



CATALOG NUMBER
PROJECT
TYPE

MECRL

LED Patient Room / Health Care



EXAM
AMBIENT
READING

DESCRIPTION

The MECRL is an LED patient room fixture, designed for placement on both sides of the patient bed. Featuring ambient, exam, and reading lights, the MECRL can integrate with patient bedside controls with an integrated Curbell low voltage controller. Separately switched ambient, exam, and reading lights. The MECRL featured a radial acrylic diffuser that provides glare free, even illumination and diffusion of the LED diodes. Available in 4' and 8' lengths, with numerous color temperature and lumen output configurations. Custom lumen outputs available.

ELECTRICAL SYSTEM

0-10V 1% dimming driver included standard, 120/277V applications. Lutron and driver upgrades are available. Long-life LED system rated for >100K life hours (L70 @ 45°C). Complies with federal energy efficiency standards.

OPTICAL SYSTEM

Radial acrylic diffuser provides glare free and even illumination, with diffusion of the LED diodes. Symmetrical ambient light, with asymmetric exam LEDs to focus light over the patient bed. Reading lights are angled 15°.

LISTINGS

UL and cUL listed.

MOUNTING

Standard T-Grid, Slot Tee, and Recessed flanged with drywall frame kit available.

HOUSING

20 gauge steel housing. White TGIC polyester powder coat – 5-stage pre-treatment. Salt spray test: 1,000 hours; Reflectance: 92%. Anti-Microbial white paint available.

LED

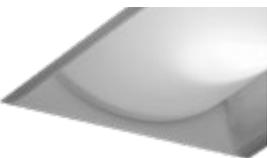
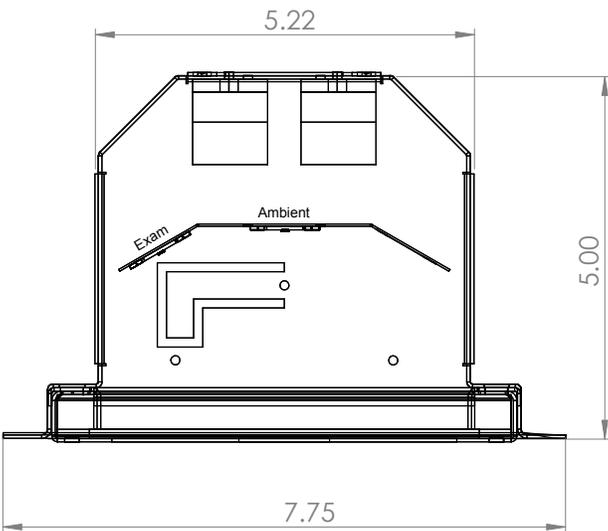
LEDs available in 2700K, 3000K, 4000K and 5000K with CRI > 82. Reported life is >100,000 hours at 70% lumen maintenance. 90 CRI available.

WARRANTY

5 - Year Limited Warranty. Complete warranty and terms located at: www.aelnow.com/warranty

STANDARD

OPTIONAL



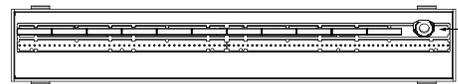
Reading



Ambient



Ambient + Exam Light



Reading Light

ORDERING INFORMATION

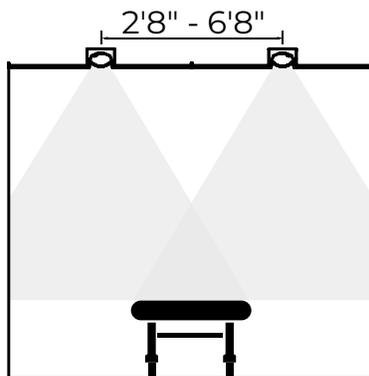
Example: MECRL4-G-40-L10300-40

Series	Mounting	CCT	Ambient/Exam Illumination	Reading CCT	Reading
MECRL4 48"	F Drywall Frame Kit	27 2700K	L10300 2800 Lumens Ambient 7500 Lumens Exam	27 2700K	L1700 1700 Lumens
MECRL8 96"	G Grid	30 3000K	L10400 4300 Lumens Ambient 6100 Lumens Exam	30 3000K	L2100 2100 Lumens
	ST Slot Tee	35 3500K	L10500 5700 Lumens Ambient 4800 Lumens Exam	35 3500K	L2500 2500 Lumens
		40 4000K	L11000 2800 Lumens Ambient 8200 Lumens Exam	40 4000K	
		50 5000K	L12000 4300 Lumens Ambient 7700 Lumens Exam	50 5000K	
			L13000 5700 Lumens Ambient 7300 Lumens Exam		

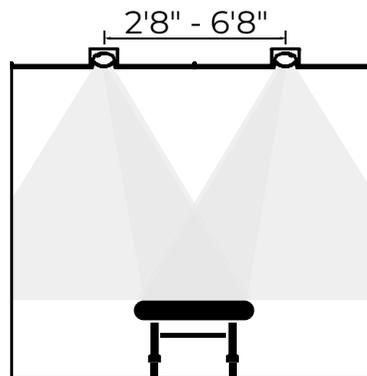
Orientation	Voltage	Circuits
R Right Hand Orientation	M Multi-Volt (120/277V)	3 3 Circuits
L Left Hand Orientation		

Driver Options	Options
BLANK 0-10V 1% Dimming Driver (included standard)	12EBL 1200 Lumen Emergency Ballast
CD5 0-10V 5% to Off Dimming Driver	90 90 CRI Ambient/Exam/Reading
EDN Electronic Driver Non-Dimming	LVC Low Voltage Controller with Dimming
FLDD Fifth Light Dali, Dimming	LVCWS Low Voltage Controller Wall Switch
LDE1 Lutron Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology	FW 6' Flex Whip
LDE5 Lutron LDE5 5-Series Ecosystem 5% Dimming	AM Anti-Microbial White Paint

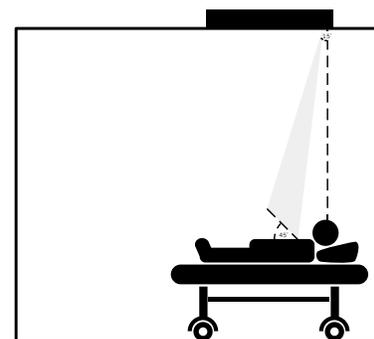
ORIENTATION CONFIGURATION



Ambient distribution



Ambient + Exam distribution



Reading Light distribution

LED SYSTEM DATA

Ambient Lumens	System Wattage	L70 @45C (hrs)
2800	18	>100K
4300	28	>100K
5700	37	>100K

Exam Lumens	System Wattage	L70 @45C (hrs)
4800	31	>100K
6100	40	>100K
7300	48	>100K
7500	50	>100K
7700	51	>100K
8200	54	>100K

Reading Lumens	System Wattage	L70 @45C (hrs)
1700	13	>100K
2100	16	>100K
2500	19	>100K

Approximate Color Temperature Multiplier	
5000K	1.03
4000K	1
3500K	0.97
3000K	0.94
2700K	0.91