

VEROBOARD®

LED Type: VBDFS-3528-XXXX-120-12-NS
Colour: 2700K • 3000K • 3500K • 4000K • 5000K

Job Name: _____

Distributor: _____

Type: _____

| | Wattage | Brightness |
|-----------|---------|--------------|
| Per Foot | 3W/ft | 258-292Lm/ft |
| Per Meter | 9W/m | 840-960Lm/m |



DESCRIPTION

Flexible 8 mm wide linear LED strip. Available in 10 meter (32.8 feet) rolls that can be cut every 3 LEDs (25.4 mm or 1 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. 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.

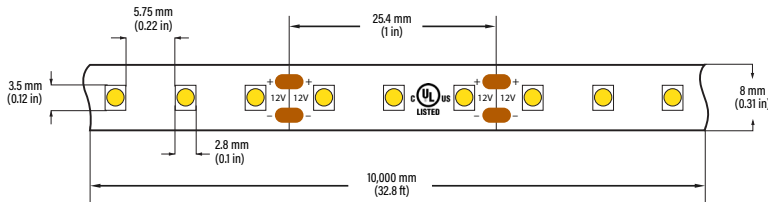


666561425562 666561423926 666561423957



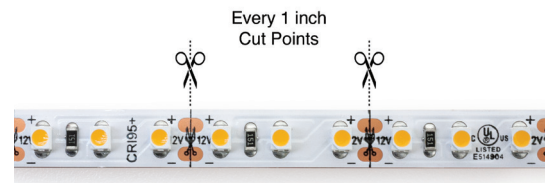
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DIMENSIONS



SPECIFICATIONS

| | |
|-------------------------------|--|
| Model: | VBDFS-3528-xxxx-120-12-NS |
| Color Temperature: | 2700K • 3000K • 3500K • 4000K • 5000K |
| LED Type: | 3528 SMD |
| LED Qty: | 120 LEDs per meter |
| LM/LED: | 7-8 Lm per LED |
| Input Voltage (VF): | 12V DC |
| Power: | 9W per meter (3W/ft) |
| Brightness: | 840-960 Lm/meter (258-292 Lm/ft) |
| Lifespan: | >50,000 hours |
| PCB: | 4oz PCB, Double-side, white colour 8mm width |
| IP Rating: | IP20 (Indoor use only) |
| Rendering Index (Ra): | CRI>95 |
| Beam Angle: | 120° |
| Dimmable: | Yes |
| Cut Size: | Every 3 LED chips (1") |
| Operating Temperature: | -15°C to +40°C |
| Dimensions: | 10,000mm x 8mm x 3mm (393.6" x 0.31" x 0.1") |
| Certificates: | UL / RoHS |
| Roll Length: | 10 meter roll (32.8ft) |



ORDERING GUIDE

Example part number: **VBDFS - 3528 - XXXX - 120 - 12 - NS**

| MODEL | SERIES | COLOUR | LEDS/METER | VOLTAGE | LENGTH |
|-------|--------|---|------------|---------|---|
| VBDFS | 3528 | XXXX 2700K 3000K 3500K 4000K 5000K | 120 | 12V | XXXX Custom Length Full Roll (10 Meter) |

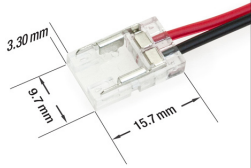


For more information about our products and services, please visit our website: www.veroboard.com

CONNECTORS (Sold Separately)

Note: Connectors fit in some aluminum channels only.

8mm Strip to Wire



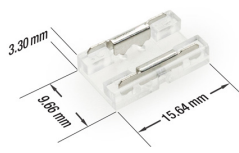
MODEL: VBD-BC-8MM-1S1W

Material: Clear Plastic
Strip Light Width: 8mm
Package Content: LED Strip to Wire Connectors (Pack of 3)
Dimensions: 15.7 x 9.6 x 3.3mm (0.61" x 0.37" x 0.12")

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*with 7" wire on each connector

8mm Strip to Strip

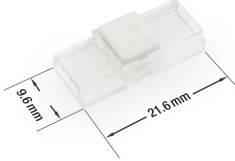


MODEL: VBD-BC-8MM-2S

Material: Clear Plastic
Strip Light Width: 8mm
Package Content: LED Strip to Strip Connectors (Pack of 3)
Dimensions: 15.7 x 9.7 x 3.5mm (0.61" x 0.38" x 0.13")

