



MIZAR R909

3¾" Gimbal Recessed Downlight

1300 lm | Dimmable | 12 W

Specification Sheet

Project Name :

Location :

Quantity :

Note :

Product Description

The Mizar R909 recessed downlight features a deep regressed adjustable trim. It provides comfortable low-glare illumination and blends unobtrusively into the ceiling. The combination of our M2 light engine, the stylish trim and the reliable driver makes this recessed downlight an ideal choice to meet all functional and aesthetic requirements of residential and commercial applications.

Specification

- Application: Ceiling Recessed Mount
- Ø 3¾ inch cut out hole
- Ø 1½ inch aperture
- Aiming: Tilt ±20°
- Powder coated die cast aluminum trim
- Cold forged aluminum pin fin heat sink
- PMMA TIR precision lens
- Clip designed for max. 3/4" thick ceiling
- Source lumen: 1300lm@12W
- Source lumens per watt: 110
- Delivered lumen: 950lm@12W
- Lumen Maintenance: 70% @60,000 hrs
- Approved Location: IP20, Dry
- Certification: cETLus
- Five year limited warranty, Consult website for detail: vyvydlighting.ca/legal



Order Information

Example: R909-12-30C-FD-B-V

Series R909	Power	Light Source	Beam Angle	Trim Colour	Dimming	Accessories
Integrated Recessed LED Downlight	9 - 9 W 12 - 12 W	Realist¹ 25T - 2500K, Ra>95 27T - 2700K, Ra>95 30T - 3000K, Ra>95 35T - 3500K, Ra>95 Impressionist² 30C - 3000K, Ra>90 40C - 4000K, Ra>90 DW - Dim Warming SO - Special Order	VN - Very Narrow Spot (9°) ³ NS - Narrow Spot (13°) SP - Spot (20°) FD - Flood (43°) WF - Wide Flood (56°)	B - Black W - White	E - TRIAC/ELV ⁴ V - 0-10V ⁵	[Blank] - None 43HC - Honeycomb Louvre B - Emergency ⁶

¹ Realist series full gamut COB LED mimics the colours rendering property of halogen lights.

² Impressionist series has the colour enhancing light source that renders oversaturated colours.

³ VN (9°) is available only in 9W

⁴ TRIAC/ELV dimmable driver is available for 120V only

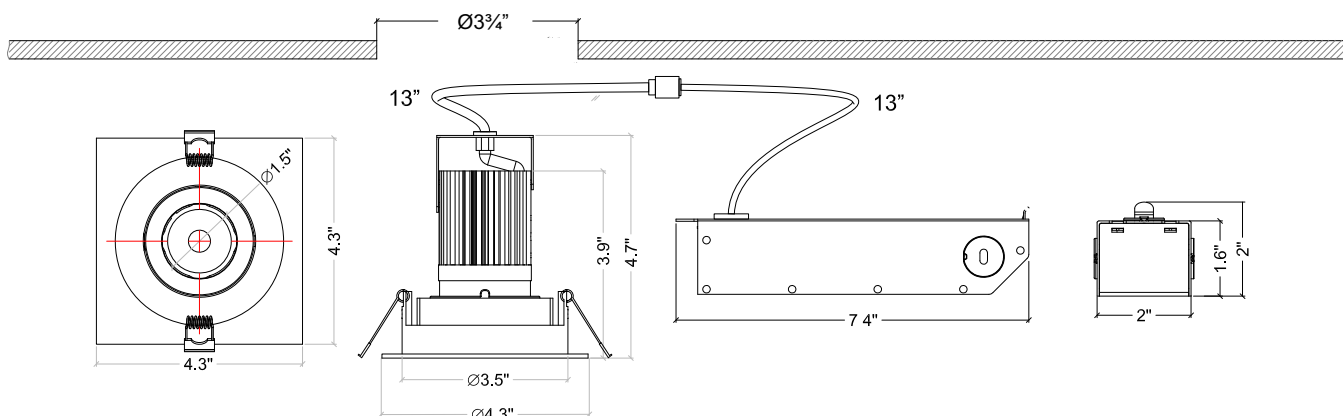
⁵ 0-10V dimmable driver is available for 100-270V

⁶ Emergency driver includes an emergency back up battery for 6W 90 minutes



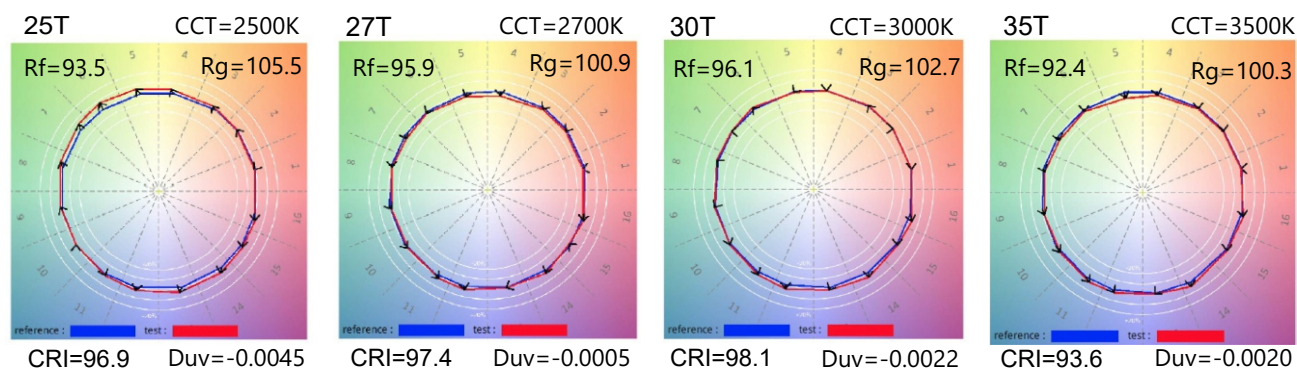
MIZAR R909 3¾" Gimbal Recessed Downlight

