

VEROBOARD®

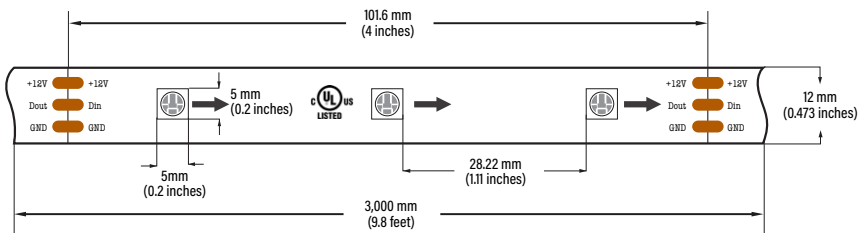
LED Type: VBDFS-5050-RGBd-30-12-NS
Color: RGB
Chip Type: WS2811



DESCRIPTION

Flexible 12mm wide linear LED strip. Available in 3 meter (9.8") rolls that can be cut every 3 LEDs (100mm or 4"). 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-RGBd-30-12-NS
Color Temperature:	RGB
LED Type:	5050 SMD
Chip Type:	WS2811
LED Qty:	30 LEDs per meter
Input Voltage (VF):	12V DC
Power:	6W per meter (1.8W/ft)
Brightness:	750lm/m (228lm/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 3 LED chips (4")
Dimensions:	3,000 x 12 x 2.15mm (118" x 0.47" x 0.08")
Certificates:	UL / cUL / RoHs
Roll Length:	3 meter roll (9.8ft)

Job Name: _____

Distributor: _____

Type: _____

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



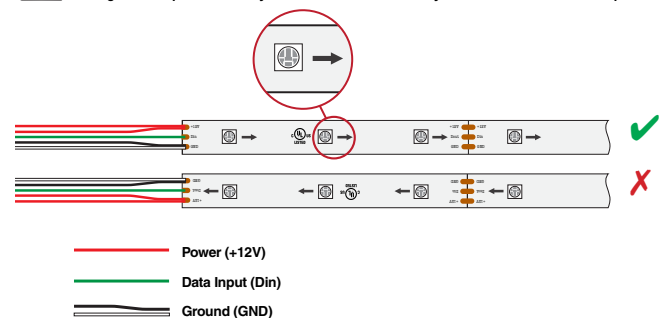
666561428419



3 pcs
Strip-to-Wire Connectors
included. (Full Roll)



Wiring must be performed only in the direction indicated by the black arrows on the strip.



ORDERING GUIDE

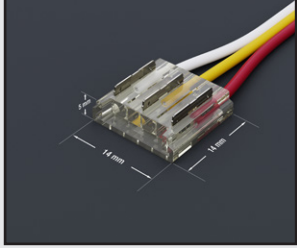
Example part number: **VBDFS - 5050 - RGBd - 30 - 12 - NS**

MODEL	SERIES	COLOR	LEDs/METER	VOLTAGE	LENGTH
VBDFS	5050	RGBd	30	12V	NS
					XXXX
					Custom Length
					Full Roll (3m)

CONNECTORS (Sold Separately)

Note: Connectors fit in some aluminum channels only.

12mm Strip to Wire



MODEL:

VBD-HBBC-12MM-1S1W

Material: Clear Plastic

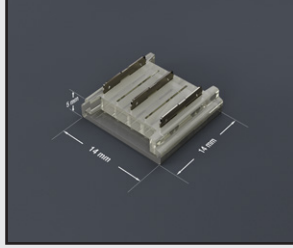
Strip Light Width: 12mm

Package Content: LED Strip to Wire Connectors (Pack of 2)

Dimensions: 14 x 14 x 5mm
(0.55" x 0.55" x 0.20")

☐ 666561436940

12mm Strip to Strip



MODEL:

VBD-HBBC-12MM-2S

Material: Clear Plastic

Strip Light Width: 12mm

Package Content: LED Strip to Strip Wire Connectors (Pack of 2)

Dimensions: 14 x 14 x 5mm
(0.55" x 0.55" x 0.20")

☐ 666561436957

AVAILABLE CONTROLLER (Sold Separately)



Model: R9
SKU: 666561433376

AVAILABLE RECEIVER (Sold Separately)



Model: WT-SPI
SKU: 666561433369

AVAILABLE DMX512 & RDM DECODER (Sold Separately)



Model: SR-2108B-M5-5
SKU: 666561412623

Scan the QR code with your smartphone to view the complete selection of controllers and remote controls.