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8mm Strip to Strip

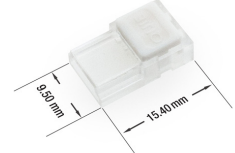


MODEL: VBD-CON-8MM-2S

Material: Clear Plastic
Strip Light Width: 8mm
Package Content: LED Strip to Strip Connectors (Pack of 5)
Dimensions: 22 x 9.6 x 4.4mm (0.86" x 0.37" x 0.17")

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8mm Strip to Wire



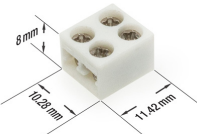
MODEL: VBD-CON-8MM-1S1W

Material: Clear Plastic
Strip Light Width: 8mm
Package Content: LED Strip to Wire Connectors (Pack of 5)
Dimensions: 15.5 x 9.5 x 4.3mm (0.61" x 0.37" x 0.16")

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*Wire is NOT included

8mm Strip to Strip

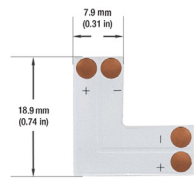


MODEL: VBD-CON-SC8MM-SW

Material: Plastic
Strip Light Width: 8mm
Package Content: LED Strip to Wire Connectors (Pack of 3)
Dimensions: 11.3 x 10.3 x 8mm (0.44" x 0.4" x 0.31")

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8mm PCB

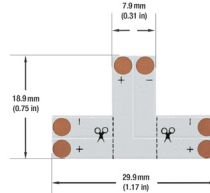


MODEL: VBD-FPC10-L2A PCB

Material: PCB
Strip Light Width: 8mm
Package Content: L Shape PCB Connectors (Pack of 3)

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8mm PCB

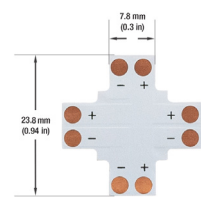


MODEL: VBD-FPC8-T2A

Material: PCB
Strip Light Width: 8mm
Package Content: T Shape PCB Connectors (Pack of 3)

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8mm PCB



MODEL: VBD-FPC8-C2A

Material: PCB
Strip Light Width: 8mm
Package Content: 4 Way PCB Connectors (Pack of 3)

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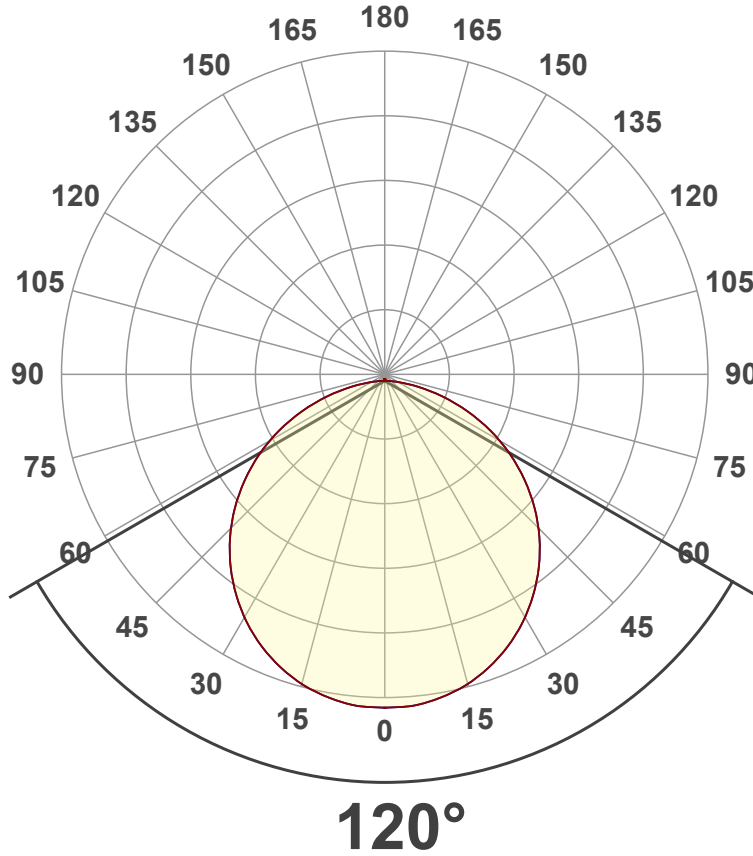
Light Measurement Report

Print date: 2023-04-26

Measurement date and time: 2023-04-25 2:10:41 PM – Measurement no. VFR-230425-0167-MS

