

LM-79 Test Report

Relevant Standards

IES LM-79-2008
IES TM-30-2015
CIE 13.3-1995

Product SKU

BLAZE™ COLORS LED Tape Light (Green)
SKU: DI-12V-BLC-GN-016

Test Conditions

Test Temperature: 26.5 °C
Luminaire Sample Length: 39.0 in.
Power Supply: Agilent E3634A DC Power Supply
Voltage: 12.0 VDC
Current: 0.81 A
Power Consumption: 9.72 W

Test Date

3/23/2020

Prepared By



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Approved By



Andrew Lassen, Compliance Manager

The results contained in this report pertain only to the tested sample.

Photometric & Colorimetry data measured in accordance to IES LM-79-2008 standards, at the Elemental LED, Inc. Innovation Lab.

Integrating Sphere Test

Product	BLAZE™ COLORS LED Tape Light (Green)
SKU:	DI-12V-BLC-GN-016
Product Type:	Tapelight
LEDs/ft:	36
Power	Agilent DC Power Supply
Controller:	None

Luminaire Image



Sample	1 meter
Voltage:	12V
Current:	0.81A
Wattage:	9.7 Watts [3.0 Watts/ft]
Luminous	982 lumens [299 lumens/ft]
Radiant Flux:	2094737000 microWatts
Efficacy:	101 lumens/Watt
CRI (Ra):	N/A
Dominant Wavelength:	525.6 nm

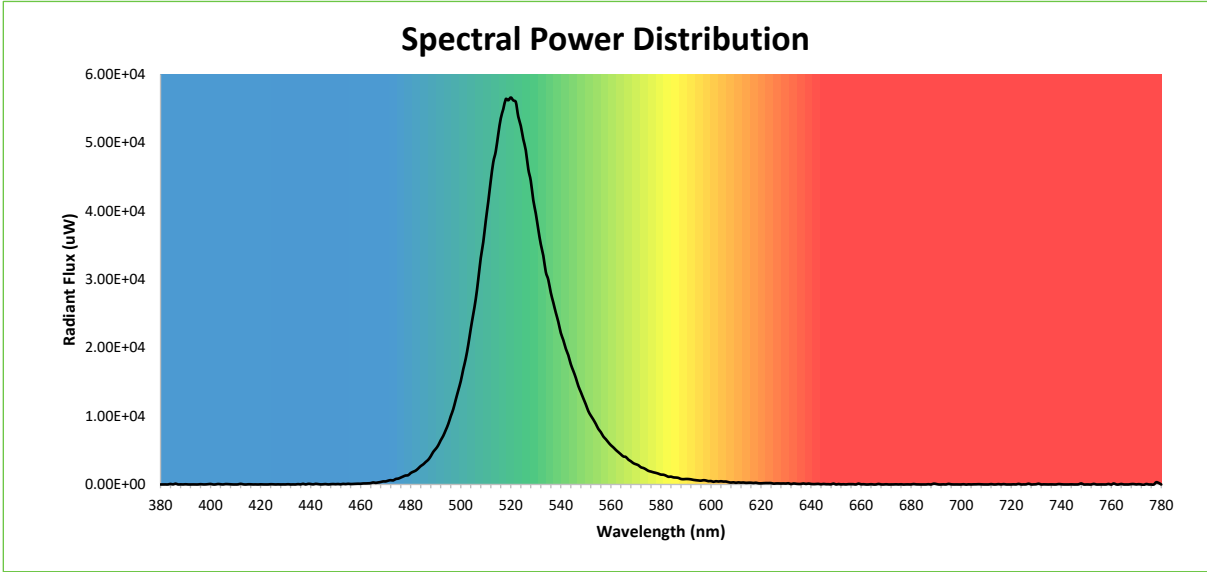
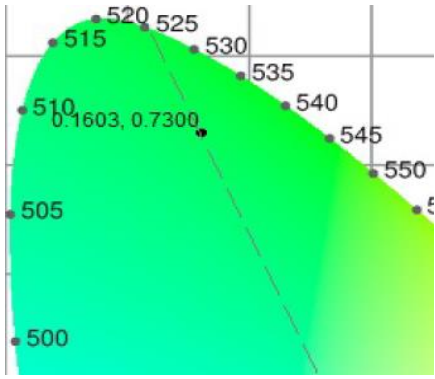
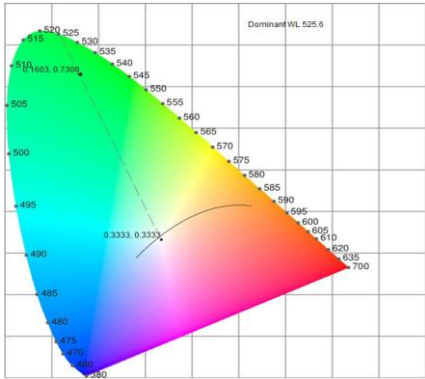
CIE 1931 2 degree coordinates

x	y	u'	v'
0.1603	0.7300	0.0561	0.5743

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CIE 1931 2 degree Plots



Goniophotometer Test

SUMMARY OF RESULTS

Luminaire: BLAZE™ COLORS LED Tape Light (Green)
 SKU: DI-12V-BLC-GN-016
 Luminous Flux: 997 Lumens
 Power Consumption: 8.64 Watts
 Efficacy: 115.4 Lumens/Watt
 Spacing Criterion (0-180): 1.38
 Spacing Criterion (90-270): 1.38

Graphs below are for reference, full IES files are available on Diode LED website

DISTRIBUTION CHARTS AND TABLES

Zonal Lumen Data

<u>Zone</u>	<u>Lumens</u>	<u>%Luminaire</u>
0-20	107.80	10.8
0-30	233.52	23.4
0-40	392.93	39.4
0-60	741.56	74.4
0-80	969.10	97.2
0-90	996.51	100
20-40	285.14	28.6
20-50	461.58	46.3
40-70	490.12	49.2
60-80	227.54	22.8
70-80	86.05	8.6
80-90	27.41	2.8
90-180	0	0
0-180	996.51	100