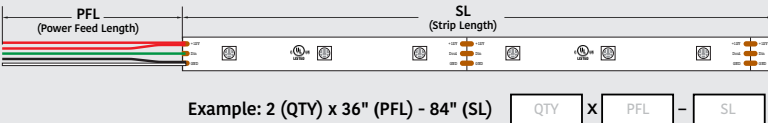
Disclaimer:

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CUSTOM ORDERING GUIDE ✂

Single Run (Straight Run): The below ordering guide will be used for single run LED strip.

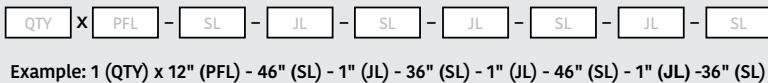
- **PFL:** Power Feed Length
- **SL:** Strip Length



CUSTOM ORDERING GUIDE ✂

Joiner: LED strip lights need joiners if they are used for curve applications such as corner side, behind a mirror, etc.

- **PFL:** Power Feed Length
- **SL:** Strip Length
- **JL:** Joiner Length



Note: Joiners will be 1-inch size unless customers require a specific size.

Example: 2 (QTY) x 24" (PFL) - 52" (SL) - 1" (JL) - 52" (SL)

QTY x PFL - SL - JL - SL

RECOMMENDED LED ALUMINUM CHANNELS

(Sold Separately)

VBD-CH-S4 SKU: 666561423278	VBD-CH-S4B SKU: 666561423285	VBD-CH-S6 SKU: 666561423315
VBD-CH-S5 SKU: 666561423292	VBD-CH-S5B SKU: 666561423308	VBD-CH-B1 SKU: 666561423360
VBD-CH-C2 SKU: 666561423506	VBD-CH-C2B SKU: 666561423513	VBD-CH-RF4 SKU: 666561423377
VBD-CH-RF1 SKU: 666561423339	VBD-CH-RF1B SKU: 666561423346	VBD-CH-C1 SKU: 666561423490
VBD-CH-C3 SKU: 666561423520	VBD-CH-C3B SKU: 666561423537	VBD-CH-W1 SKU: 666561423445
VBD-CH-RF7 SKU: 666561423407	VBD-CH-RF8 SKU: 666561423414	VBD-CH-S2 SKU: 666561423254
VBD-CH-WC4 SKU: 666561423629	VBD-CH-WC5 SKU: 666561423636	VBD-CH-ST2 SKU: 666561423582
VBD-CH-S3 SKU: 666561423261	VBD-CH-RF6 SKU: 666561423391	VBD-CH-RF5 SKU: 666561423384
	VBD-CH-R2 SKU: 666561423742	VBD-CH-R2B SKU: 666561428280
		VBD-CH-D10 SKU: 666561430023

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VBD-CH-WC1 SKU: 666561423599	VBD-CH-WC2 SKU: 666561423605	VBD-CH-WC3 SKU: 666561423612	VBD-CH-S1 SKU: 666561423247	VBD-CH-R3 SKU: 666561423759	VBD-CH-RF10 SKU: 666561423438
VBD-CH-S55 SKU: 666561429966	VBD-CH-S55B SKU: 666561429973	VBD-CH-C5 SKU: 666561423568	VBD-CH-R1 SKU: 666561423735	VBD-CH-D1 SKU: 666561423643	VBD-CH-D5 SKU: 666561423681
VBD-CH-RS5 SKU: 666561428631	VBD-CH-RS5B SKU: 666561428648	VBD-CH-D7 SKU: 666561423704	VBD-CH-D8 SKU: 666561423711	VBD-CH-D9 SKU: 666561423728	
VBD-CH-M1 SKU: 666561423773	VBD-CH-M1B SKU: 666561431013	VBD-CH-E1 SKU: 666561423483			

Note: To avoid a dark spot on the sides of these channels (RF10, RF6, RF8, R3, S1, R3) we recommend installing more than one Run LED Strip. For more details please contact us at: sales@veroboard.com

RECOMMENDED LED POWER SUPPLIES (Sold Separately)

For more options and varieties, please visit our website: www.veroboard.com

Constant Voltage Dimmable LED Drivers (5 in 1), Triac/Phase, 0-10V, 1-10V, Potentiometer, 10V PWM 5 in 1 Dimming



