



R1005 Merak M3

Integrated LED Lighting Fixture
Fixed Eyeball Trim Recessed Downlight

Product Description

R1005 low glare recessed LED lighting fixture can be tilted 30° and rotated 360°, thus the beam spot can be accurately and conveniently aimed to any direction. The combination M3 high power light engine, the stylish die-cast trim and the reliable driver makes this recessed lighting fixture an ideal choice to meet all functional and aesthetic requirements of residential and commercial applications.

Order Information

Example: R1005-9-25T-VN-B-E-RP

Model R1005	Power	COB	Beam Angle	Trim Color
Integrated Recessed LED Engine Fixture	9 - 9W 12 - 12W 20 - 20W	25T - 2500K, CRI>95 27T - 2700K, CRI>95 30T - 3000K, CRI>95 35T - 3500K, CRI>95 30C - 3000K, CRI>90 40C - 4000K, CRI>90 DW - Dim to Warm 2200K-3000K SO - Special Order	VN¹ - Very Narrow Spot NS - Narrow Spot SP - Spot FD - Flood WF - Wide Flood	B - Black W - White
Dimming		Accessories		
E² - ELV/Triac Dimming V³ - 0-10V Dimming		RP - Rough-in Plate		

¹ VN (10°) is available only in 12W
² TRIAC/ELV dimmable driver is available for 120V only
³ 0-10V dimmable driver is available for 100-270V

Features

LED Light Source:

Available in a wide range of colour temperatures with high color fidelity and gamut to bring out vivid colors.

Optics:

TIR lens collimate light into precisely controlled beam shapes ranging from 10° narrow spot to 80° extra wide flood.

Driver:

Flicker free TRIAC or 0-10V silicon filled driver for maximum lifespan

Heat Sink:

Cold forged engine grade pin fin aluminum heat sink provides optimal heat Management in a small package.

Specification

CCT: 2500K/2700K/3000K/3500K/4000K
CRI: >90 / >95
Tilt: Tilt ±30°, Rotate 360°
Dimming: ELV/0-10V Dimming
Total lumen output max: 2200 lm @ 20W
Delivered lumen max: 1752 lm @ 20W
Power consumption: 9W / 12W / 20W
Power factor: >0.9
Power Driver Type: Constant Current
Input voltage: 120V, 60Hz
Approved locations: IP20, Dry
Lumen maintenance: 70% @ 60,000 Hrs
THD <20%
Certification: cETLus
Warranty: 5 years limited warranty

Dimensions

Cut Out: 4¼ inch
Outer Diameter: 4.5 inch
Ceiling Clearance Required: 4.7 inch

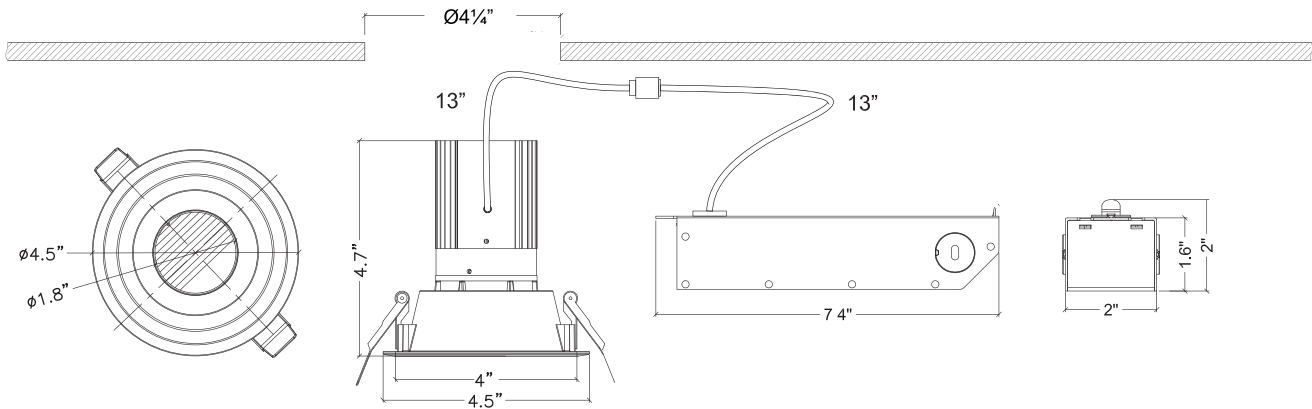
Project Name :
Location :
Quantity :
Date :
Note :



