

JCLNR-MP

RECESSED T-GRID MOUNT IP65 RATED MRI & IMAGING ROOM LUMINAIRE



PRODUCT FEATURES

- IP65 Rated High ingress protection.
- 2x4, 2x2, 1x4 Recessed T-grid luminaire.
- Designed for cleanroom applications in ISO 1 rated cleanrooms where ceiling space is limited.
- High efficacy LED light source with 80/90+ CRI with tunable white option.
- Remote driver with RFI Filter.

SPECIFICATIONS

- **LIGHT SOURCE:** High output, high CRI LED light source comes with standard options: 19K / 27K / 30K / 35K / 40K / 50K, TW (27K-65K), RGBA (Red, Green, Blue, Amber).
- Serviceable tunable white, mid-power LED array provides 2700K through 6500K CCT range with a two-point path. Minimum 82 CRI standard (R9 >20) with optional minimum 90 - CRI (R9 >50).
- **MOUNTING:** T-Grid & Hard/Drywall ceiling
- Suitable for Insulation Contact (IC) recessed ceiling installation into 9/16" and 15/16" grid and flanged drywall ceilings (5/8" max.). See Ordering Information for selection. Suitable for 0°C - 40°C ambient temperature environments. Suitable for applications requiring USP 797 and USP 800 compliance.
- One piece inset doorframe, secured to housing with aircraft cables.
- **HOUSING** Made of 6063-T5 aluminium construction with gasketed aluminium end caps. Low-gloss anti-microbial white TGIC polyester powder-coat finish with five-stage pre-treatment.
- Fully Welded Construction: Robust and durable, providing long-lasting structural integrity.
- Housing color: White (RAL9003) / Or Custom RAL color
- Concealed Front Fixings: Sleek design with hidden fixings for a clean and professional appearance.
- **ANTIBACTERIAL** Coating: Ensures a hygienic surface, critical for clean room applications.
- **LENS/DIFFUSER** options: Tempered glass (IK08), standard PC, or antibacterial PC lens (IK10).
- Certified Clean room Compatibility: Fraunhofer IPA Certificate for use in ISO Cleanliness Classes 1 to 9, guaranteeing suitability for stringent clean room standards.
- **IP65 / NSF / ANSI 2 / P442** Rated
- Plenum Rated, RFI Filter Standard, ISO 1
- **WALKABLE FIXTURE:** Tested and rated at 150Kg/330Lbs.
- Multiple diffuser options: Tempered glass (IK08), standard PC, or antibacterial PC lens (IK10).
- **ANTIBACTERIAL PC LENS** thickness: 1.35 MM
- **PC LENS** thickness: 1.3MM Standard PC diffuser includes toughened glass for areas needing extra chemical protection UGR<22 Low glare lens.
- **TEMPERED GLASS LENS** thickness: 2MM
- **WARRANTY** 10Yr limited.



SPECIFICATIONS

Input Power:	2X2FT: 40W / 30W / 25W 1X4FT: 40W / 30W / 25W 2X4FT: 135W / 90W / 50W / 40W / 30W
Efficacy:	110lm/W to 125lm/W
CCT Options:	CCT: 19K / 27K / 30K / 35K / 40K / 50K TW (27K - 65K) R (Red) / G (Green) / B (Blue) / A (Amber)
CRI:	80 / 90 Optional
Input Voltage:	CC 120-277VAC/347VAC Internal driver
Output Voltage:	25-42VDC
Dimming:	0-10VDC Dimming Standard
Controls:	Optional Wireless Network Lighting Controls
Certifications:	Insulation Class II Fraunhofer IPA Certificate for clean room compatibility in clean rooms in ISO Cleanliness Classes 1 to 9
Ingress Protection:	IP65 Standard
EMC Standards:	EN 60598-1; EN 60598-2-2; EN 55015; EN 61000-3-2; EN 61000-3-3; EN 61547
Lifetime Based on TM21:	L80 @ 25°C ≥ 92,000 Hrs
Warranty:	10 Year Limited

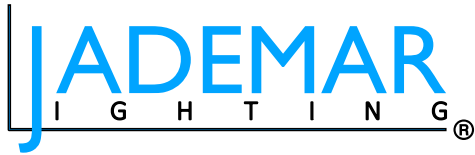
DIFFUSER OPTIONS



Quotations: quotes@jademar.com
To place an order: orders@jademar.com
Tel: (305) 640.0465 | Fax: (305) 640.0468
WWW.JADEMAR.COM



Jademar Lighting has prepared the information contained in this document with due care. However, Jademar Lighting does not warrant or represent that the information is free from errors or omission. While the information is considered to be true and correct at the date of publication, changes in circumstances after that date may impact on its accuracy. The information may change without notice and Jademar Lighting is not liable for the accuracy of any information printed and stored or interpreted or used.



