

# Medical Patient Room Troffers - Tunable White

6"x24" & 6"x48" Recessed LED Luminaire



- **For Patient Rooms**
- **2-Way Switching for Exam/Ambient Modes**
- **Available with Low Voltage Controller Setup**
- **Frosted Acrylic Lens for glare reduction**
- **Tunable White 2700k - 6500k CCT**
- **Available With DALI Or 0-10V Controls**



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## ORDERING GUIDE

Series	Installation Type	Material	Size	Source	CCT	Control	Voltage	Options
<b>ML</b>								
<b>ML</b>	<b>F/PR:</b> Flange <b>G/PR:</b> Grid	<b>1:</b> White CRS Hsg.	<b>6x48:</b> 6" x 48" Housing <b>6x24:</b> 6" x 24" Housing	<b>2/LEDTW</b> <b>3/LEDTW</b>	<b>827/865:</b> 80 CRI; 2700k-6500k CCT	<b>0-10v Analog Dimming</b> <b>10V-CON:</b> Continuous CCT 0-10v dimming <b>10V-WD:</b> Warm Dim 0-10V dimming <b>DALI Digital Dimming</b> <b>DAL-CON: Cont. CCT</b> DALI dimming	<b>120V</b> <b>277V</b> <b>UNV</b>	<b>FC:</b> Fuse & Holder (One Supplied Per Circuit) <b>RFI:</b> Providing with RF Filter for each circuit <b>EM10:</b> 10W Integral LED EM <b>LVC:</b> Low Voltage Controller <b>10KV:</b> 10KV Surge protection (1 per circuit) <b>Note: Two circuits, ambient and exam, are provided as standard.</b>

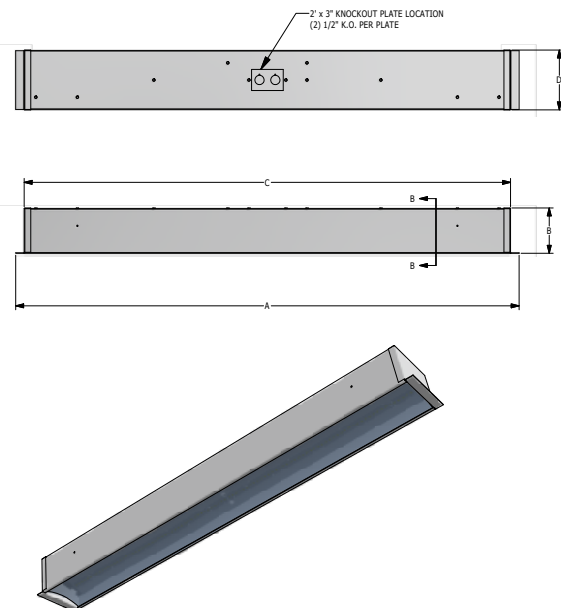
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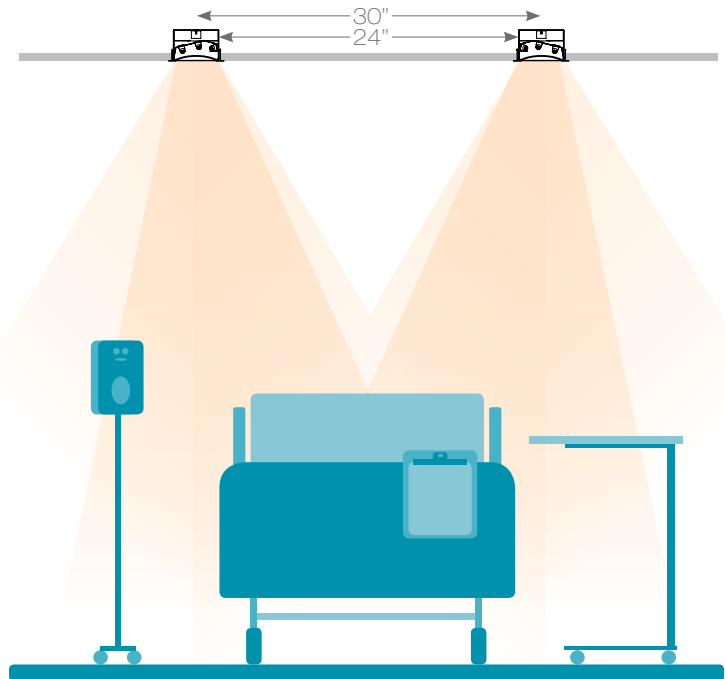
- HOUSING:** Formed and Welded 20Ga Steel housing. Flange housing is provided with factory installed flange kit.
- REFLECTOR:** Full reflector panel designed to enhance asymmetric distribution. High reflectance white powder coat finished (minimum reflectivity 92%).
- LEDS:** Commercially available minimum 80 CRI 2 channel LED modules use 2700K and 6500K chips to mix color in order to achieve a desired color temperature. Modules have rated lifetime of L70 > 50,000 hrs and efficacy of 165Lm/W . See LED options to specify a custom range of Color temperatures. Consult factory for lumen output configurations not listed on spec sheets.
- DRIVERS:** Dual Channel Programmable Drivers make color tuning simple. Available in 0-10v Analog Dimming or DALI digital dimming. The 0-10v continuous dimming method uses two sets of dimming wires. 1 set of dimming wires controls the luminous flux while maintaining consistent color and the other set controls the color in a linear dimming curve. 0-10v is also available as warm dimming that uses 1 set of dimming wires that adjust both intensity and color simultaneously. Alternately control is available with DALI Digital Dimming as well.
- INSTALL GRID:** Adjustable Zee-brackets provide even support. See options for integrated seismic support brackets. Wireway access is through a removable plate containing two silicone sealed knockouts. Note: This fixture is not for plaster or drywall ceilings.
- INSTALL FLANGE:** Two adjustable yoke mounting brackets provide even support. Wireway access is through a removable plate containing two silicone sealed knockouts. Note: This fixture is not for T-Bar Grid ceilings.
- FINISH:** White polyester powder coated over multi-stage pretreatment. See options for DuPont Alesta™ using Agion® silver ion antimicrobial powder coat finished housings.
- LISTINGS:** ETL listed per UL\_1598 for damp locations. Drivers and LEDs are covered by a 5 year warranty, the remaining fixture is covered by a 10 year warranty.

