

Description:

The Solar Series light is a versatile fixture designed for patient rooms, offering up to five lighting functions: Reading, Ambient, and Exam as standard, with optional Chart and Night lights. Prioritizing patient safety, its fully enclosed lamps provide protection, while its advanced lenses and reflectors deliver clean, glare-free illumination. Tunable white technology mimics natural daylight with a color range of 2700K - 6500K, enhancing caregiver focus with cool white light and promoting patient relaxation with warm white tones.

Features:

- Hospital grade material and finish
- Ambient light
- Reading light
- Exam light
- Night light (optional)
- Chart light (optional)
- Long lasting LEDs



Construction Material:

Housing: 20ga CRS, single piece, seam-welded construction.

Finish: White urethane powder coat finish – 5 step treatment; hospital grade material and finish.

Lens: Exam: sliding semi-specular parabolic louver and clear prismatic lens. Ambient: perforated steel with pearlescent acrylic diffuser.

Drivers: High power factor constant current, 0.97 pf @ 120 V (Class 2, Class II).

Tunable Driver: Bridgelux vesta with the 0-10 V control module.

Lamp Shielding: Sliding semi-specular parabolic louver and clear prismatic lens.

Ingress Barrier: 3 mm clear acrylic barrier covers the entire fixture using a piano hinge. Door frame secured to the housing and a closed cell neoprene/EPDM/SBR gasket seals the door frame to the housing.

Specifications:

Color Tuning: 2700K - 6500K Tunable White Ambient.

Voltage: 120 - 277 V.

Wattage: Reading: 25.4 W, Ambient: 32.4 W, Exam: 96.8 W, Total: 154.6 W.

MacAdam Step: Three (3) step MacAdam variation.

Light Output: Reading: 3,062 lms, Ambient: 3,695 lms, Exam 11,434 lms, Total: 18,191 lms.

Dimming: 0-10 and dali options available.

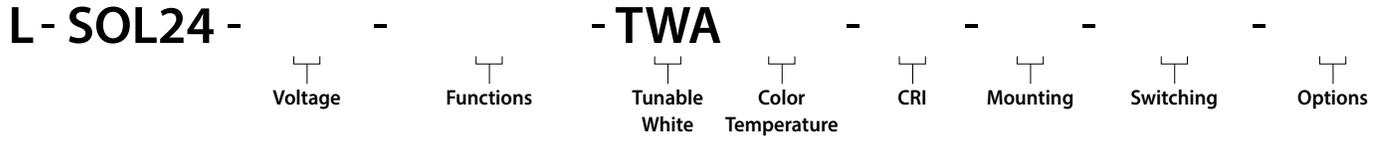
Color Quality: 80 CRI Standard. Contact Factory for 90 CRI.

Color Temperature: 3000K, 3500K, 4000K.

Life of LEDs: L70 >100,000 hours.

Warranty: Limited five (5) year warranty.

Ordering Guide:



For Example: L-SOL24-120-AL111-TWA30-A-G-LVC-IA

Solar Series 2' x 4' Multifunction LED Light, 120 Volts, Reading (standard lms)/Ambient (standard lms)/Exam (standard lms), Tunable White, 3,000 Kelvin, 80 CRI, Grid Mount, Low Voltage Controller, Ingress Barrier & All Options

Ordering Information:

Series	Voltage*	Functions	Tunable White**	Color Temperature (for other functions)	CRI	Mounting	Switching	Options
L-SOL24	120	AL111 Reading (standard lms), Ambient (standard lms), Exam (standard lms)	TWA Tunable White Ambient	30 3000K	A 80 CRI	F Flange Mount	000 No Switch (provided by others)	IB Ingress Barrier
	277	AL112 Reading (standard lms), Ambient (standard lms), Exam (high lms)	**Contact factory for other functions as tunable white	35 3500K	B 90 CRI	G Grid Mount	LVC Low Voltage Controller	NL Night Light
	<i>*Consult factory for 347 V requirement</i>	AL121 Reading (standard lms), Ambient (high lms), Exam (standard lms)		40 4000K		S Surface Mount	LVD Low Voltage Controller with Dimming	CH Chart Light
		AL122 Reading (standard lms), Ambient (high lms), Exam (high lms)		XX Custom Temperature			LMS LightMaster without Dimming	CN Chart & Night Lights
		AL211 Reading (high lms), Ambient (standard lms), Exam (standard lms)					LMD LightMaster with Dimming	IA Ingress Barrier & All Options
		AL222 Reading (high lms), Ambient (high lms), Exam (high lms)						00 No Options
		CLXYZ Custom Lumens						

Standard Output:

Ambient = 3,050 lms

Exam = 5,824 lms

R1 - Reading Light:

Reading Light = 3,062 lms

High Output:

Ambient = 8,280 lms

Exam = 11,640 lms

Multiple Functions in One Fixture:

