

VEROBOARD®

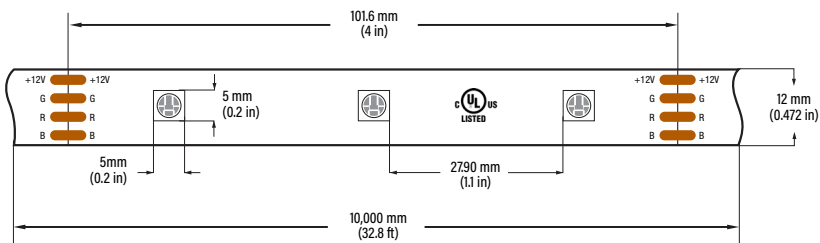
LED Type: VBDFS-5050-RGB-30-12-NS
 Colour: RGB



DESCRIPTION

Flexible 12 mm wide linear LED strip. Available in 10 meter (32.8 feet) rolls that can be cut every 3 LEDs (100 mm or 4 in). The LED Strip lights are manufactured with high-quality materials and designed for professional lighting. Every strip light begins with a heavy-duty dual-core copper printed circuit board (PC Board), it is then soldered with an array of chips and color options. Moreover, the strip lights come with a strong 3M adhesive backing. They can be cut to any size (marked interval points) and rejoined by soldering.

DIMENSIONS



SPECIFICATIONS

Model:	VBDFS-5050-RGB-30-12-NS
Color Temperature:	RGB
LED Type:	5050 SMD
LED Qty:	30 LEDs per meter
Input Voltage (VF):	12V DC
Power:	7W per meter (2W/ft)
Brightness:	2600-3000 MCD
Lifespan:	>50,000 hours
PCB:	4oz PCB, Double-side, white colour 12mm width
IP Rating:	IP20 (Indoor use only)
Rendering Index (Ra):	CRI>95
Beam Angle:	120°
Dimmable:	Yes
Cut Size:	Every 3 LED chips (3.9")
Dimensions:	10,000 x 12 x 2.15mm (393.6" x 0.47" x 0.08")
Certificates:	UL / RoHs
Roll Length:	10 meter roll (32.8ft)

Contact Name: _____

Company: _____

Phone: _____

Email: _____

	Wattage
Per Foot	2W/ft
Per Meter	7W/m



666561423919



ORDERING GUIDE

Example part number: **VBDFS - 5050 - RGB - 30 - 12 - NS**

MODEL	SERIES	COLOUR	LEDS/METER	VOLTAGE	LENGTH
VBDFS	5050	RGB	30	12V	XXXX
					Custom Length
					NS (Full Roll 10 Meter)



For more information about our products and services, please visit our website: www.veroboard.com

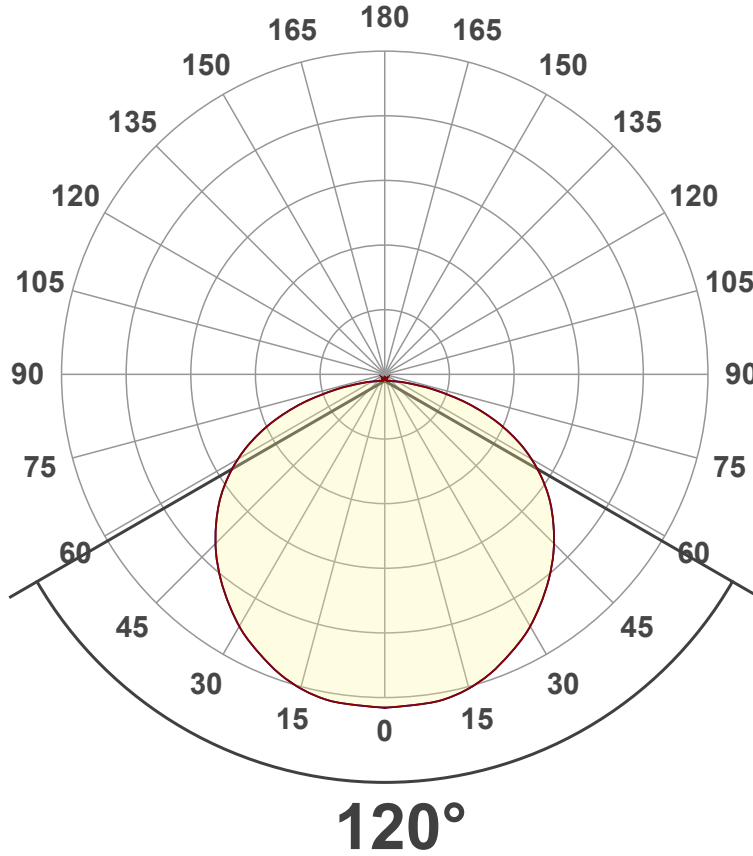
Light Measurement Report

Print date: 2023-04-26

Measurement date and time: 2023-04-26 2:05:20 PM – Measurement no. VFR-230426-0172-MS