SPECIFICATION SUBMITTAL DETAIL

PROJECT NAME:	
MODEL NUMBER:	
DATE:	

ORDERING GUIDE

STEP 1: ORDERING THE LUMINAIRE

ORDERING INFORMATION / EXAMPLE: **JCLNR-MP-24-135W-50K-ABPCL-CAT6M-PWC12-TG**

Product Number	CCT	Lens Options	Power Cord Options	Mounting Options	Other Options
JCLNR-MP-24-135W	19K 1900K	PCL PC Lens	CAT6M-PWC8 8FT Power Cord Standard	HC Hard/Drywall mount	Blank Not BAA/BABA
JCLNR-MP-24-90W	27K 2700K	ABPCL Antibacterial PC Lens	CAT6M-PWCx xFT Power Cord*		BAA Buy American Act*
JCLNR-MP-24-50W	30K 3000K	TGL Tempered Glass Lens			BABA Build America, Buy America*
JCLNR-MP-24-40W	35K 3500K				
JCLNR-MP-24-30W	40K 4000K				
JCLNR-MP-22-40W	50K 5000K				
JCLNR-MP-22-30W	R* Red				
JCLNR-MP-22-25W	G* Green				
JCLNR-MP-14-40W	B* Blue				
JCLNR-MP-14-30W	A* Amber				
JCLNR-MP-14-25W	TW Tunable White (2700K-6500K)				

* R, G, B, A can be ordered with any of the white CCTs: R+xxK, G+xxK, etc.
This option comes with 2-circuit wiring / control

STEP 2: ORDERING THE DRIVER BOX & CONTROLS

ORDERING INFORMATION / EXAMPLE: **JCLNR-MP-RD240W-DALI-CB-NLC-FC2-PWC12-NP7-15A-PWDC6-2C**

Product Number	Input Voltage	Dimming Options	Controls Options	Input Power Cord Opt. (AC Side)
JCLNR-MP-RD480W	Blank 120-277VAC	Blank 0-10V Dimming	CB-NLC-FC Casambi Fixture Controller	PWC6 6FT Power Cord (Standard)
JCLNR-MP-RD240W	H 120-347VAC	1PD 1% Dimming	SR-NLC-FC Silvair Fixture Controller	PWCx xFT Power Cord*
JCLNR-MP-RD120W		DALI Dali Driver	BN-NLC-FC Bubblynet Fixture Controller	
JCLNR-MP-RD135W		LTRN Lutron Driver	CB-NLC-FC2 Casambi Fixture Controller 2Ch.	
JCLNR-MP-RD90W			SR-NLC-FC2 Silvair Fixture Controller 2Ch.	
JCLNR-MP-RD50W/40W			BN-NLC-FC2 Bubblynet Fixture Controller 2Ch.	

NEMA Plug Opt. (Input / AC Side)	Output Power Cord Opt. (DC Side)	Circuit Options
Blank No Plug	PWDCx xFT Power Cord*	Blank 1 Circuit (Standard)
NP5-15A 125V, 2 pole, 3 wire grounding, 15 amp		2C 2 Circuit
NP7-15A 277V, 2 pole, 3 wire grounding, 15 amp		
NP8-15A 480V, 2 pole, 3 wire grounding, 15 amp		

* Replace "x" with desired value of Ft



Driver Box



LUMEN PERFORMANCE AND ELECTRICAL DATA

Product Number	JCLNR-MP-14			JCLNR-MP-22			JCLNR-MP-24				
Maximum Dimensions	11.73" x 47.72" x 3.94"			23.7" x 23.7" x 3.94"			23.7" x 47.72" x 3.94"				
Wattage	40W	30W	25W	40W	30W	25W	135W	90W	50W	40W	30W
Lumen Output (lm)	4,400	3,600	3,125	4,400	3,600	3,125	14,850	9,900	5,750	4,800	3,750
Nominal Efficacy (lm/W)	110	120	125	110	120	125	110	110	115	120	125
Net/Gross Weight	21 lbs / 44 lbs.			20 lbs / 42 lbs.			41 lbs / 88 lbs.				
	RGBA (Red/Green/Blue/Amber)										
	Nm			Lumen/Foot			Lumen/Watts			Watts/Foot	
	630nm			35.84			7			5.12	
	520nm			778.68			126			5.12	
	470nm			49.44			8			5.12	
	590nm			206			50			4	
CCT	Static: 19K/27K/30K/35K/40K/50K, TW (27K-65K), Red/Green/Blue/Amber										
Input Voltage	CC 120-277VAC/347VAC Internal driver										
CRI	>90										
THD	≤20%										
Power Factor	>0.90										
Dimming	0-10VDC Dimming Standard / 1% Dimming / DALI / Lutron										
Controls Options	Network Lighting Controls System Options: Silvair, Casambi, Bubblynet Bluetooth Lighting Controls Systems Options										
Construction	Frame Material: Aluminum Alloy / Diffuser: Polycarbonate, Antibacterial Polycarbonate, Tempered Glass / Back-plate Material: SPCC										
Light Distribution	110°										
LED L70 Lifetime (TM21 Calculated)	L80 @ 25°C ≥ 92,000 hrs										
Ambient Working Temperature	-25°C to 40°C (-13°F to 104°F)										
Certifications	UL Listed for Wet Locations / FCC / NSF / ANSI2 / P442 Rated										
Ingress Protection	IP65 Rated										
Limited Warranty	10 Yrs										

PRODUCT DIMENSIONS