Model No.	Input Voltage	Output Voltage	Wattage	IP Rating	Class	Max. Strip Length	SKU#
VBD-012-030C2DM5i1	100-277V	12V	30W	IP67	Class 2	13.3ft	666561425999
VBD-012-060C2DM5i1	100-277V	12V	60W	IP67	Class 2	26.6ft	666561426002
VBD-012-100C2DM5i1	100-277V	12V	100W	IP65	Type HL	17.7ft	666561428426
VBD-012-150C2DM5i1	100-277V	12V	150W	IP65	Type HL	66.6ft	666561428433
VBD-012-180C2DM5i1	100-277V	12V	180W (3x60W)	IP67	Class 2	80ft	666561426019
VBD-012-200TR010	100-277V	12V	200W	IP65	Type HL	88.8ft	666561435905
VBD-012-300C2DM5i1	100-277V	12V	300W (5x60W)	IP67	Class 2	133.3ft	666561426026

Constant Voltage Triac LED Drivers forward Phase, Magnetic Low Voltage & Triac Dimmers



Model No.	Input Voltage	Output Voltage	Wattage	IP Rating	Class	Max. Strip Length	SKU#
VBD-012-024DM	100-130V	12V	24W	IP20	Class 2	10.6ft	666561415761
VBD-012-048DM	100-130V	12V	48W	IP20	Class 2	21.3ft	666561415754
VBD-012-060DM	100-130V	12V	60W	IP20	Class 2	26.6ft	666561415747
VBD-012-096DM	100-130V	12V	96W	IP67	-	42.6ft	666561415730
VBD-012-150DM	100-130V	12V	150W	IP67	-	66.6ft	666561415723
VBD-012-200DM	100-130V	12V	200W	IP67	-	88.8ft	666561415716
VBD-012-300VTHWJ	100-277V	12V	300W	IP65	-	133.3ft	666561419790

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Model No.	Input Voltage	Output Voltage	Wattage	IP Rating	Class	Max. Strip Length	SKU#
VBD-012-030DD	100-265V AC	12V	30W	IP20	Class 2	13.3ft	666561427290
VBD-012-060DD	100-265V AC	12V	60W	IP65	Class 2	26.6ft	666561427313
VBD-012-096DD	100-265V AC	12V	96W	IP65	-----	42.6ft	666561427337
VBD-012-150DD	100-265V AC	12V	150W	IP65	-----	66.6ft	666561427351

Model No.	Input Voltage	Output Voltage	Wattage	IP Rating	Class	Max. Strip Length	SKU#
VBDA-012-012P1J	100-240V AC	12V	12W	IP20	Class 2	5.3ft	666561428945
VBDA-012-024P1J	100-240V AC	12V	24W	IP20	Class 2	10.6ft	666561428952
VBDA-012-036P1J	100-240V AC	12V	36W	IP20	Class 2	16ft	666561428976
VBDA-012-060P1J	100-240V AC	12V	60W	IP20	Class 2	26.6ft	666561428990

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Light efficiency:

3 Lumen/Watt

Light quality:

CRI: 0

Color temperature:

32268 K

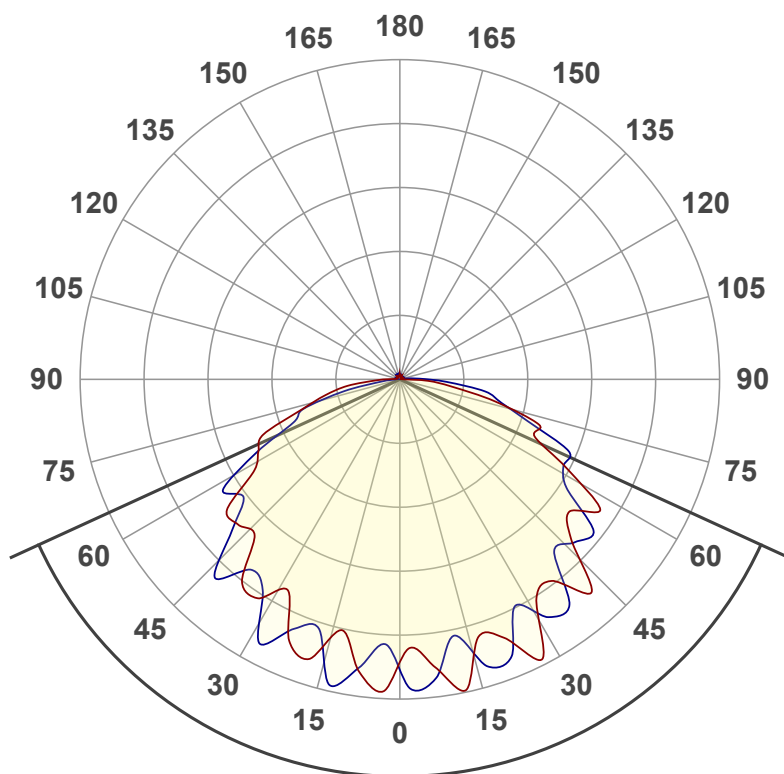
Output: 3.38 lm

Peak: 0.968 cd

Power: 1.2 W

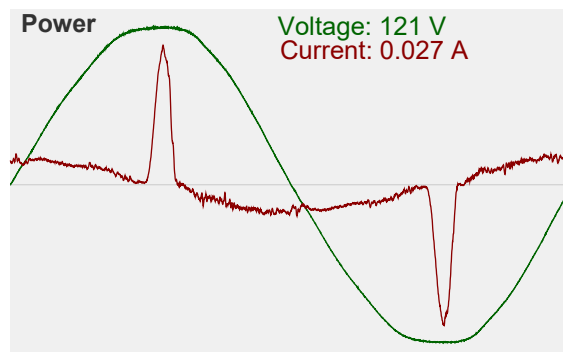
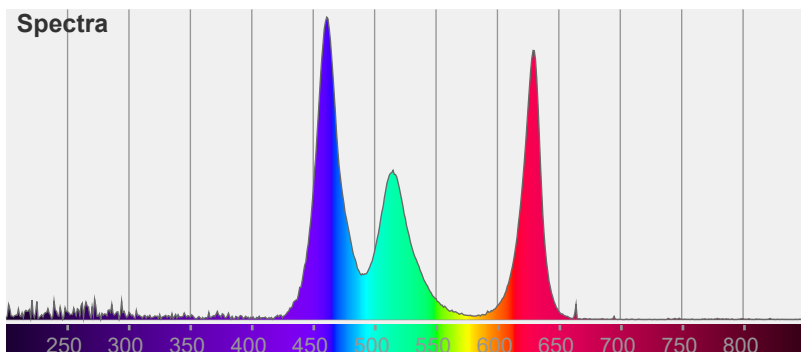
PF: 0.35

2 PLANES

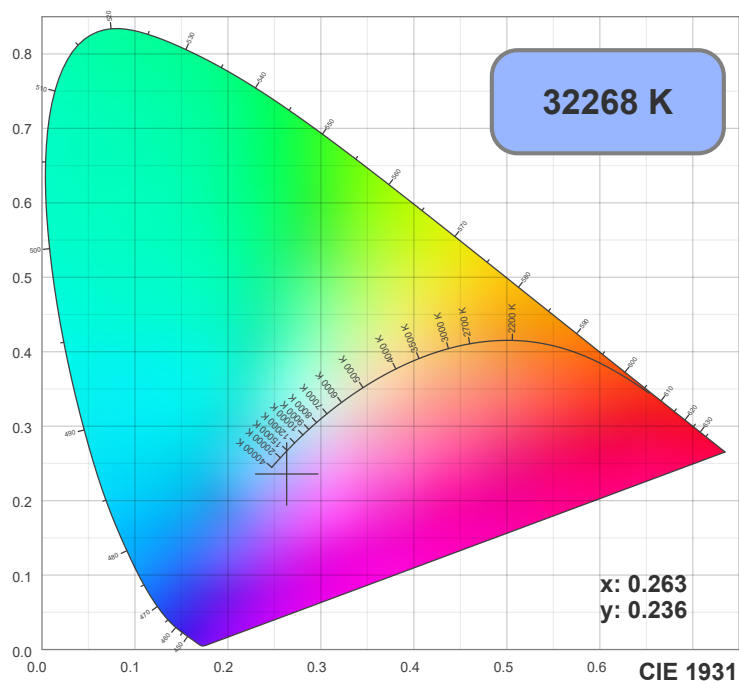


Beam angle

130.8°



Light measurement was created using the Viso Systems - Light Inspector. www.visosystems.com



TM30: 0.0

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16

CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TM30 C values, 16 binned values out of total of 99 C values

