

VEROBOARD®

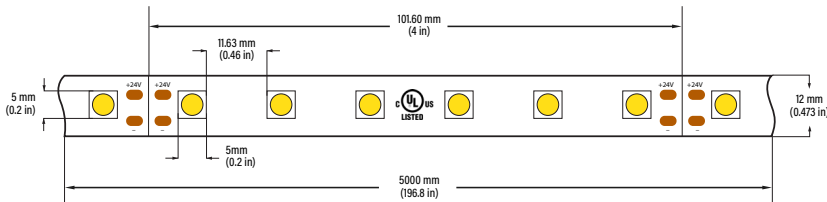
LED Type: VBDFS-5050-4000-60-24-NS
 Colour: 4000K



DESCRIPTION

Flexible 12 mm wide linear LED strip. Available in 5 meter (196.8 inches) rolls that can be cut every 6 LEDs (101.6 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), which is then soldered with an array of chips and color options. They can be cut to any size (marked interval points) and rejoined by soldering.

DIMENSIONS



SPECIFICATIONS

Model:	VBDFS-5050-40000-60-24-NS
Color Temperature:	4000K (Natural White)
LED Type:	5050 SMD
LED Qty:	60 LEDs per meter
LM/LED:	20-22 Lm per LED
Input Voltage (VF):	24V DC
Power:	14.4W per meter (4.5W/ft)
Brightness:	1200-1320 Lm/meter (360-402 Lm/ft)
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 6 LED chips (4")
Operating Temperature:	-15°C to +40°C
Dimensions:	5,000 x 12 x 2.15mm (196.8" x 0.47" x 0.08")
Certificates:	UL / RoHs
Roll Length:	5 meter roll (16.4ft)

Contact Name: _____

Company: _____

Phone: _____

Email: _____

	Wattage	Brightness
Per Foot	4.5W/ft	360-402Lm/ft
Per Meter	14.4W/m	1200-1320Lm/m



666561409623



ORDERING GUIDE

Example part number: **VBDFS - 5050 - 4000 - 60 - 24 - NS**

MODEL	SERIES	COLOUR	LEDS/METER	VOLTAGE	LENGTH
VBDFS	5050	4000K	60	24V	XXXX

Custom Length
 NS (Full Roll 5 Meter)

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

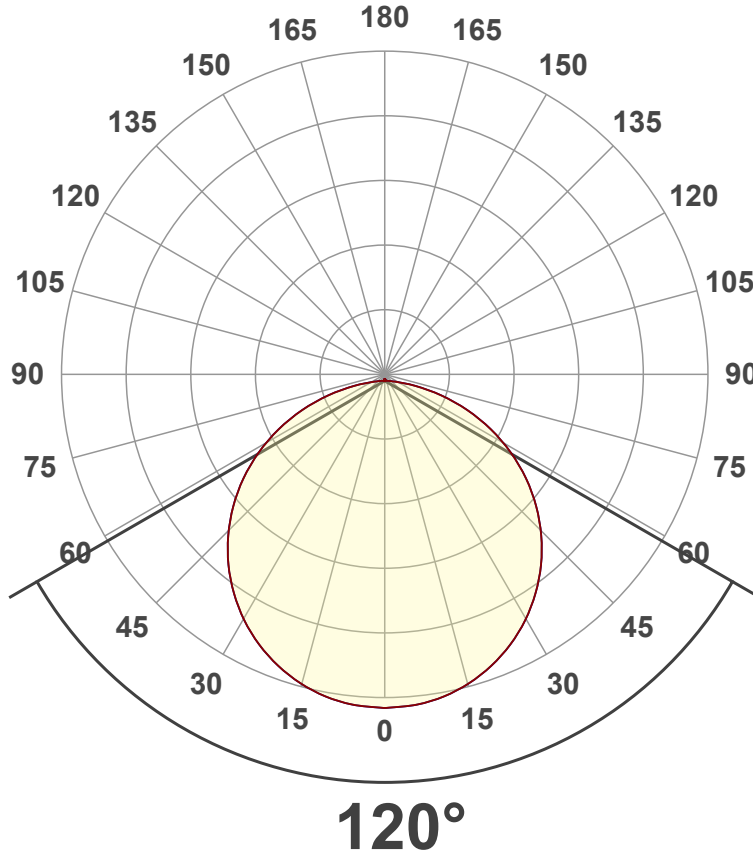
Light Measurement Report

Print date: 2023-04-26

Measurement date and time: 2023-04-25 1:48:46 PM – Measurement no. VFR-230425-0165-MS

