

VEROBOARD®

LED Type: VBDFS-COB840W4.5-RGB-24S
 Colour: RGB



Contact Name: _____

Company: _____

Phone: _____

Email: _____

DESCRIPTION

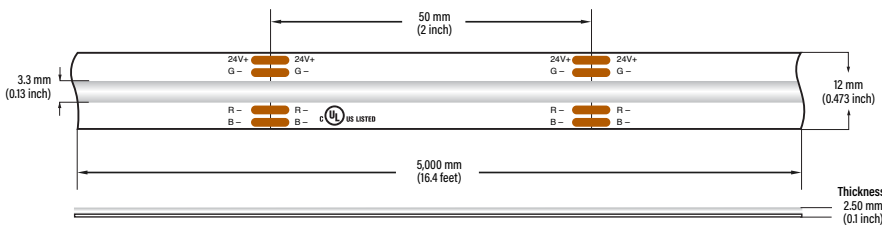
Flexible 12mm wide linear LED strip. Available in 5 meter (16.4 feet) rolls that can be cut every 2 inches. The LED Strip lights are manufactured with high-quality materials and designed for professional lighting. Every strip light begins with a heavyduty dual-core copper printed circuit board (PC Board), which 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. The RGB COB LED Strips can work with LED Controllers to adjust the static shade or dynamic settings, you can readjust the rate of dynamic setting or the illumination of fixed color.

	Wattage
Per Foot	4.5W/ft
Per Meter	15W/m



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DIMENSIONS

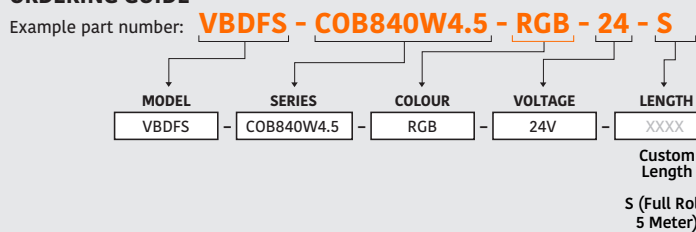


SPECIFICATIONS

Model:	VBDFS-COB840W4.5-RGB-24S
Color Temperature:	RGB
LED Type:	COB
LED Qty:	840 LEDs per meter
Input Voltage (VF):	24V DC
Power:	15W per meter (4.5W/ft)
Lifespan:	>50,000 hours
PCB:	3oz PCB, Double-side, white colour 12mm width
IP Rating:	IP20 (Indoor use only)
Rendering Index (Ra):	CRI>95
Beam Angle:	180°
Dimmable:	Yes
Cut Size:	Every 2"
Operating Temperature:	-15°C to +40°C
Dimensions:	5,000 x 12 x 2.50mm (196.8" x 0.473" x 0.1")
Certificates:	UL / RoHs
Roll Length:	5 meter roll (16.4ft)



ORDERING GUIDE



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

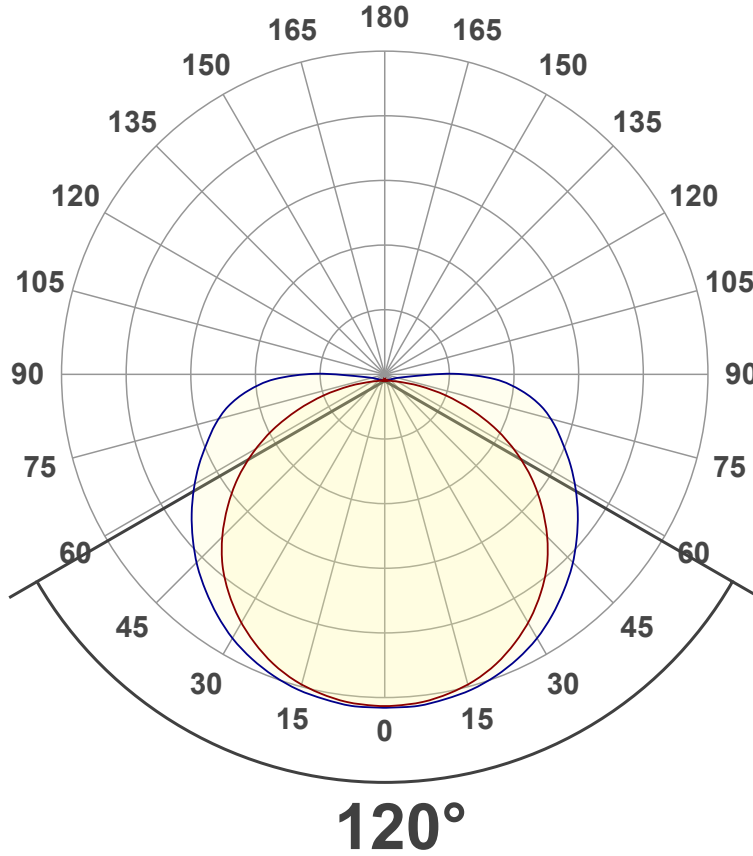
Light Measurement Report

Print date: 2023-05-02

Measurement date and time: 2023-05-02 1:21:58 PM – Measurement no. VFR-230502-0199-MS