Luminous Intensity diagram

Unit: 0-100% of peak intensity



Main Values

| | |
|-------------------|----------------|
| Lumen Up% / Down% | 0.54% / 99.46% |
| Peak Intensity | 89.2 cd |
| Beam Angle (50%) | 120° |
| Beam Angle (90%) | 114° |
| Beam Angle (10%) | 114° |

Cut-off Angle

| | |
|--------------|--------|
| Average 2,5% | 174.7° |
|--------------|--------|

Field Angle

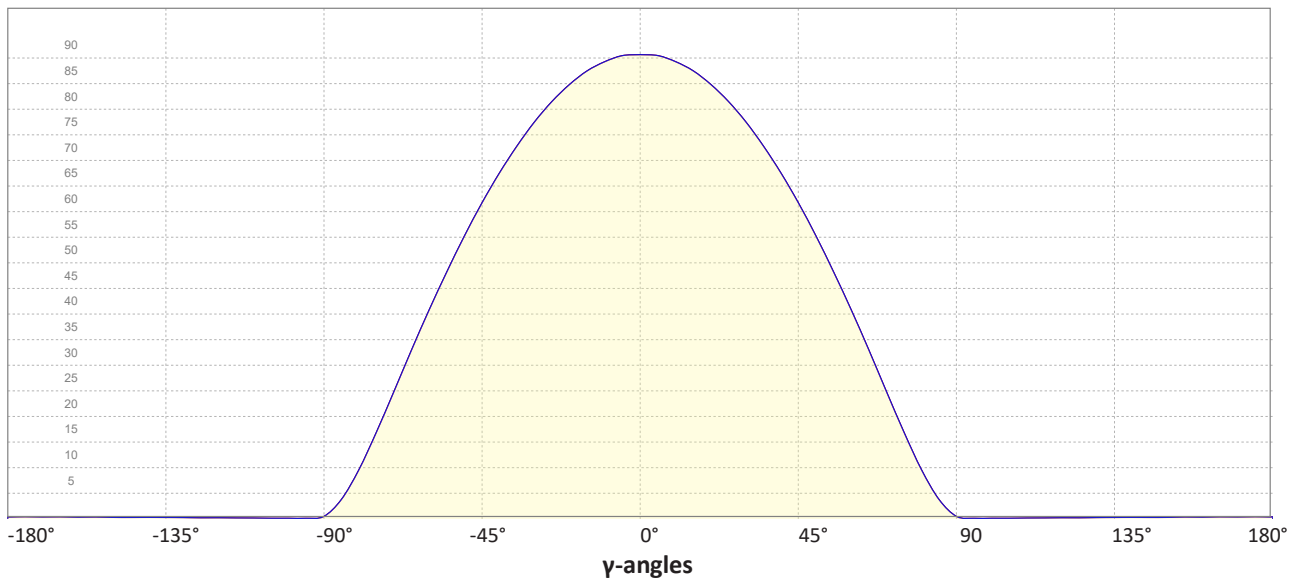
| | |
|-------------|------|
| Average 10% | 161° |
|-------------|------|

Intensity Ratio

| | |
|--------------|-------|
| In 120° cone | 78.4% |
| In 90° cone | 53.1% |

C000-C180
C090-C270

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



Light Measurement Report

Print date: 2023-04-26

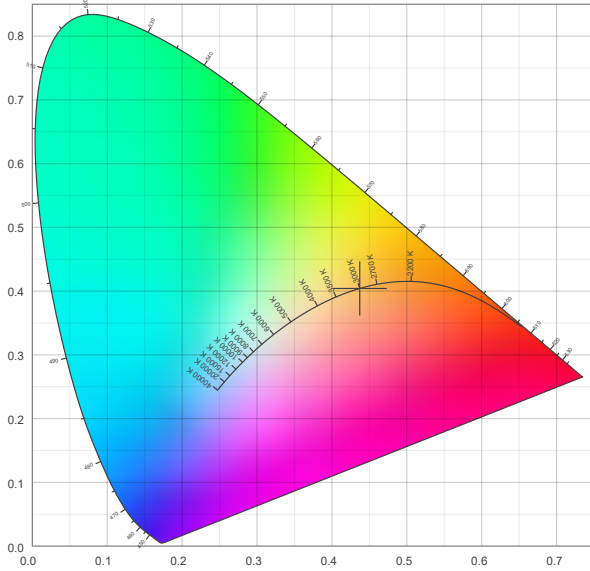
Measurement date and time: 2023-04-25 2:10:41 PM – Measurement no. VFR-230425-0167-MS