Luminous Intensity diagram

Unit: 0-100% of peak intensity



Main Values

Lumen Up% / Down%	1.46% / 98.54%
Peak Intensity	6.15 cd
Beam Angle (50%)	120°
Beam Angle (90%)	126.5°
Beam Angle (10%)	126.5°

Cut-off Angle

Average 2,5%	177.6°
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Field Angle

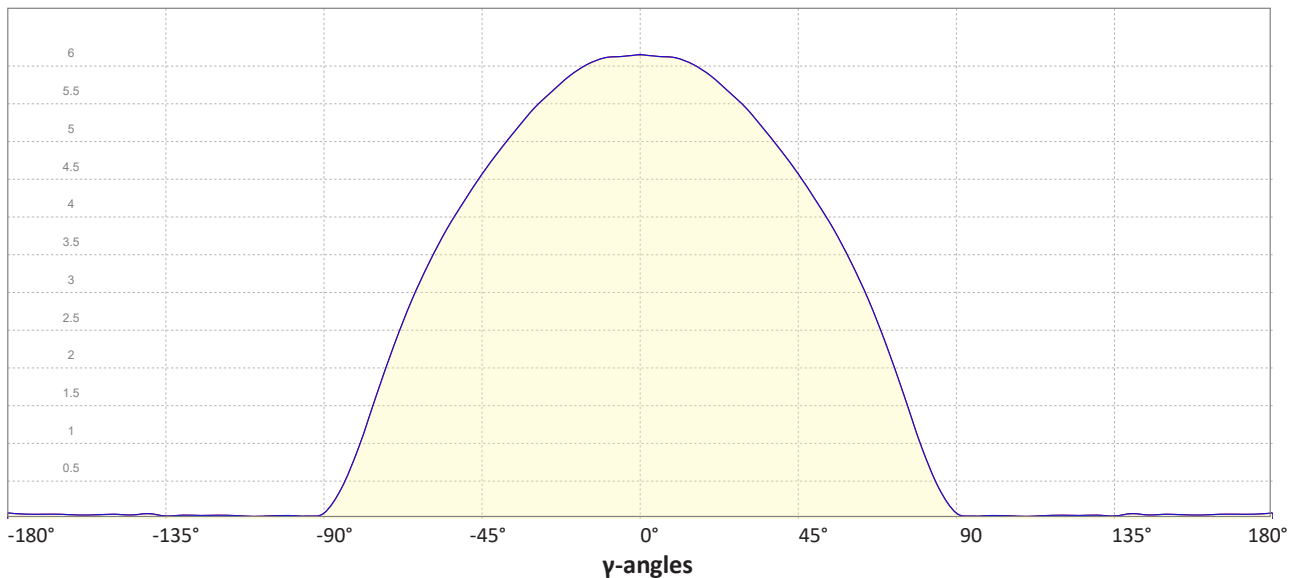
Average 10%	166.2°
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Intensity Ratio

