

# VEROBOARD®

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

Contact Name: \_\_\_\_\_

Company: \_\_\_\_\_

Phone: \_\_\_\_\_

Email: \_\_\_\_\_



## DESCRIPTION

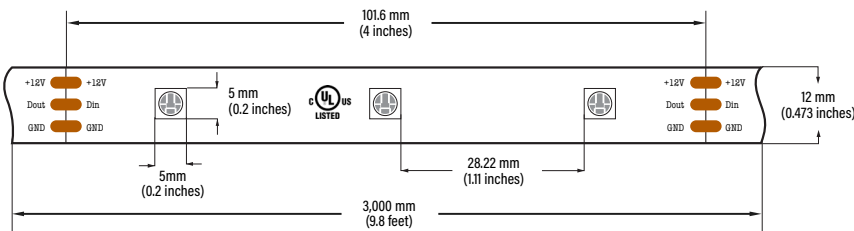
Flexible 12 mm wide linear LED strip. Available in 3 meter (9.8 feet) rolls that can be cut every 3 LEDs (100 mm or 4 in). The LED Strip lights are manufactured with high-quality materials and designed for professional lighting. Every strip light begins with a heavy-duty dual-core copper printed circuit 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.

	Wattage
Per Foot	1.8W/ft
Per Meter	6W/m



666561428419

## DIMENSIONS



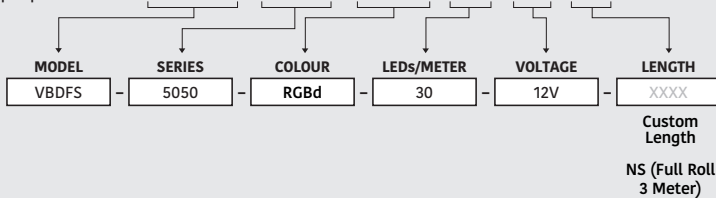
## SPECIFICATIONS

<b>Model:</b>	VBDFS-5050-RGBd-30-12-NS
<b>Color Temperature:</b>	RGB
<b>LED Type:</b>	5050 SMD
<b>LED Qty:</b>	30 LEDs per meter
<b>Input Voltage (VF):</b>	12V DC
<b>Power:</b>	6W per meter (1.8W/ft)
<b>Brightness:</b>	750lm/m (228lm/ft)
<b>Lifespan:</b>	>50,000 hours
<b>PCB:</b>	4oz PCB, Double-side, white colour 12mm width
<b>IP Rating:</b>	IP20 (Indoor use only)
<b>Rendering Index (Ra):</b>	CRI>95
<b>Beam Angle:</b>	120°
<b>Dimmable:</b>	Yes
<b>Cut Size:</b>	Every 3 LED chips (4")
<b>Dimensions:</b>	3,000 x 12 x 2.15mm (118" x 0.47" x 0.08")
<b>Certificates:</b>	UL / RoHs
<b>Roll Length:</b>	3 meter roll (9.8ft)



### ORDERING GUIDE

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



For more information about our products and services, please visit our website: [www.veroboard.com](http://www.veroboard.com)

Light efficiency:

3 Lumen/Watt

Light quality:

CRI: 0

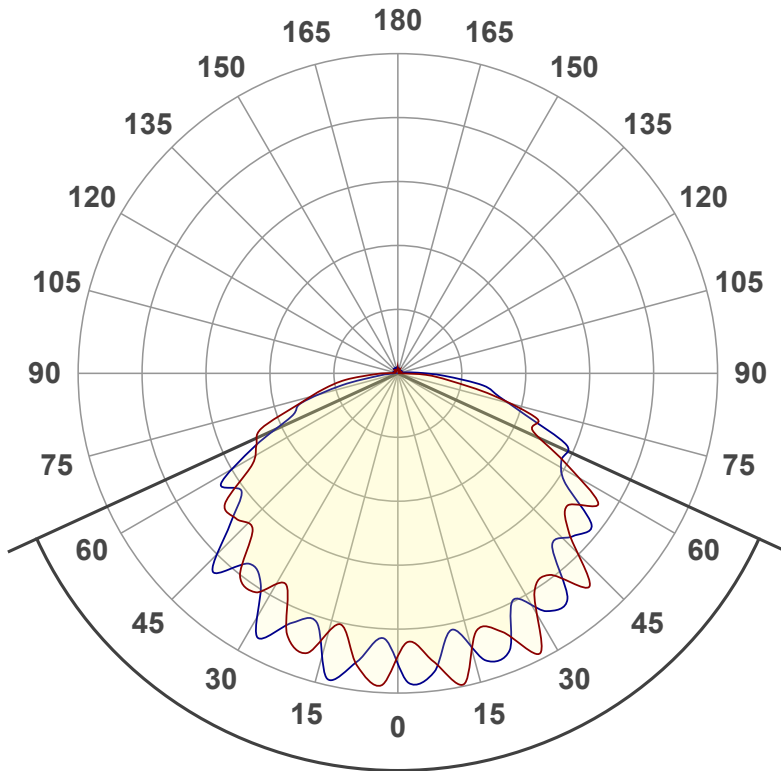
Color temperature:

32268 K

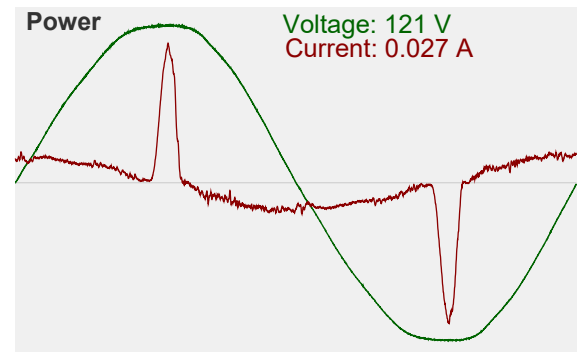
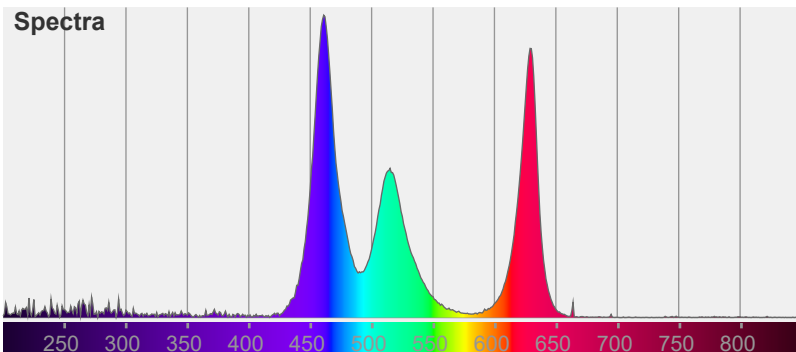
Output: 3.38 lm  
Peak: 0.968 cd