Color details

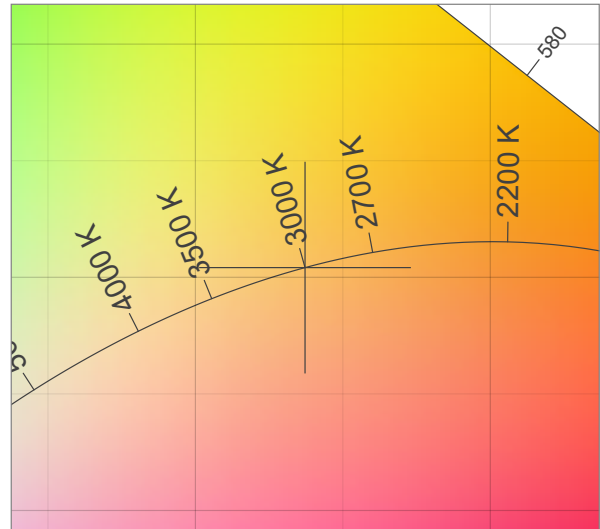
Correlated Color Temperature, Target CCT = 3000 K
 Correlated Color Temperature, Measured CCT = 2953 K
 Color Rendering Index CRI 98.1
 Color Rendering Index, R9 (red component) R9 = 98.0
 Color Rendering TM30-18 R_f 94.5 – R_g 100.7
 Color Quality Scale CQS = 95.7

MacAdam Steps
 Color coordinates CIE 1931 (x;y) = (0.437;0.404)
 Color coordinate CIEs 1960 (u';v') = (0.251;0.348)
 Color deviation from BBL Duv = -0.0008
 Color coordinate CIEs 1976 (CIELUV) (u'';v'') = (0.251;0.251)

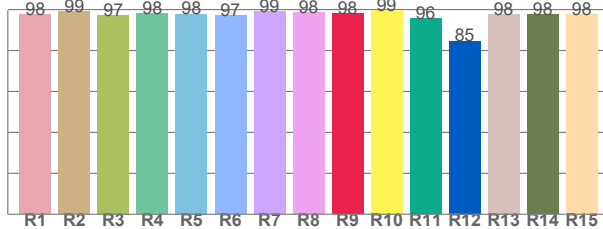
CIE 1931



CIE 1931 – zoomed on Planckian locus



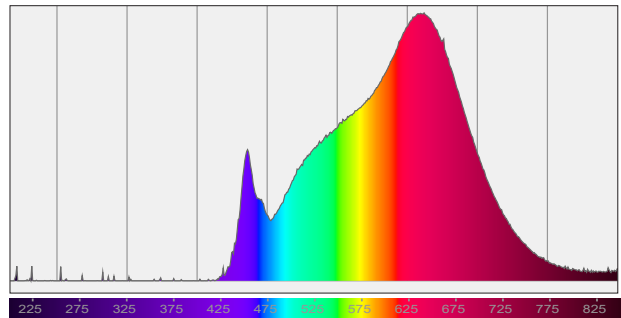
Color Rendering Index per reference color (CIE 1995)



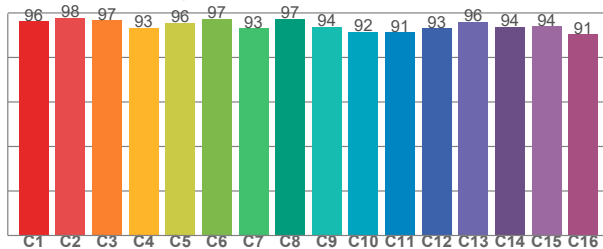
CRI R values, only R1-R8 are used to calculate final CRI value

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
| 97.6 | 99.0 | 97.3 | 98.0 | 97.9 | 97.1 | 99.0 | 98.5 | 98.0 | 99.5 | 95.6 | 84.7 | 97.7 | 97.5 | 97.7 |

Spectral power distribution (SPD) / W/nm – 0-100%



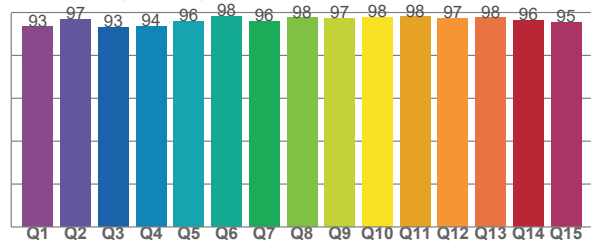
TM30-18 Rf-values per hue bin



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 |
| 96.3 | 97.7 | 96.7 | 93.4 | 95.6 | 97.4 | 93.0 | 97.4 | 93.9 | 91.7 | 91.3 | 93.0 | 95.9 | 93.8 | 94.1 | 90.5 |

