

R1005 Merak M3

Integrated LED Lighting Fixture Fixed Eyeball Trim Recessed Downlight

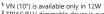
Product Description

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

			Example: 1005	3-231-VIN-D-L-INF
Model R1005	Power	СОВ	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	VN ¹ - Very Narrow Spot NS - Narrow Spot SP - Spot FD - Flood WF - Wide Flood	B - Black W - White
Dimming Accessories		Accessories		
E ² - ELV/Triac Dimming V ³ - 0-10V Dimming R		R P - Rough-in Plate		



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%

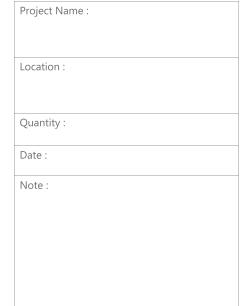
Certification: cETLus

Warranty: 5 years limited warranty

Dimensions

Cut Out: 41/4 inch Outer Diameter: 4.5 inch

Ceiling Clearance Required: 4.7 inch









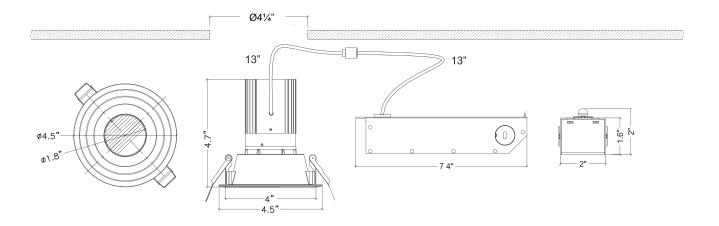






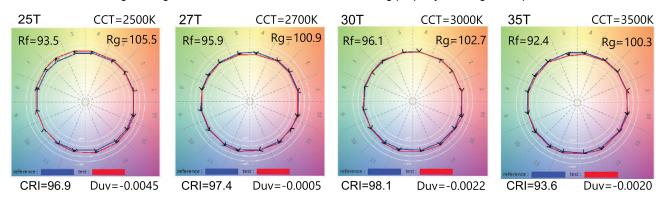
Consult website for detail: www.vyvydlighting.ca/warranty

Dimensions

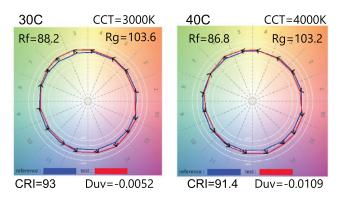


Colorimetric Data (TM30-15)

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

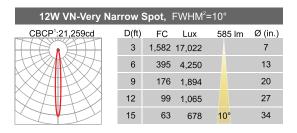


Impressionist Series: Colour enhancing light source that renders over-saturated colours



Photometric Data

12 W



HM ² =2	22°			
D(ft)	FC	Lux	786 lm	Ø (in.)
3	302	3,250		14
6	76	818		28
9	34	366		41
12	19	204		55
15	12	129	22°	69
	D(ft) 3 6 9 12	3 302 6 76 9 34 12 19	D(ft) FC Lux 3 302 3,250 6 76 818 9 34 366 12 19 204	D(ft) FC Lux 786 lm 3 302 3,250 6 76 818 9 34 366 12 19 204

12W WF- Flat Field , FWHM²=63°									
CBCP ¹ : 704cd	D(ft)	FC	Lux	753 lm	Ø (in.)				
	3	53	570		43				
	6	13	140		86				
	9	6	63		130				
	12	3	32		173				
	15	2	22	63°	213				

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

12W NS-Narrow Spot, FWHM²=14°									
CBCP1: 5,037cd	D(ft)	FC	Lux	643 In	n Ø (in.)				
	3	379	4,078		8				
	6	95	1,022		18				
	9	42	452		27				
	12	23	247		35				
	15	15	161	14°	44				

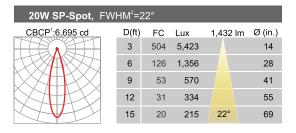
12W FL-Flood ,FWHM²=33°									
CBCP1: 2,271cd	D(ft)	FC	Lux	615 lm	Ø (in.)				
	3	171 1	,840		21				
	6	43	463		43				
	9	19	204		64				
	12	11	118		85				
	15	7	75	33°	106				

20 W

20W NS-Narrow Spot, FWHM²=14°								
CBCP ¹ : 8,359cd	D(ft)	FC	Lux	1,210 lm	Ø (in.)			
	3	632	6,800		8			
	6	158	1,700		18			
	9	70	753		27			
	12	40	430		35			
	15	25	269	14°	44			

20W FL-Flood , FWHM²=33°									
CBCP ¹ : 3,786cd	D(ft)		Lux	1,588 lm					
	3		3,067		21				
	6	71	764		43				
	9	32	344		64				
	12	18	194		85				
	15	11	118	33°	106				

¹ CBCP: Centre Beam Candlepower



20W WF- Flat Field, FWHM ² =63°									
CBCP1: 1,169cd	D(ft)	FC	Lux	1,685 lm	Ø (in.)				
	3	88	947		43				
	6	22	237		86				
	9	10	108		130				
	12	5	54		173				
	15	3	32	63°	213				

² FWHM: Full Width Half Maxium Angle