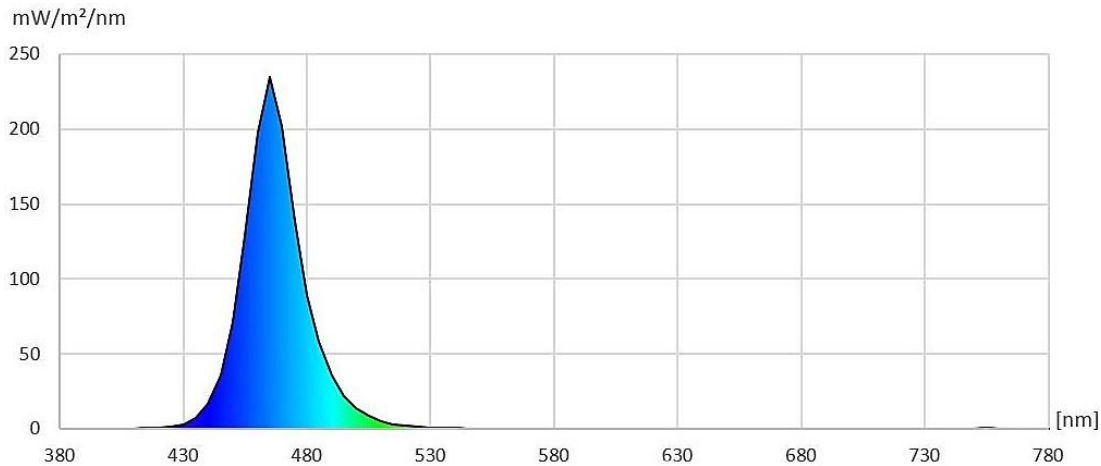
mW/m<sup>2</sup>/nm



**Wavelength Green:**

mW/m<sup>2</sup>/nm



**Wavelength Blue:****Certificate of Conformity:**

EC Council Directive 2004/108/EC  
Electromagnetic Compatibility

**Complies to the standards:**

- NEN-EN-IEC 61000-3-2:2019/A1:2021
- NEN-EN-IEC 61000-3-3:2013+A1:2017+A2:2021
- NEN-EN-IEC 61547:2009

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