Color Quality Scale by reference color



CQS Q values

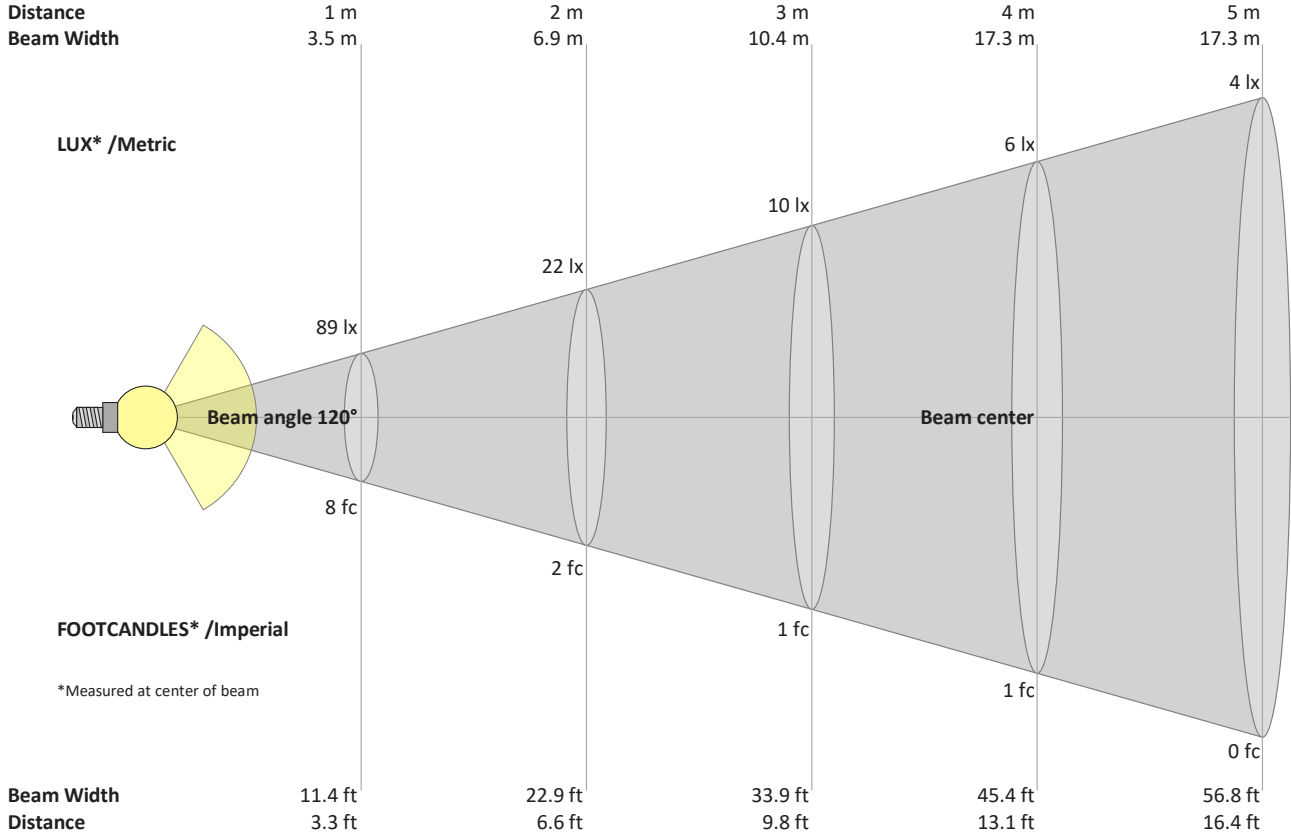
| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 |
| 93.3 | 96.9 | 93.0 | 93.5 | 95.8 | 98.2 | 96.1 | 97.6 | 97.3 | 97.8 | 98.1 | 97.5 | 97.6 | 96.4 | 95.3 |

Light Measurement Report

Print date: 2023-04-26

Measurement date and time: 2023-04-25 2:10:41 PM – Measurement no. VFR-230425-0167-MS