Power: 1.2 W  
PF: 0.35

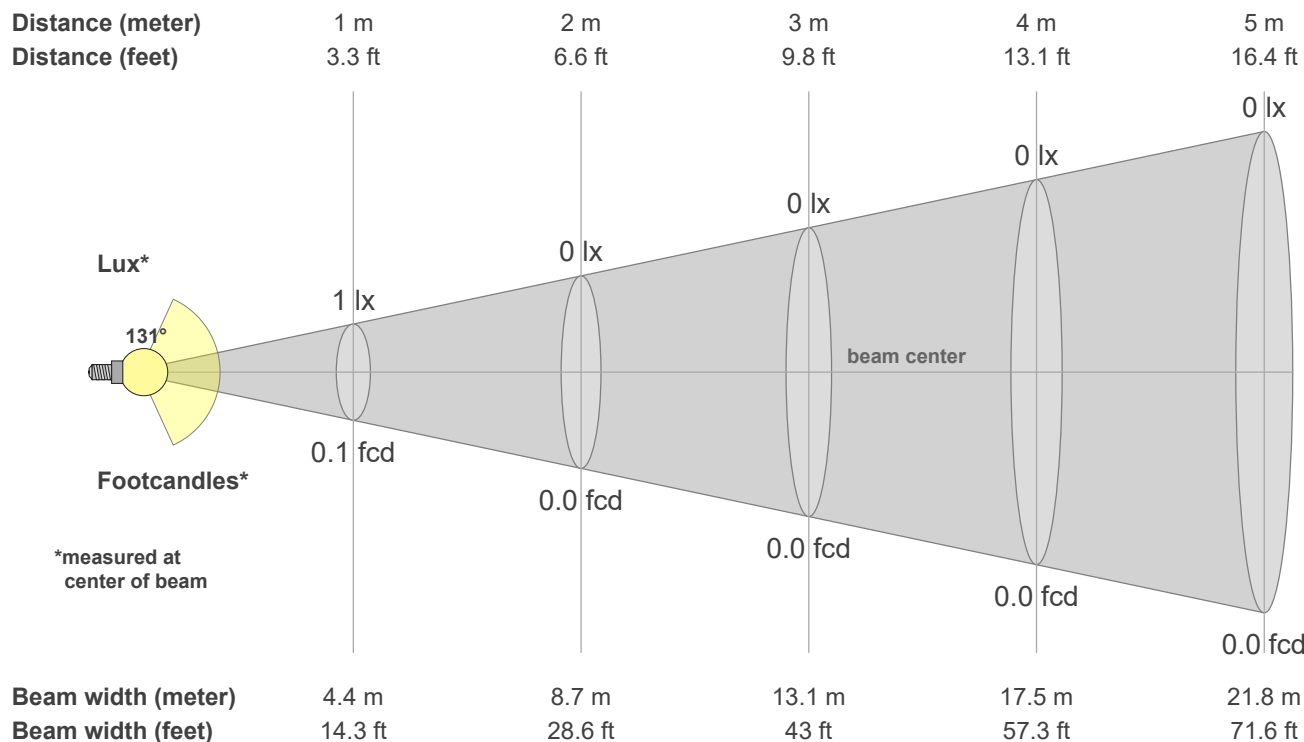
2 PLANES



Beam angle **120°**



Light measurement was created using the Viso Systems - Light Inspector. [www.visosystems.com](http://www.visosystems.com)



**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°
0.881	0.858	0.934	0.879	0.837	0.913	0.854	0.775	0.831	0.777	0.678	0.699	0.635	0.497	0.446	0.356	0.215	0.115	0.038	0.007
100%	97%	106%	100%	95%	104%	97%	88%	94%	88%	77%	79%	72%	56%	51%	40%	24%	13%	4%	1%

**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°
0.881	0.927	0.844	0.868	0.911	0.828	0.823	0.857	0.764	0.718	0.741	0.662	0.580	0.561	0.467	0.353	0.284	0.189	0.092	0.036
100%	105%	96%	99%	103%	94%	93%	97%	87%	81%	84%	75%	66%	64%	53%	40%	32%	21%	10%	4%

**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°
0.881	0.930	0.852	0.829	0.883	0.809	0.755	0.789	0.728	0.654	0.661	0.604	0.507	0.470	0.393	0.279	0.203	0.122	0.048	0.017
100%	106%	97%	94%	100%	92%	86%	90%	83%	74%	75%	69%	58%	53%	45%	32%	23%	14%	5%	2%

**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°
0.881	0.839	0.913	0.893	0.809	0.860	0.853	0.754	0.772	0.771	0.651	0.612	0.577	0.433	0.332	0.253	0.127	0.041	0.015	0.011
100%	95%	104%	101%	92%	98%	97%	86%	88%	87%	74%	69%	65%	49%	38%	29%	14%	5%	2%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2.5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
130.8°	171.9°	183.5°	69.9%	44.5%