Luminous Intensity diagram

Unit: 0-100% of peak intensity



Main Values

Lumen Up% / Down%	0.6% / 99.4%
Peak Intensity	145 cd
Beam Angle (50%)	120°
Beam Angle (90%)	115.5°
Beam Angle (10%)	115.5°

Cut-off Angle

Average 2,5%	173.9°
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Field Angle

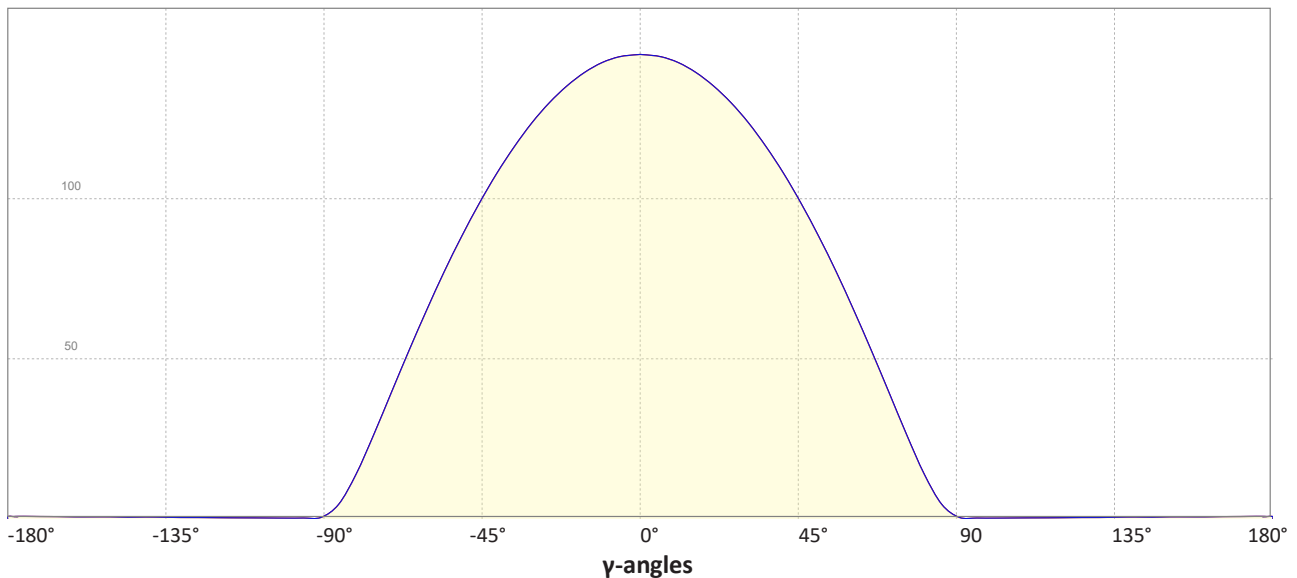
Average 10%	161.3°
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Intensity Ratio