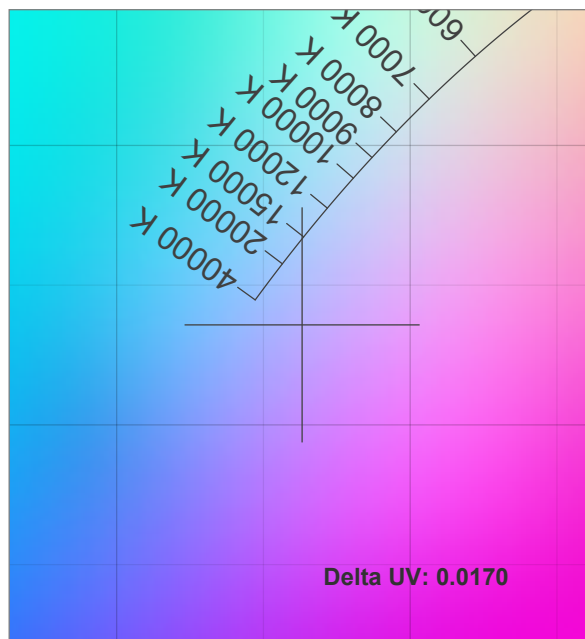
C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Color parameters

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Duv
32268 K	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.3	NaN

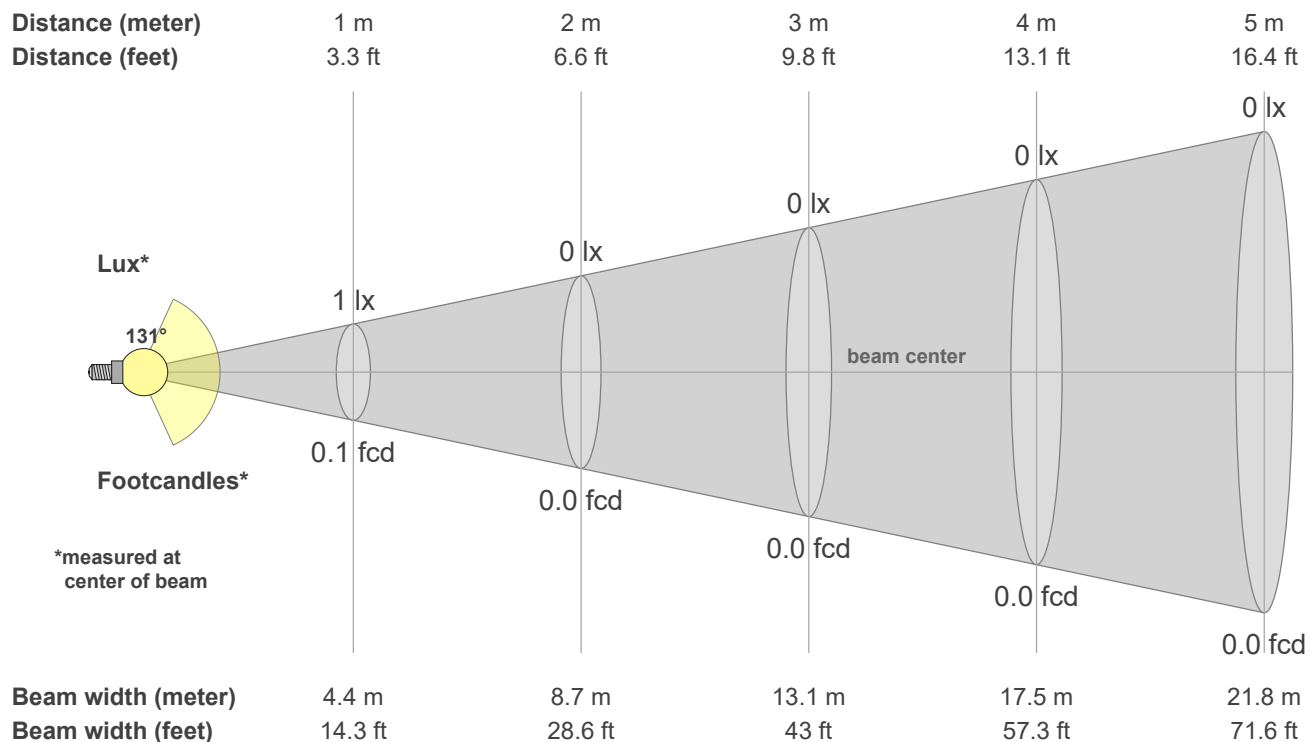


CRI: 0.0 (R1-R8)

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15	

CQS: 0.0

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	



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%