Consult website for detail:
www.vyvydlighting.ca/warranty

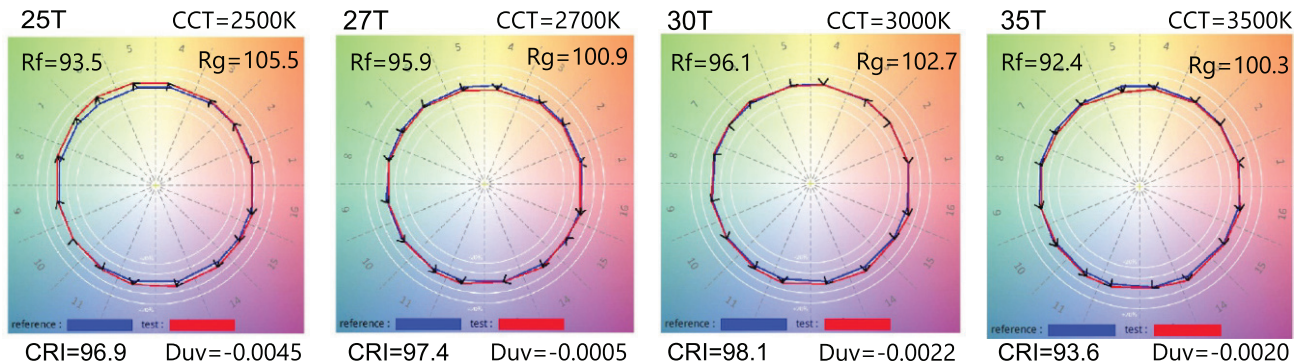
R1005 Integrated LED Recessed Light

Dimensions

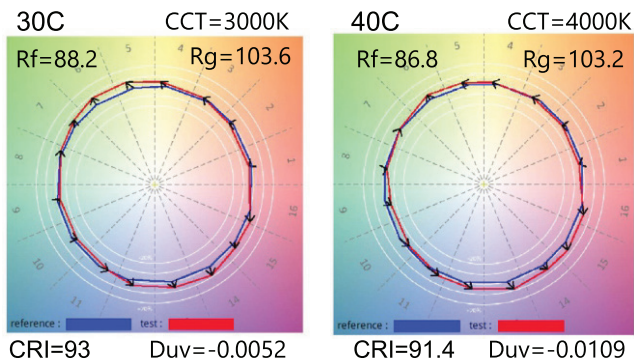


Colorimetric Data (TM30-15)

Realist Series: Full gamut light source that mimics the colour rendering property of halogen lamps.