In 120° cone	78.0%
In 90° cone	52.7%

C000-C180
C090-C270

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

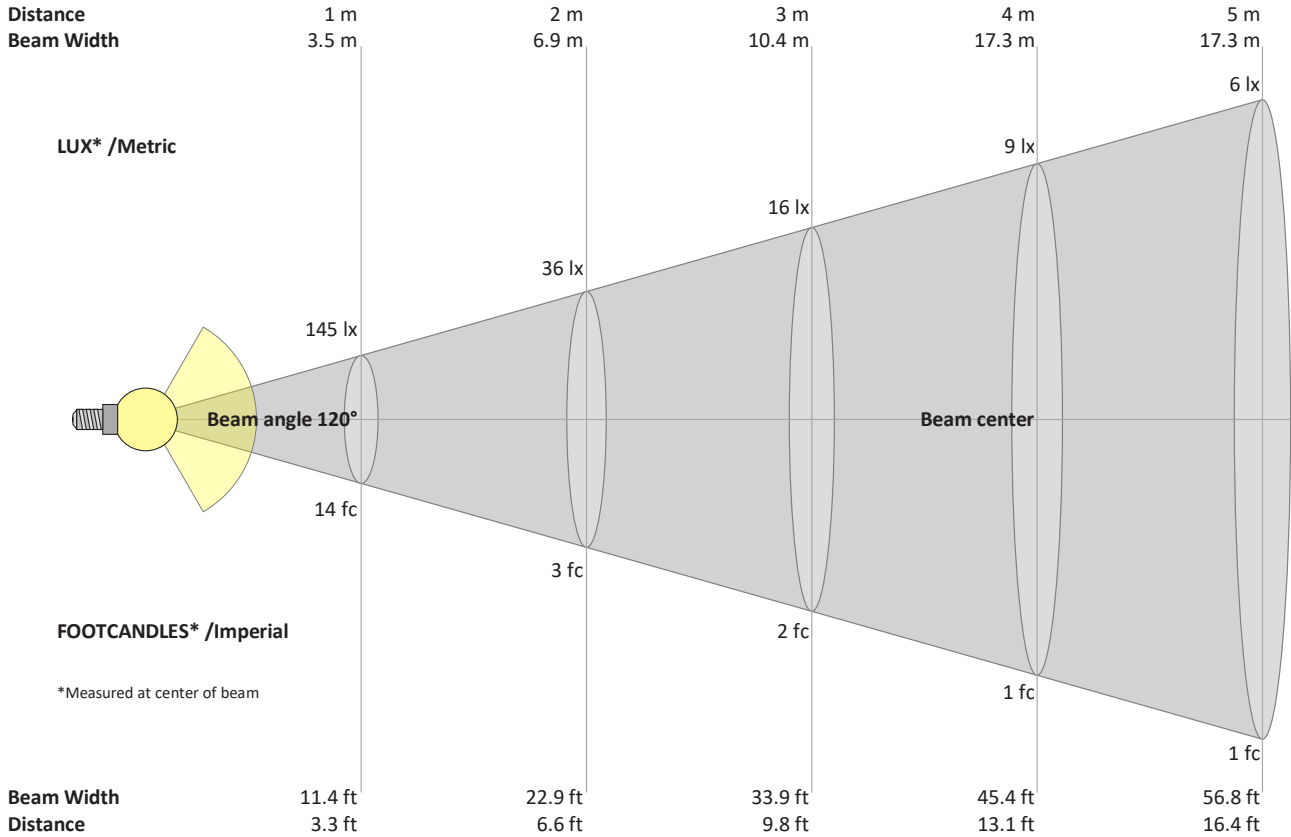


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Beam Details



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
145	36	16	9	6	4	3	2	2	1	1	1	1	1	1	1	1	0	0	0	lux
13.5	3.4	1.5	0.8	0.5	0.4	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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
145	145	143	140	136	131	125	118	110	100	90	79	67	55	42	29	16	6	1	0	cd
100%	100%	99%	97%	94%	90%	86%	81%	75%	69%	62%	54%	46%	38%	29%	20%	11%	4%	1%	0%	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
145	145	143	140	136	131	125	118	110	100	90	79	67	55	42	29	16	6	1	0	cd
100%	100%	99%	97%	94%	90%	86%	81%	75%	69%	62%	54%	46%	38%	29%	20%	11%	4%	1%	0%	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
145	145	143	140	136	131	125	118	110	100	90	79	67	55	42	29	16	6	1	0	cd
100%	100%	99%	97%	94%	90%	86%	81%	75%	69%	62%	54%	46%	38%	29%	20%	11%	4%	1%	0%	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
145	145	143	140	136	131	125	118	110	100	90	79	67	55	42	29	16	6	1	0	cd
100%	100%	99%	97%	94%	90%	86%	81%	75%	69%	62%	54%	46%	38%	29%	20%	11%	4%	1%	0%	of 0°val