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 |
| 89 | 22 | 10 | 6 | 4 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | lux |
| 8.3 | 2.1 | 0.9 | 0.5 | 0.3 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 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 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|----------|
| 89.2 | 89.1 | 87.9 | 86.2 | 83.6 | 80.3 | 76.4 | 71.7 | 66.6 | 60.8 | 54.4 | 47.5 | 40.3 | 32.6 | 24.6 | 16.8 | 9.5 | 3.8 | 0.5 | 0.1 | cd |
| 100% | 100% | 99% | 97% | 94% | 90% | 86% | 80% | 75% | 68% | 61% | 53% | 45% | 37% | 28% | 19% | 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 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|----------|
| 89.2 | 89.1 | 87.9 | 86.2 | 83.6 | 80.3 | 76.4 | 71.7 | 66.6 | 60.8 | 54.4 | 47.5 | 40.3 | 32.6 | 24.6 | 16.8 | 9.5 | 3.8 | 0.5 | 0.1 | cd |
| 100% | 100% | 99% | 97% | 94% | 90% | 86% | 80% | 75% | 68% | 61% | 53% | 45% | 37% | 28% | 19% | 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 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|----------|
| 89.2 | 89.1 | 87.9 | 86.2 | 83.6 | 80.3 | 76.4 | 71.7 | 66.6 | 60.8 | 54.4 | 47.5 | 40.3 | 32.6 | 24.6 | 16.8 | 9.5 | 3.8 | 0.5 | 0.1 | cd |
| 100% | 100% | 99% | 97% | 94% | 90% | 86% | 80% | 75% | 68% | 61% | 53% | 45% | 37% | 28% | 19% | 11% | 4% | 1% | 0% | of 0°val |

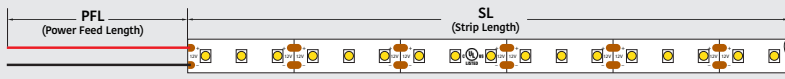
Intensities in 270° c-plane

| 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | y |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|----------|
| 89.2 | 89.1 | 87.9 | 86.2 | 83.6 | 80.3 | 76.4 | 71.7 | 66.6 | 60.8 | 54.4 | 47.5 | 40.3 | 32.6 | 24.6 | 16.8 | 9.5 | 3.8 | 0.5 | 0.1 | cd |
| 100% | 100% | 99% | 97% | 94% | 90% | 86% | 80% | 75% | 68% | 61% | 53% | 45% | 37% | 28% | 19% | 11% | 4% | 1% | 0% | of 0°val |

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

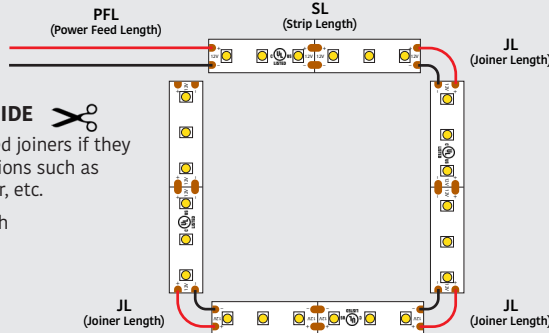


Example: 2 (QTY) x 36" (PFL) - 84" (SL) x -

CUSTOM ORDERING GUIDE ✂

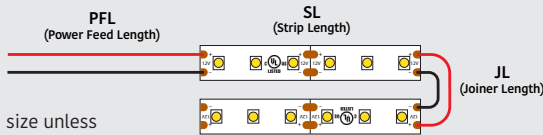
Joiner: LED strip lights need joiners if they are used for curve applications such as corner side, behind a mirror, etc.

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



x - - - - - - -

Example: 1 (QTY) x 12" (PFL) - 46" (SL) - 1" (JL) - 36" (SL) - 1" (JL) - 46" (SL) - 1" (JL) - 36" (SL)