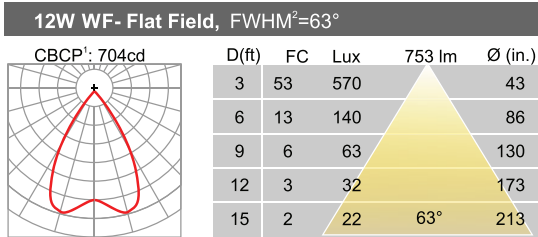
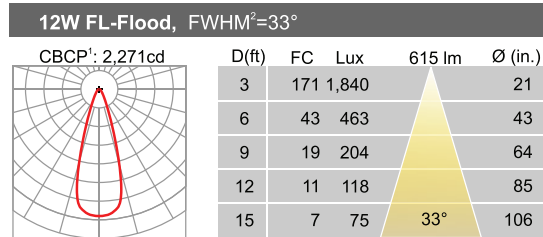
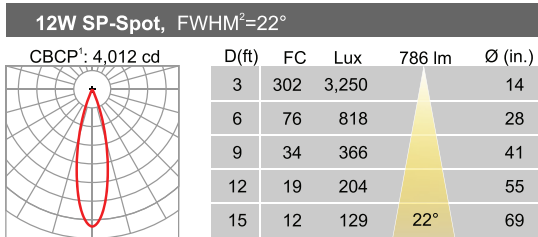
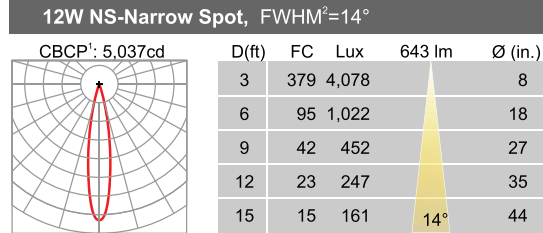
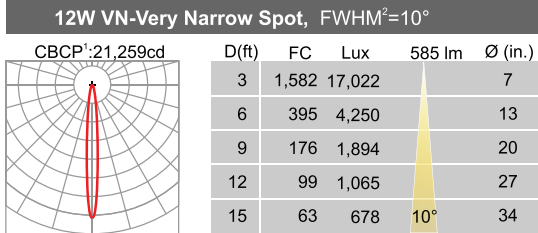
Impressionist Series: Colour enhancing light source that renders over-saturated colours



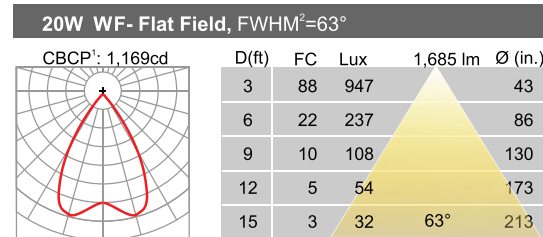
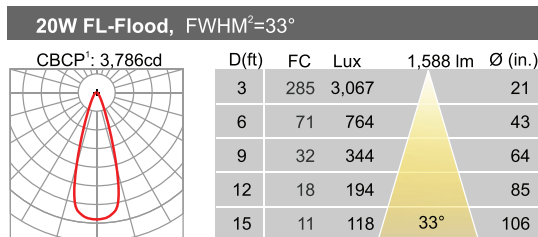
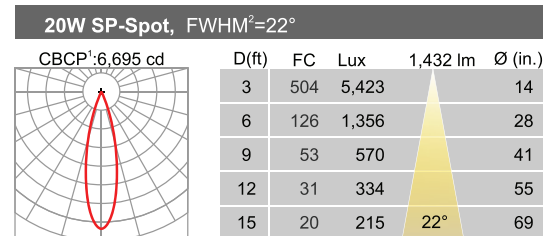
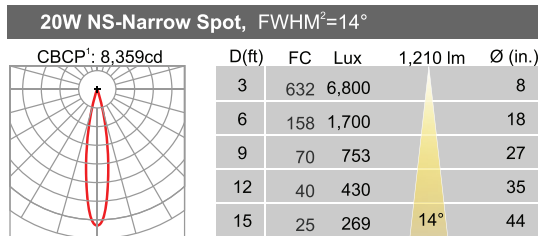
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Photometric Data

12 W



20 W



¹ CBCP: Centre Beam Candlepower
² FWHM: Full Width Half Maximum Angle

Data shown is measured for 30C light source. Multiply lumens, CBCP, FC and Lux by the following adjustment factors for other light sources

Light Source	25C	27T	30T	35T	30C	40C
Adjustment factors	0.88	0.95	0.98	1.03	1.00	1.11