Solar Series
Duo Med Multifunction LED Light
Tunable

Amico
Lighting Solutions

Description:

The Duo Med Tunable White LED Light is designed to meet general patient room needs with up to three lighting functions: Ambient, Exam, and Reading. Its fully enclosed LEDs ensure patient safety, while advanced lenses and reflectors deliver glare-free, optimized illumination for caregivers. Mimicking natural daylight with a tunable range of 2700K - 6500K, it supports caregiver focus with cool white light and promotes patient relaxation with warm tones. Featuring a tandem design, the sleek and modern Duo Med Series saves ceiling space, enhances clinical efficiency with asymmetric light distribution, and creates a comforting, home-like healing environment.

Features:

- Hospital grade material and finish
- Acrylic diffuser
- Ambient lights
- Exam lights
- Reading lights
- Seam welded enclosure
- Long lasting LEDs
- Options for triple gasketing and overlapping door available

TUNABLE WHITE

Construction Material:

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

Finish: White urethane powder coat finish – hospital grade material and finish.

Lens: IP65 rated fully enclosed CRS cover, with 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.

Light Source: Samsung LEDs mounted on Aluminum Core PCB.

Specifications:

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

Voltage: 120 - 277 Volts.

Standard Wattage: Ambient: 30 W, Exam: 40 W, Reading: 5 W, Total: 75 W, Total Pair: 150 W.

Standard Light Output: Ambient: 3,185 lms, Exam: 4,230 lms, Reading: 450 lms, Total: 7,865 lms, Total Pair: 15,730 lms.

Dimming Options: 0 - 10 Volts, Standard 1% dimming; DALI options available.

Color Quality: Standard 80 CRI, contact factory for 90 CRI option.

Standard Color Temperature: 3000K, 3500K, 4000K (contact factory for additional options).

Life of LEDs: L70 > 100,000 hours.

Listings: Certified to UL standards by ETL. Conforms to CSA standards as per ETL testing.

Warranty: Limited five (5) year warranty.

ETL   LED   5 YEAR limited warranty

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Ordering Guide:

L - SDM - H - ‎ ‎ - ‎ ‎ - ‎ ‎ - TWA - ‎ ‎ - ‎ ‎ - ‎ ‎ - ‎ ‎ - ‎ ‎

| Voltage | Functions | Tunable White | Color Temperature | CRI | Mounting | Switching | Options |

For Example: L-SDM-H-120-AL111-TWA30-A-G-LVC-00
Solar Series Duo Med Multifunction LED Light, 120V, Reading (standard lms)/Ambient (standard lms)/Exam (standard lms), Tunable White, 3000 Kelvin, 80 CRI, Grid Mount, Low Voltage Controller, No Options

Ordering Information:

Series	Voltage*	Functions		Tunable White**	Color Temperature*** (for other functions)		CRI		Mounting		Switching		Options	
L-SDM-H	**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)	**00**	No options, Standard Inset Door
	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	**OD**	Overlapping Door
	*Consult factory for 347 V requirement	**AL121**	Reading (standard lms), Ambient (high lms), Exam (standard lms)		**40**	4000K					**LVD**	Low voltage controller with dimming	**IT**	Inset Door, Triple Gasketing
		AL122	Reading (standard lms), Ambient (high lms), Exam (high lms)		**XX**	Custom Temperature					**LMS**	Light Master without dimming	**OT**	Overlapping Door, Triple Gasketing
		AL211	Reading (high lms), Ambient (standard lms), Exam (standard lms)		******Consult factory for additional options***						**LMD**	LightMaster with dimming		
		AL222	Reading (high lms), Ambient (high lms), Exam (high lms)								**DAL**	Digital Addressable Lighting Interface Driver (DALI)		
		A100	Ambient only (standard lms)											
		A200	Ambient only (high lms)											
		A1E1	Ambient (standard lms), Exam (standard lms)											
		A2E2	Ambient (high lms), Exam (high lms)											
		A1E2	Ambient (standard lms), Exam (high lms)											
		A2E1	Ambient (high lms), Exam (standard lms)											
		CLXYZ	Custom Lumens											

Standard Output:
(per fixture)
Ambient = 3,185 lms, 30 W, 106 lms/W
Exam = 4,230 lms, 40 W, 106 lms/W
Reading = 450 lms, 5 W, 90 lms/W

High Output:
(per fixture)
Ambient = 4,118 lms, 39 W, 106 lms/W
Exam = 6,345 lms, 60 W, 106 lms/W
Reading = 1,013 lms, 12 W, 85 lms/W

