

# MEDMASTER™

## Architectural Multi-Function Patient Room Luminaires

### MPCNGX SERIES

#### PROJECT INFORMATION

Job Name \_\_\_\_\_

Fixture Type \_\_\_\_\_

Catalog Number \_\_\_\_\_

Approved by \_\_\_\_\_

#### PRODUCT FEATURES:

- » Architectural-grade multi-function recessed luminaire with ambient, exam and available reading functions
- » Universal housing accommodates either flange or grid applications
- » High-output, high-CRI white LED lamp sources for accurate color rendition and lighting performance
- » Diffused high-efficiency lens for reduced glare



2x2 Two-Function

2x4 Three-Function

2x4 Two-Function

#### SPECIFICATIONS

**HOUSING:** 20-gauge CRS with hole-free, one-piece, seam-welded construction. 18-gauge housing flange with mitered and welded corners. Gloss white TGIC polyester powder-coat finish with 5-stage pre-treatment.

**DOOR/LENS ASSEMBLY:** Seamless die-cast/extruded aluminum frame with tool-less access, secured to housing with internal torsion springs. 5-stage pre-treated low-gloss white TGIC polyester powder coat finish. High-efficiency diffused impact-resistant acrylic lens.

**ELECTRICAL:** Serviceable composite-bodied mid-power LED arrays. See Ordering Information for available CCT selections. Minimum 80 CRI standard (R9>20) with optional minimum 95 CRI (R9>50). 120-277VAC, 50/60Hz electrical input. Serviceable high power factor electronic, constant-current drivers (<10% THD, >0.90 PF). Standard 0-10V dimming with 0-100% range (1-100% range on reading function). 330µA max. source current per function. Optional LVCD control provides low-voltage patient interface, controlling the ambient and reading modes independently with dimming control, and the exam function independently without dimming. Optional secondary conduit entry available.

**SENSOR & CONTROLS:** Optional sensor available with compatible third party controls. To see the full list of compatible controls, click [here](#).

**INSTALLATION:** Non-IC recessed ceiling mounting into grid and flange application types. Flange installation utilizes included adjustable swing-out mounting brackets. Grid installation suitable for 1" and 1.5" T-bar ceilings. Universal installation into grid or flange (drywall) ceiling applications.

**WARRANTY:** Limited five (5) year LED warranty.

**LISTINGS:** Listed to UL1598 and UL8750 by Intertek Testing Laboratory (ETL) for Wet Locations. IP64 rating per IEC60598. NSF2 Splash/Non-Food Zone. Photometry tested to IESNA LM-79-08 standard by an ILAC/ISO17025 accredited laboratory. CCEA compliant.



#### ORDERING INFORMATION (Ex: MPCNGX24-42L/21L/96L-35K8-50K9-DCC-DV-LVCD)

Model	Size	Lamp Power	Ambient/Reading Lamp Color	Exam Lamp Color	Driver Type	Voltage	Options
<b>MPCNGX</b>					<b>DCC</b>		
	<b>Size</b>			<b>Exam Lamp Color</b>		<b>Voltage</b>	
	22	2'x2'		35K8 3500K, 80 CRI		DV 120-277 Volts	
	24	2'x4'		35K9 3500K, 95 CRI			
	<b>Lamp Power</b>			40K8 4000K, 80 CRI		<b>Options</b>	
	2'x2'			40K9 4000K, 95 CRI		LVC Low Voltage Controller (Click <a href="#">here</a> for specifications)	
	21L/48L	21W Ambient/48W Exam		50K8 5000K, 80 CRI		LVCS* Low Voltage Controller with Secondary Conduit Entry (Click <a href="#">here</a> for specifications)	
	2'x4'			50K9 5000K, 95 CRI		LVCD Low Voltage Controller with Dimming (Click <a href="#">here</a> for specifications)	
	42L/96L	42W Ambient/96W Exam		<b>Driver Type</b>		LVCDs* Low Voltage Controller with Dimming and Secondary Conduit Entry (Click <a href="#">here</a> for specifications)	
				DCC 0-10V Dimming Constant-Current		AMF Anti-microbial low-gloss white on all exposed surfaces	
	42L/21L/96L	42W Ambient/21W Reading/96W Exam					
	<b>Ambient/Reading Lamp Color</b>						
	35K8	3500K, 80 CRI					
	35K9	3500K, 95 CRI					
	40K8	4000K, 80 CRI					
	40K9	4000K, 95 CRI					
	50K8	5000K, 80 CRI					
	50K9	5000K, 95 CRI					