In 120° cone	73.7%
In 90° cone	48.3%

C000-C180
C090-C270

Linear distribution diagram - Intensity (candela) vs γ -angle

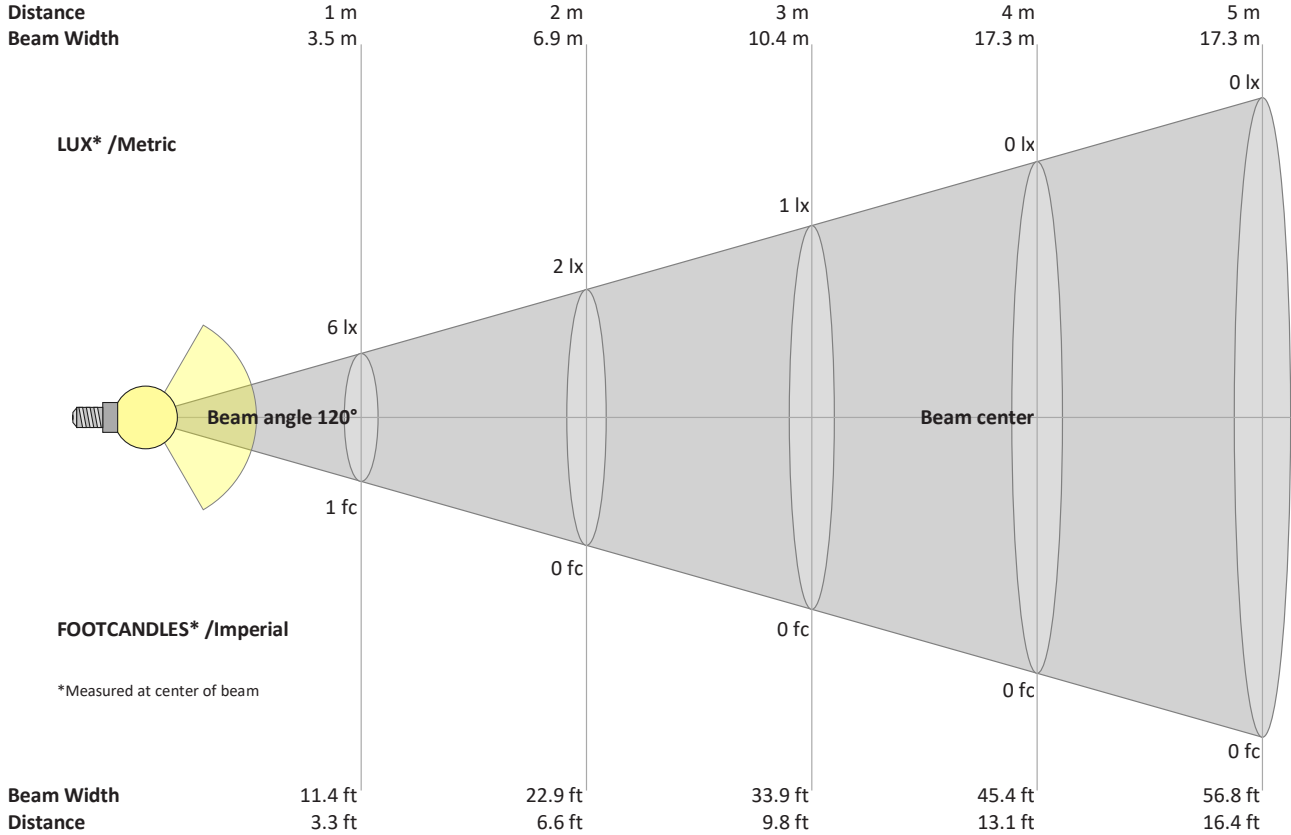


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Beam Details



Beam intensities from 1 – 20 m

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	m	
3.3	6.6	9.8	13.1	16.4	19.7	23	26.2	29.5	32.8	36.1	39.4	42.7	45.9	49.2	52.5	55.8	59.1	62.3	65.6	ft	
6	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	lux
0.6	0.1	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	fc

Intensities in 0° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	y	
6.15	6.13	6.11	6.02	5.87	5.67	5.45	5.17	4.88	4.57	4.22	3.84	3.40	2.90	2.31	1.65	0.96	0.41	0.08	0.04	0.04	cd
100%	100%	99%	98%	95%	92%	89%	84%	79%	74%	69%	62%	55%	47%	38%	27%	16%	7%	1%	1%	1%	of 0°val

Intensities in 90° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	y	
6.15	6.13	6.11	6.02	5.87	5.67	5.45	5.17	4.88	4.57	4.22	3.84	3.40	2.90	2.31	1.65	0.96	0.41	0.08	0.04	0.04	cd
100%	100%	99%	98%	95%	92%	89%	84%	79%	74%	69%	62%	55%	47%	38%	27%	16%	7%	1%	1%	1%	of 0°val

Intensities in 180° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	y	
6.15	6.13	6.11	6.02	5.87	5.67	5.45	5.17	4.88	4.57	4.22	3.84	3.40	2.90	2.31	1.65	0.96	0.41	0.08	0.04	0.04	cd
100%	100%	99%	98%	95%	92%	89%	84%	79%	74%	69%	62%	55%	47%	38%	27%	16%	7%	1%	1%	1%	of 0°val

Intensities in 270° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	y	
6.15	6.13	6.11	6.02	5.87	5.67	5.45	5.17	4.88	4.57	4.22	3.84	3.40	2.90	2.31	1.65	0.96	0.41	0.08	0.04	0.04	cd
100%	100%	99%	98%	95%	92%	89%	84%	79%	74%	69%	62%	55%	47%	38%	27%	16%	7%	1%	1%	1%	of 0°val