## PRODUCT DRAWINGS

6x48 PATIENT ROOM				
SIZE	DIM A	DIM B	DIM C	DIM D
6 x 48	47.68"	4.30"	46.06"	5.68"
6 x 24	23.68"	4.30"	22.50"	5.68"



14-AA-L-6x48 PATIENT ROOM DWG DATE: 12/20/2018



Two recessed asymmetric distribution luminaires installed at 30 inches on center provide examination level illumination across the full bed surface.

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## ENERGY DATA

LED PATIENT ROOM TROFFER WITH EXAM/AMBIENT MODE						
ENCLOSURE SIZE	LIGHT PACKAGE	Tunable White 80 CRI (4000K)			CCT RANGE	MAX AMBIENT TEMP <sup>4</sup> (°C)
		LUMENS <sup>1</sup>	WATTAGE <sup>2</sup>	EFFICACY <sup>3</sup>		
6x48	1 LED AMBIENT	1,900	29	66	2700k - 6500k	40°C (104°F)
6x48	1 LED EXAM + 1 LED AMBIENT	5,000	59	85	2700k - 6500k	40°C (104°F)
6x48	2 LED EXAM + 1 LED AMBIENT	8,150	84	97	2700k - 6500k	40°C (104°F)
6x24	1 LED AMBIENT	950	15	63	2700k - 6500k	40°C (104°F)
6x24	1 LED EXAM + 1 LED AMBIENT	2,450	30	82	2700k - 6500k	40°C (104°F)
6x24	2 LED EXAM + 1 LED AMBIENT	4,050	44	92	2700k - 6500k	40°C (104°F)
ALL	EM10 <sup>5</sup>	900*	4	NA	NA	40°C (104°F)

- 1 DELIVERED LUMEN DATA IS CALCULATED BASED ON STATIC WHITE PHOTOMETRY @ 4000K CCT
- 2 WATTAGE IS MEASURED @ 120vAC AND Tambient = 25C. WATTAGES MAY VARY WITH ALTERNATE CONFIGURATIONS
- 3 EFFICACY CALCULATED USING 80 CRI 4000K CCT DATA.
- 4 MAX TEMP RATING IS WITH NO OTHER OPTIONS SELECTED.
- 5 90 MINUTE 10W EMERGENCY DRIVER; LUMENS CALCULATED BASED ON FIXTURE EFFICACY.