\* n/a with 2'x2' size

#### ACCESSORIES ORDERED SEPARATELY

MPWS Low Voltage Wall Switch (Click [here](#) for Specifications)



www.kenall.com | P: 800-4-Kenall | F: 262-891-9700 | 10200 55th Street Kenosha, Wisconsin 53144, USA

This product complies with the Buy American Act: manufactured in the United States with more than 50% of the component cost of US origin. It may be covered by patents found at [www.kenall.com/patents](http://www.kenall.com/patents). Content of specification sheets is subject to change; please consult [www.kenall.com](http://www.kenall.com) for current product details. ©2022 Kenall Mfg. Co.

A brand of **legrand**

# MEDMASTER™

## Architectural Multi-Function Patient Room Luminaires

### MPCNGX SERIES

#### THREE-FUNCTION PERFORMANCE

Mode	Input Power (W)	MPCNGX24 Series - Total Lumens				Estd. L70 LED Life (hrs)
		Min CRI/Min R9	3500K	4000K	5000K	
Ambient	53	80 / 20	4,125	4,209	4,572	85,000
		95 / 70	3,250	3,347	3,593	
Exam	112	80 / 20	10,290	10,500	11,407	85,000
		95 / 70	8,168	8,400	8,939	
High-Power Exam*	188	80 / 20	16,009	16,335	17,746	85,000
		95 / 70	12,673	13,039	13,921	
Reading	26	80 / 20	1,924	1,963	2,133	85,000
		95 / 70	1,516	1,561	1,676	

#### 2'x4' TWO-FUNCTION PERFORMANCE

Mode	Input Power (W)	MPCNGX24 Series - Total Lumens				Estd. L70 LED Life (hrs)
		Min CRI/Min R9	3500K	4000K	5000K	
Ambient	53	80 / 20	4,125	4,209	4,572	85,000
		95 / 70	3,250	3,347	3,593	
Exam	112	80 / 20	10,290	10,500	11,407	85,000
		95 / 70	8,168	8,400	8,939	
High-Power Exam*	188	80 / 20	14,124	14,412	15,656	85,000
		95 / 70	11,187	11,510	12,279	

#### 2'x2' TWO-FUNCTION PERFORMANCE

Mode	Input Power (W)	MPCNGX22 Series - Total Lumens				Estd. L70 LED Life (hrs)
		Min CRI/Min R9	3500K	4000K	5000K	
Ambient	26	80 / 20	2,063	2,105	2,286	85,000
		95 / 70	1,625	1,674	1,797	
Exam	56	80 / 20	5,145	5,250	5,704	85,000
		95 / 70	4,084	4,200	4,470	
High-Power Exam*	82	80 / 20	7,062	7,206	7,828	85,000
		95 / 70	5,594	5,755	6,139	

\* High-Power Exam mode is a scene created with the Ambient, Exam and Reading (if applicable) functions ON at 100% output. Visit [www.kenall.com](http://www.kenall.com) for IES files and additional information.



[www.kenall.com](http://www.kenall.com) | P: 800-4-Kenall | F: 262-891-9700 | 10200 55th Street Kenosha, Wisconsin 53144, USA

This product complies with the Buy American Act: manufactured in the United States with more than 50% of the component cost of US origin. It may be covered by patents found at [www.kenall.com/patents](http://www.kenall.com/patents). Content of specification sheets is subject to change; please consult [www.kenall.com](http://www.kenall.com) for current product details. ©2022 Kenall Mfg. Co.