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

x - - -

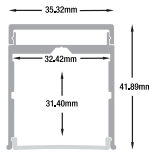
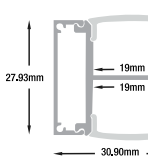
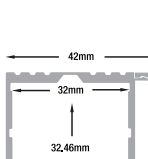
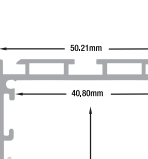
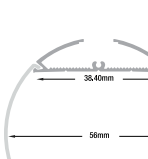
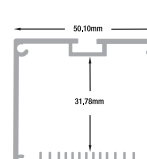
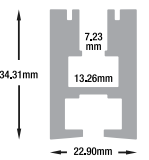
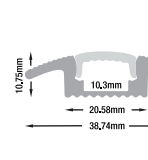
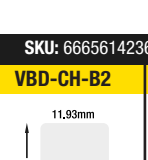
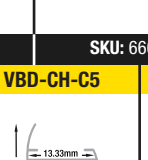
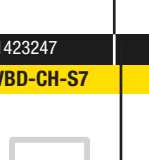
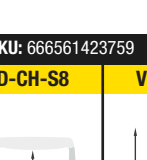
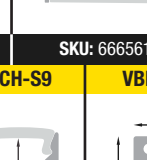
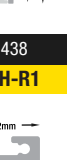
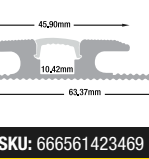
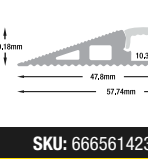
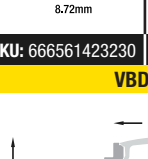
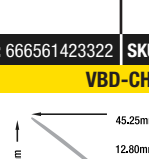
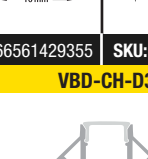
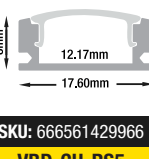
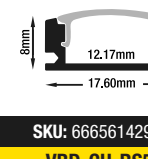
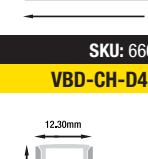
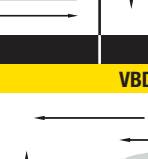
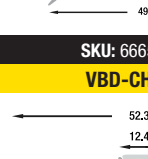
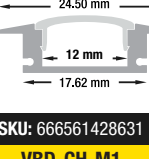
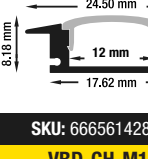
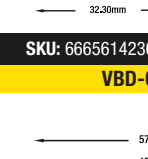
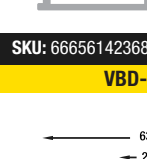
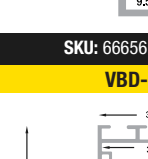
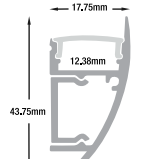
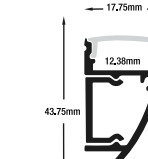
Example: 2 (QTY) x 24" (PFL) - 52" (SL) - 1" (JL) - 52" (SL)

RECOMMENDED LED ALUMINUM CHANNELS

(Sold Separately)

| | | |
|--|--|--|
| VBD-CH-S4 15.5mm x 12mm x 17.5mm | VBD-CH-S4B 15.5mm x 12mm x 17.5mm | VBD-CH-S6 10.6mm x 20.15mm x 23.44mm |
| SKU: 666561423278 | SKU: 666561423285 | SKU: 666561423315 |
| VBD-CH-S5 6mm x 13mm x 17mm | VBD-CH-S5B 6mm x 13mm x 17mm | VBD-CH-B1 6.14mm x 13.89mm x 18.77mm |
| SKU: 666561423292 | SKU: 666561423308 | SKU: 666561423360 |
| VBD-CH-C2 18.5mm x 14mm x 18.5mm | VBD-CH-C2B 18.5mm x 14mm x 18.5mm | VBD-CH-RF4 23.4mm x 18.6mm x 18.6mm |
| SKU: 666561423506 | SKU: 666561423513 | SKU: 666561423377 |
| VBD-CH-RF1 12.5mm x 15mm x 17mm | VBD-CH-RF1B 12.5mm x 15mm x 17mm | VBD-CH-C1 25.68mm x 15.07mm x 21.19mm |
| SKU: 666561423339 | SKU: 666561423346 | SKU: 666561423490 |
| VBD-CH-C3 30mm x 20mm x 30mm | VBD-CH-C3B 30mm x 20mm x 30mm | VBD-CH-W1 26.16mm x 12mm x 21.43mm |
| SKU: 666561423520 | SKU: 666561423537 | SKU: 666561423445 |
| VBD-CH-RF7 32.16mm x 75mm x 90mm | VBD-CH-RF8 32mm x 70.15mm x 75mm | VBD-CH-S2 9.28mm x 56.75mm x 17.29mm |
| SKU: 666561423407 | SKU: 666561423414 | SKU: 666561423254 |
| VBD-CH-WC4 45.50mm x 85mm x 37.85mm | VBD-CH-WC5 39mm x 43.03mm x 43.03mm | VBD-CH-ST2 21mm x 95mm x 13mm |
| SKU: 666561423629 | SKU: 666561423636 | SKU: 666561423582 |
| VBD-CH-S3 55.38mm x 13.56mm x 7.96mm | VBD-CH-RF6 31.90mm x 46.42mm x 50.20mm | VBD-CH-RF5 32mm x 30.84mm x 34.79mm |
| SKU: 666561423261 | SKU: 666561423391 | SKU: 666561423384 |
| VBD-CH-C4 30mm x 20mm x 30mm | VBD-CH-C4B 30mm x 20mm x 30mm | VBD-CH-RF2 11mm x 12.15mm x 21.45mm |
| SKU: 666561423544 | SKU: 666561423551 | SKU: 666561423353 |
| VBD-CH-RF3 27mm x 20mm x 17mm | VBD-CH-R2 25.95mm x 22.94mm x 17.46mm | VBD-CH-R2B 25.95mm x 22.94mm x 17.46mm |
| SKU: 666561423360 | SKU: 666561423742 | SKU: 666561428280 |
| VBD-CH-D10 136mm x 13.66mm x 12mm | | SKU: 666561420023 |

