VERUBOARD.

4" LED Commercial Downlight Sloped **Ceiling Reflector Square Trim**





Model No.*	VBD-COM-4-XXXX-4SLS					
Voltage	120-347V AC					
Frequency	50/60Hz					
Wattage	20W					
Input Current	0.2A					
Available Colour Temperatures	WARM NATURAL DAY LIGHT 3000K 4000K 5000K					
Brightness	1465Lm					
Trim Type	Open Reflector Trim					
Beam Angle	80°					
Colour	White					
Lifespan	50,000 Hours					
Dimmable	Yes (0-10 Dimming)					
Package Content	J Box structured engine, Reflector trim					
Dimensions (Reflector)	Width & Length: 162mm (6.3") Overall Depth: 158.75mm (6.25")					
Dimensions (Cut Size)	132.3mm (5.2")					

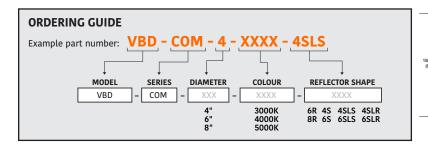
^{*} Please see the "Ordering Guide" table at the bottom of this page for how to place your order.

Features

- Comes with a 20W engine that has an inbuilt LED Driver, J-Box structured with good heat dissipation.
- Choose the options which best suits you. Warm White (3000K), Natural White (4000K), and Daylight (5000K).
- The 20W engine is compatible with all commercial lighting reflector trims (CPS series Model).
- Applicable for Indoor use only (dry and damp locations).
- Has a lifespan of 50,000 hours.

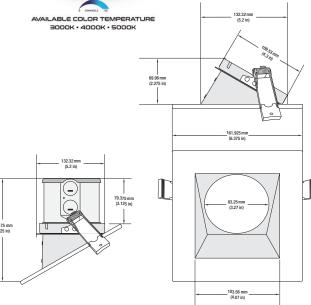
SPECIFICATIONS

- It can be dimmed using a 0-10v dimmer.
- These commercial downlights come in 4 inches, 6 inches, in different shapes (Round, Square).
- We also carry this engine downlight for sloped ceilings in wall wash trims.
- Easy for installation with push springs.
- The J-Box engine has an anti-UV Frosted Polycarbonate Lens that helps in even light transmission, prevents discoloration.
- It is suitable for recessed lighting of commercial and public places and elegantly decorate the ambiance, in shopping malls, hospital, airport, hotel lobbies, and similar places.
- · It is a highly efficient product with an Energy Star logo.



Name: Quantity: Phone: Email:





Safety and Warning

The fixture must be wired in accordance with local electrical codes. All the installation must be done by a certified electrician. Do not modify the product, any modification may render the product unsafe and void the warranty.



Light Measurement Report

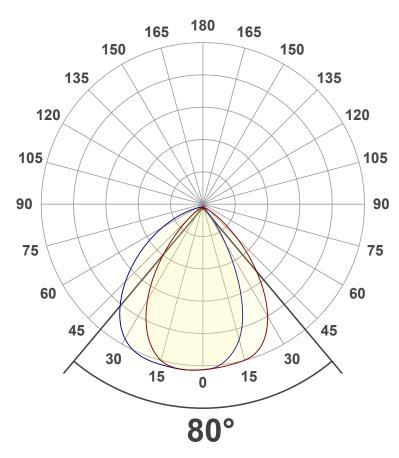
Print date: 2023-01-26

Measurement date and time: 2023-01-26 11:07:25 AM – Measurement no. VFR-230126-0011-MS