R1 - Reading Light:
Chip on Board (COB)
Reading = 450 lms, 2 W

R2 - Reading Light:
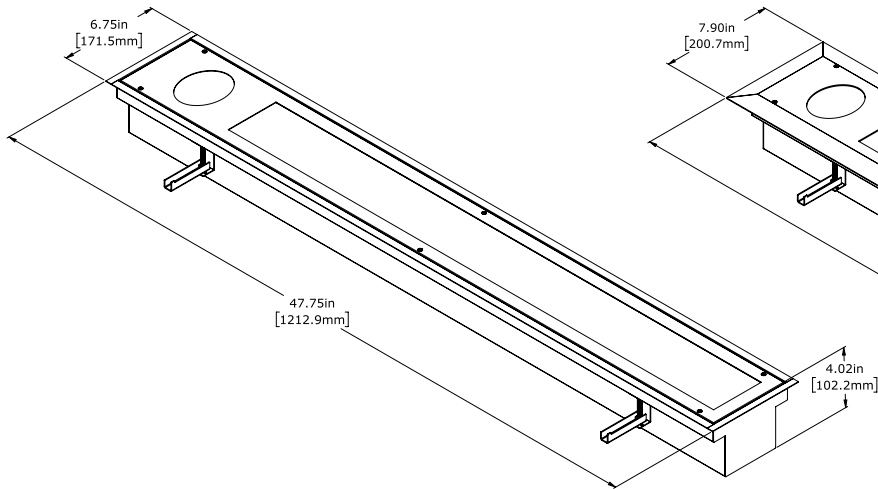**Chip on Board (COB)**
Reading = 1,013 lms, 12 W

c**ETL**us   **LED**   **5**YEAR limited warranty

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Dimensions:

Inset Door:

6.75in
[171.5mm]

47.75in
[1212.9mm]

4.02in
[102.2mm]

Overlapping Door:

7.90in
[200.7mm]

49.05in
[1245.9mm]

4.34in
[110.3mm]
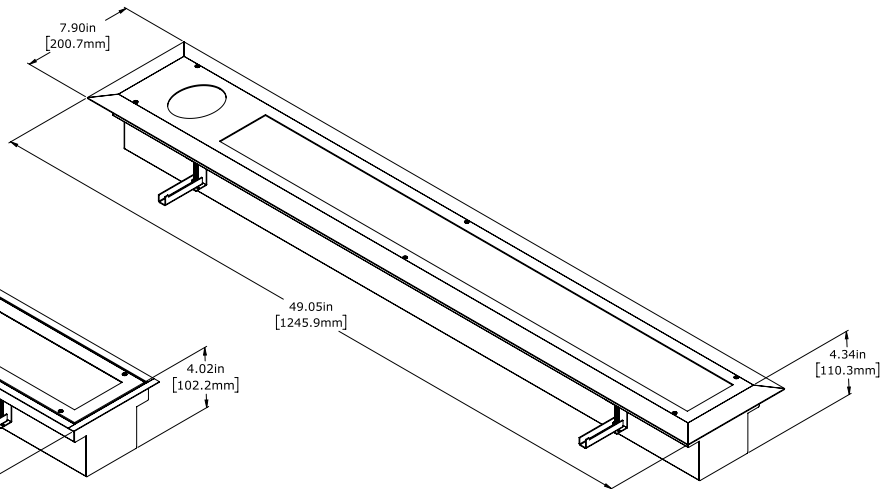
Distance Between Swing Arm and Flange:

2.48in
[63mm]

2.61in
[66.2mm]

5.82in
[147.7mm]
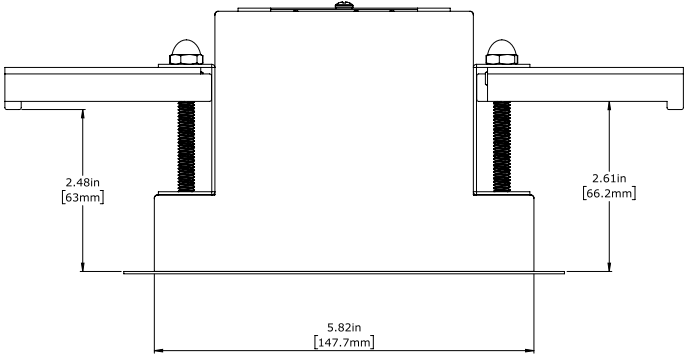
Ceiling Cutout Dimensions:

*Per Single Duo Med Fixture

Ceiling Cutout Length (inches)	Ceiling Cutout Width (inches)
47.25	6.125

*Ceiling Cutout should be accurate within 1/16 of an inch

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