Luminous Intensity diagram

Unit: 0-100% of peak intensity



Main Values

Lumen Up% / Down%	4.04% / 95.96%
Peak Intensity	6.42 cd
Beam Angle (50%)	120°
Beam Angle (90%)	160.5°
Beam Angle (10%)	119.7°

Cut-off Angle

Average 2,5%	193.3°
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Field Angle

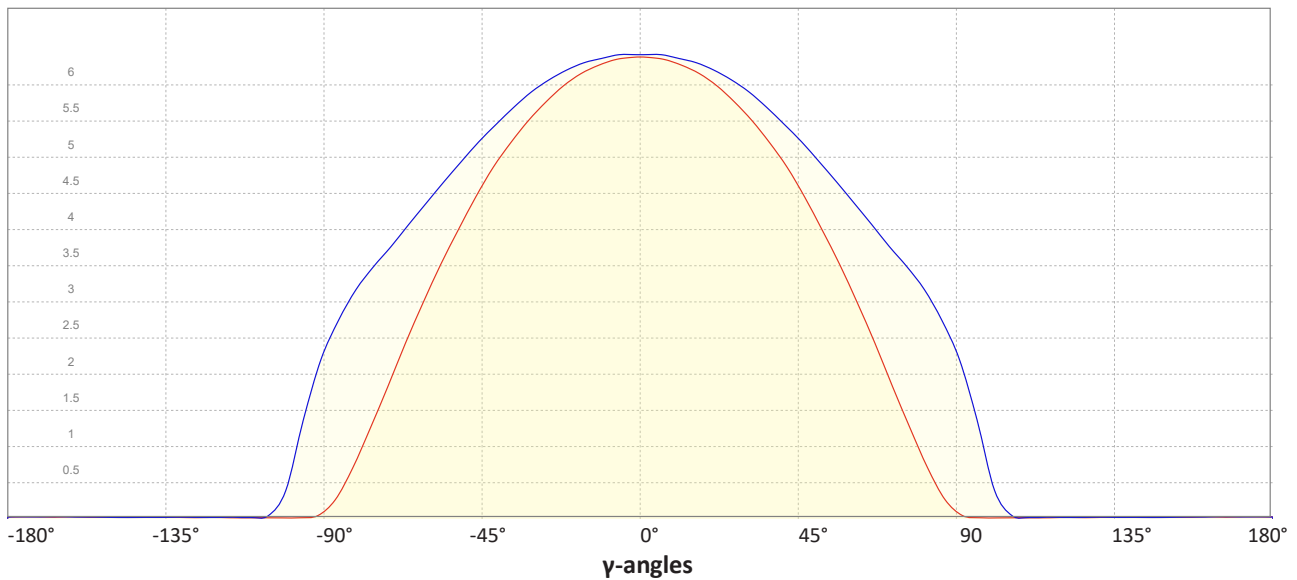
Average 10%	182.2°
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Intensity Ratio