Luminous Intensity diagram

Unit: 0-100% of peak intensity



Main Values

Output (total Lumen) 1465 lm

Lumen Up% / Down% 0.34% / 99.66%

Peak Intensity 890 cd

Beam Angle (50%) 80°

Beam Angle (90%) 79.9°

Beam Angle (10%) 77.6°

Cut-off Angle

Average 2,5% 133.4°

Field Angle

Average 10% 113.4°

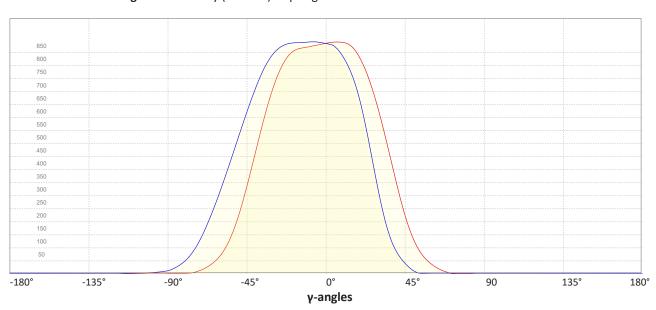
Intensity Ratio

In 120° cone 92.2% In 90° cone 75.4%

C000-C180

C090-C270

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



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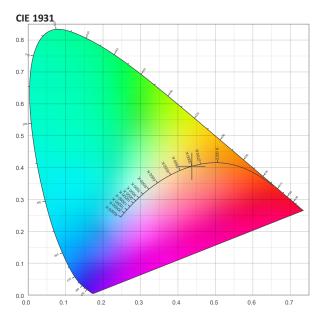


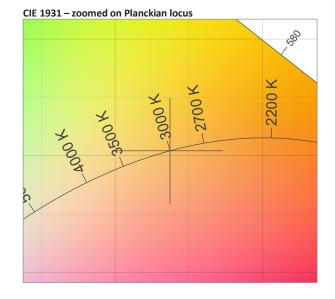
Color details

Correlated Color Temperature, Target Correlated Color Temperature, Measured Color Rendering Index Color Rendering Index, R9 (red component) Color Rendering TM30-18 Color Quality Scale
$$\label{eq:CCT} \begin{split} &\text{CCT} = 3000 \text{ K} \\ &\text{CCT} = 2934 \text{ K} \\ &\text{CRI } 82.5 \\ &\text{R9} = 6.3 \\ &\text{R}_f 84.3 - \text{R}_g \, 93.7 \\ &\text{CQS} = 81.8 \end{split}$$

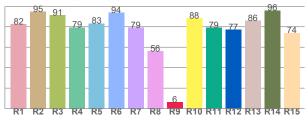
MacAdam Steps Color coordinates CIE 1931 Color coordinate CIEs 1960 Color deviation from BBL Color coordinate CIEs 1976 (CIELUV)

SDCM = 3.1 (x;y) = (0.437;0.404) (u;v) = (0.251;0.348) Duv = -0.0025 (u';v') = (0.251;0.251)





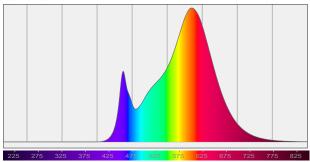
Color Rendering Index per reference color (CIE 1995)



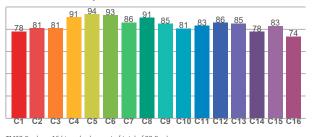
CRI R values, only R1-R8 are used to calculate final CRI value															
	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
	82.5	94.8	91.2	79.3	83.2	93.7	79.0	56.2	6.3	88.4	79.1	77.0	86.0	95.9	74.0

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

Color Quality Scale by reference color



TM30-18 Rf-values per hue bin



| C1 | C2 | C3 | C4 | C5 | C5 | C7 | C8 | C9 | C10 | C11 | C12 | C13 | C14 | C15 | C16 |
| 78.2 | 81.1 | 81.0 | 90.9 | 93.7 | 92.8 | 86.1 | 90.5 | 85.1 | 80.7 | 83.2 | 86.0 | 85.2 | 77.9 | 83.1 | 73.5 |

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L	Q1	Q2	Q3	Q4	Q5	Q6	Q7 (Q8 (29 Q	10 Q1	1 Q1	2 Q13	3 Q14	Q15	_
C	CQS Q values														
	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
	77.0	93.2	85.4	79.3	81.4	83.0	83.4	85.3	93.4	91.6	86.5	82.3	80.8	71.1	73.0