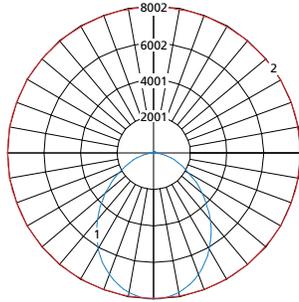
A brand of Legrand

# MEDMASTER™

## Architectural Multi-Function Patient Room Luminaires

### MPCNGX24 SERIES

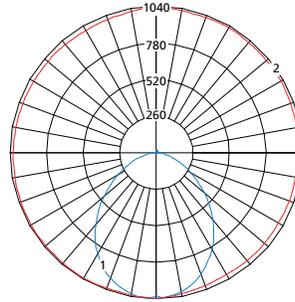
Model: MPCNGX24-42L/21L/96L-40K8-DCC-DV All Functions On



Maximum Candela = 8002 Located At Horizontal Angle = 15, Vertical Angle = 2.5

- 1 - Vertical Plane Through Horizontal Angles (15-195) (Through Max. Cd.)
- 2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)

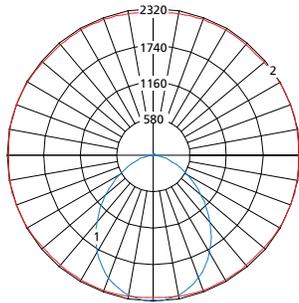
Model: MPCNGX24-42L/21L/96L-40K8-DCC-DV Reading



Maximum Candela = 1040 Located At Horizontal Angle = 270, Vertical Angle = 2.5

- 1 - Vertical Plane Through Horizontal Angles (270-90) (Through Max. Cd.)
- 2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)

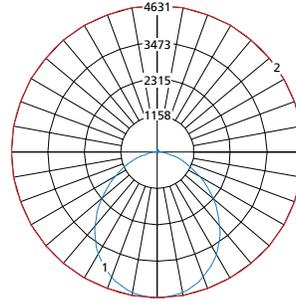
Model: MPCNGX24-42L/21L/96L-40K8-DCC-DV Ambient



Maximum Candela = 2320 Located At Horizontal Angle = 15, Vertical Angle = 2.5

- 1 - Vertical Plane Through Horizontal Angles (15-195) (Through Max. Cd.)
- 2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)

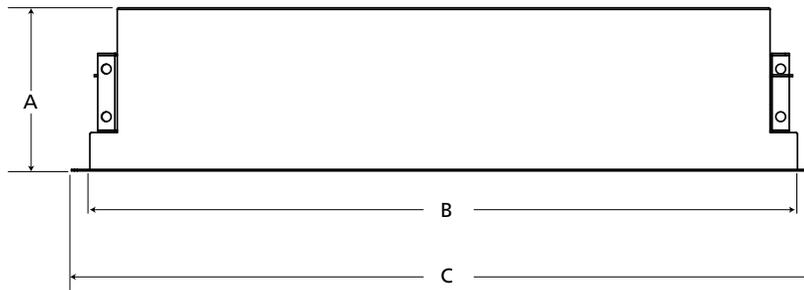
Model: MPCNGX24-42L/21L/96L-40K8-DCC-DV Exam



Maximum Candela = 4631 Located At Horizontal Angle = 0, Vertical Angle = 0

- 1 - Vertical Plane Through Horizontal Angles (0-180) (Through Max. Cd.)
- 2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

## DIMENSIONAL DATA



### DIMENSIONAL DATA (IN INCHES)

	A	B	C
<b>2x2</b>	5.42	22.60 x 22.60	23.75 x 23.75
Recommended Ceiling Cut-Out		22.85 x 22.85	
<b>2x4</b>	5.42	22.60 x 46.60	23.75 x 47.75
Recommended Ceiling Cut-Out		22.85 x 46.85	



www.kenall.com | P: 800-4-Kenall | F: 262-891-9700 | 10200 55th Street Kenosha, Wisconsin 53144, USA

This product complies with the Buy American Act: manufactured in the United States with more than 50% of the component cost of US origin. It may be covered by patents found at www.kenall.com/patents. Content of specification sheets is subject to change; please consult www.kenall.com for current product details. ©2022 Kenall Mfg. Co.

A brand of **legrand**