In 120° cone	64.9%
In 90° cone	42.1%

C000-C180
C090-C270

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

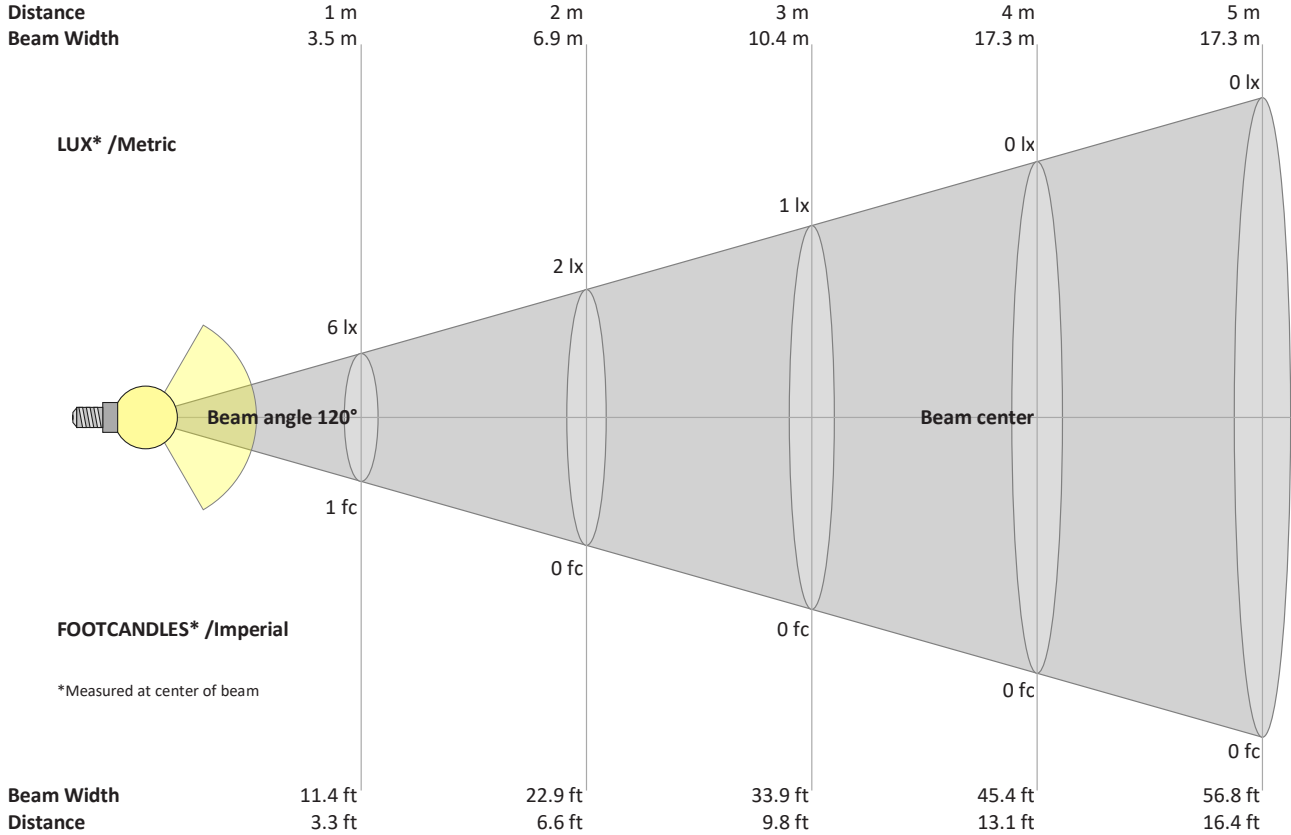


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Beam Details



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	lux
0.6	0.1	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	fc

Intensities in 0° c-plane

0°	9°	18°	27°	36°	45°	54°	63°	72°	81°	90°	99°	108°	117°	126°	135°	144°	153°	162°	171°	y
6.40	6.32	6.12	5.76	5.25	4.60	3.78	2.85	1.81	0.79	0.12	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.03	0.03	cd
100%	99%	96%	90%	82%	72%	59%	45%	28%	12%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	of 0°val

Intensities in 90° c-plane

0°	9°	18°	27°	36°	45°	54°	63°	72°	81°	90°	99°	108°	117°	126°	135°	144°	153°	162°	171°	y
6.40	6.39	6.27	6.03	5.69	5.26	4.77	4.24	3.70	3.16	2.30	0.76	0.03	0.02	0.02	0.02	0.02	0.02	0.03	0.03	cd
100%	100%	98%	94%	89%	82%	74%	66%	58%	49%	36%	12%	1%	0%	0%	0%	0%	0%	0%	0%	of 0°val

Intensities in 180° c-plane

0°	9°	18°	27°	36°	45°	54°	63°	72°	81°	90°	99°	108°	117°	126°	135°	144°	153°	162°	171°	y
6.40	6.32	6.12	5.76	5.25	4.60	3.78	2.85	1.81	0.79	0.12	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.03	0.03	cd
100%	99%	96%	90%	82%	72%	59%	45%	28%	12%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	of 0°val

Intensities in 270° c-plane

0°	9°	18°	27°	36°	45°	54°	63°	72°	81°	90°	99°	108°	117°	126°	135°	144°	153°	162°	171°	y
6.40	6.39	6.27	6.03	5.69	5.26	4.77	4.24	3.70	3.16	2.30	0.76	0.03	0.02	0.02	0.02	0.02	0.02	0.03	0.03	cd
100%	100%	98%	94%	89%	82%	74%	66%	58%	49%	36%	12%	1%	0%	0%	0%	0%	0%	0%	0%	of 0°val