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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-E1  SKU: 666561423483 | VBD-CH-W2  SKU: 666561423452 | VBD-CH-B2  SKU: 666561423230 | VBD-CH-C5  SKU: 666561423568 | VBD-CH-S7  SKU: 666561423322 | VBD-CH-S8  SKU: 666561429348 | VBD-CH-S9  SKU: 666561429355 | VBD-CH-R1  SKU: 666561423735 |
| VBD-CH-W3  SKU: 666561423469 | VBD-CH-W4  SKU: 666561423476 | VBD-CH-D1  SKU: 666561423643 | VBD-CH-D2  SKU: 666561423650 | VBD-CH-D3  SKU: 666561423667 | | | |
| VBD-CH-S55  SKU: 666561429966 | VBD-CH-S55B  SKU: 666561429973 | VBD-CH-D4  SKU: 666561423674 | VBD-CH-D5  SKU: 666561423681 | VBD-CH-D6  SKU: 666561423698 | | | |
| 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 | 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)

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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 | 8ft | 666561425999 |
| VBD-012-060C2DM5i1 | 100-277V | 12V | 60W | IP67 | Class 2 | 16ft | 666561426002 |
| VBD-012-100C2DM5i1 | 100-277V | 12V | 100W | IP65 | Type HL | 26.6ft | 666561428426 |
| VBD-012-150C2DM5i1 | 100-277V | 12V | 150W | IP65 | Type HL | 40ft | 666561428433 |
| VBD-012-180C2DM5i1 | 100-277V | 12V | 180W (3x60W) | IP67 | Class 2 | 48ft | 666561426019 |
| VBD-012-300C2DM5i1 | 100-277V | 12V | 300W (5x60W) | IP67 | Class 2 | 80ft | 666561426026 |

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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 | 6.4ft | 666561415761 |
| VBD-012-048DM | 100-130V | 12V | 48W | IP20 | Class 2 | 12.8ft | 666561415754 |
| VBD-012-060DM | 100-130V | 12V | 60W | IP20 | Class 2 | 16ft | 666561415747 |
| VBD-012-096DM | 100-130V | 12V | 96W | IP67 | - | 25.6ft | 666561415730 |
| VBD-012-150DM | 100-130V | 12V | 150W | IP67 | - | 40ft | 666561415723 |
| VBD-012-200DM | 100-130V | 12V | 200W | IP67 | - | 53.3ft | 666561415716 |
| VBD-012-300VTHWJ | 100-277V | 12V | 300W | IP65 | - | 80ft | 666561419790 |

Dali Dimming Constant Voltage



| 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 | 8ft | 666561427290 |
| VBD-012-060DD | 100-265V AC | 12V | 60W | IP65 | Class 2 | 16ft | 666561427313 |
| VBD-012-096DD | 100-265V AC | 12V | 96W | IP65 | ----- | 25.6ft | 666561427337 |
| VBD-012-150DD | 100-265V AC | 12V | 150W | IP65 | ----- | 40ft | 666561427351 |

Plug-in Drivers



| 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 | 3.2ft | 666561428945 |
| VBDA-012-024P1J | 100-240V AC | 12V | 24W | IP20 | Class 2 | 6.4ft | 666561428952 |
| VBDA-012-036P1J | 100-240V AC | 12V | 36W | IP20 | Class 2 | 9.6ft | 666561428976 |
| VBDA-012-060P1J | 100-240V AC | 12V | 60W | IP20 | ----- | 16ft | 666561428990 |

Notes: _____

Disclaimer:

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