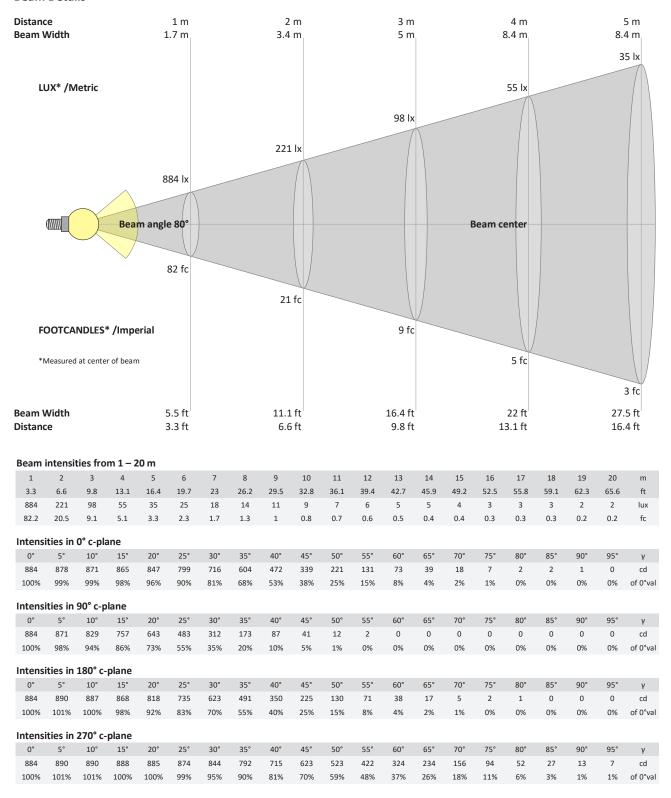
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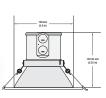
Beam Details

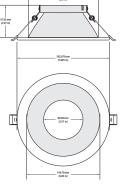


AVAILABLE OTHER TRIM MODELS

6" LED Commercial Downlight Reflector Round Trim









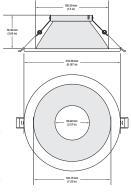
SKU: 66651415914



8" LED Commercial Downlight Reflector Round Trim









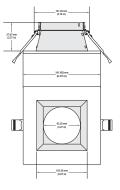
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4" LED Commercial Downlight Reflector Square Trim







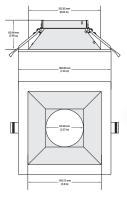


SKU: 666561419943



6" LED Commercial Downlight Reflector Square Trim



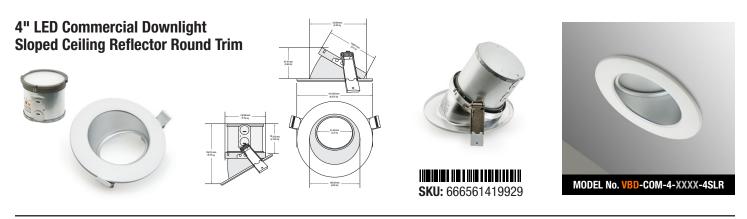




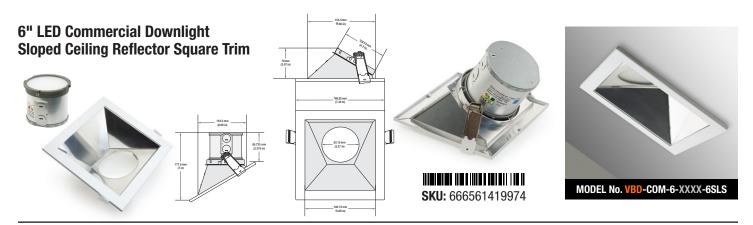
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AVAILABLE OTHER TRIM MODELS







Notes:			

Disclaimer:

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