

JCLNR-MP

CEILING RECESSED MOUNT IP65 RATED MRI & IMAGING ROOM LUMINAIRE

PRODUCT FEATURES

- IP65 Rated High ingress protection.
- 2x4, 2x2, 1x4 Hard/Drywall ceiling recessed 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.



CLEANROOM



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



POLYCARBONATE
LENS (IK03)

ANTIBACTERIAL
PC LENS (IK10)

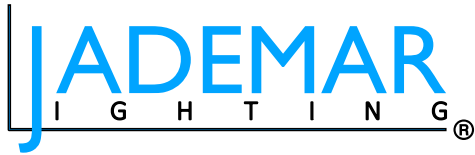
TEMPERED GLASS
LENS (IK08)



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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-HC**

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		
Red	630nm			35.84			7		5.12		
Green	520nm			778.68			126		5.12		
Blue	470nm			49.44			8		5.12		
Amber	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