Dimensions

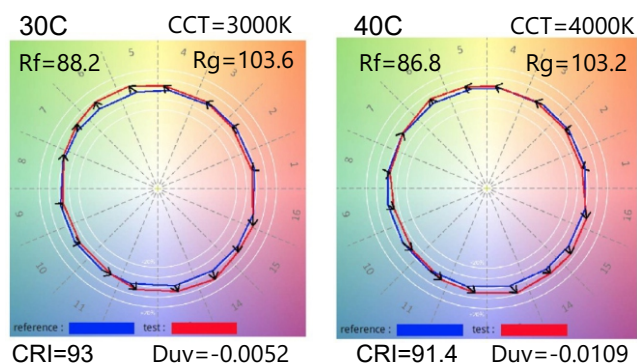


Colorimetric Data (TM30-15)

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

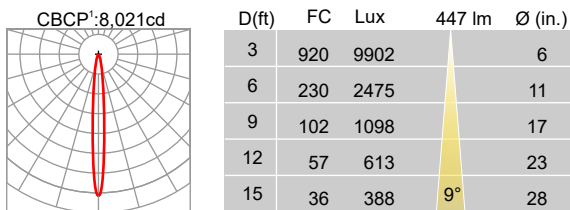


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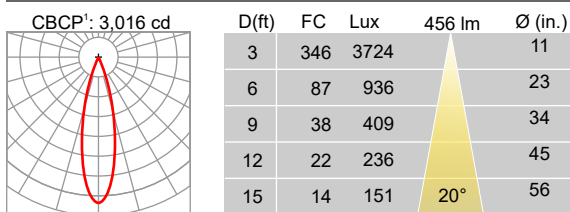
Photometric Data

9W

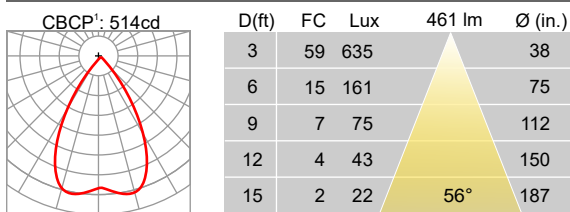
9W VN-Very Narrow Spot, FWHM²=9°



9W SP-Spot, FWHM²=20°

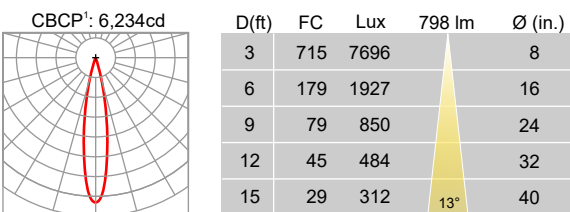


9W WF-Wide Flood, FWHM²=56°

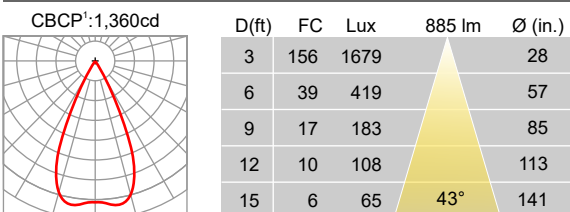


12W

12W NS- Narrow Spot, FWHM²=13°



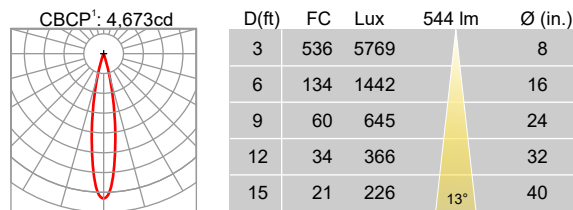
12W FD-Flood, FWHM²=43°



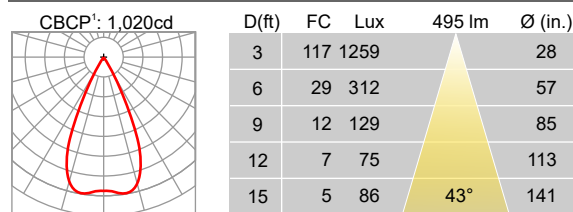
Data shown is measured for 30C light source. Multiply CBCP, FC and Lux by the following adjustment factors for other light sources

Light Source	25C	27T	30T	35T	30C	40C
Adjustment factors	0.88	0.92	0.98	1.02	1.00	1.05

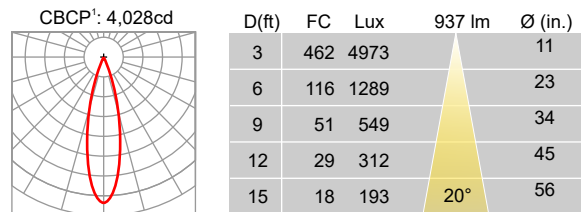
9W NS-Narrow Spot, FWHM²=13°



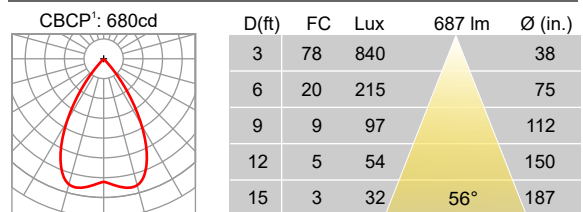
9W FD-Flood, FWHM²=43°



12W SP-Spot, FWHM²=20°



12W WF-Wide Flood, FWHM²=56°



¹ CBCP: Centre Beam Candlepower

² FWHM: Full Width Half Maximum Angle