

Project		Catalog #		Type	
Prepared by		Notes		Date	



Fail-Safe

MAO | LD4 LED

Medical Ambient Open LED Acrylic Basket,
2' x 2' and 2' x 4'

Typical Applications

Healthcare • Patient Rooms • General Areas • Corridors

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Product Certification



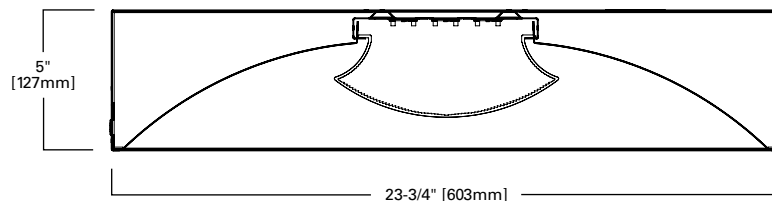
Product Feature



Top Product Features

- 2x2, 2x4 sizes
- Matte white architectural paint
- Anti-microbial paint available
- Frosted lens or clear acrylic lens with perf inlay
- Low voltage controller available
- Lens gasket available to seal lens to housing
- Options to meet Buy American and other domestic preference requirements

Dimensional and Mounting Details



Order Information

SAMPLE ORDER NUMBER: MAO-G-4-LD4-2STD-40-UNV-EDC1-CAP

Domestic Preferences	Product Family	Mounting	Length	LED	No. of LED Modules in Cross-section	Illumination Level	Color Temperature	Voltage
Domestic Preferences ⁽⁸⁾	Product Family	Mounting	Length	LED	No. of LED Modules in Cross-section	Illumination Level	Color Temperature	Voltage
[Blank]=Standard BAA=Buy American Act TAA=Trade Agreements Act	MAO=Medical Ambient Only ⁽⁵⁾	G=9/16", 1" or 1-1/2" T-bar grid	2=2' 4=4'	LD4=LED 4.0	1=(1) LED Module 2=(2) LED Modules 3=(3) LED Modules	STD=Standard LO=Low HI=High	30=3000K 35=3500K 40=4000K 50=5000K	UNV=120V-277V
Notes (8) Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to DOMESTIC PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.	Notes (5) Hard metric sizes available. Consult factory for ordering information.							

Driver Type	No. of Circuits	Diffuser	Options	Accessories
Driver Type	No. of Circuits	Diffuser	Options	Accessories (ordered separately) ⁽⁹⁾
EDC_=Electronic Driver, Non-Dimming EDD_=Electronic Driver, 0-10V Dimming 10% ED1D_=Electronic Driver, 0-10V Dimming 1%	1=1 Circuit 2=2 Circuits 3=3 Circuits	FA=Frosted Acrylic, Linear Ribbed CAP=Clear Acrylic, Perforated Inlay	EL10W=10W Emergency Battery Pack ^{(2), (4)} GSKLNS=Gasketing applied down the entire length of both lips of the lens LVCP=Low Voltage Relay, Separate control of Inboard/Outboard (for 3 rows) or Left/Right (2 rows) LEDs ^{(3), (4), (6)} LVCP/IB=Low Voltage Relay, Inboard circuit only, LVCP connected to Inboard LED row. Circuit for Outboard LEDs controlled by line voltage ^{(3), (4), (6), (7)} LVCP/OB=Low Voltage Relay, Outboard circuit only, LVCP connected to Outboard LED rows. Circuit for Inboard LED row controlled by line voltage ^{(3), (4), (6), (7)} GLR=Fuse and Holder AM=Antimicrobial Matte White Finish (All painted parts) 90=90CRI	MSC4-PK=Mounting Security Clips. Use secure fixture to grid or to attach tie-wires. DFCL-2448W-U*=2' x 4' gasketed drywall framing kit. Ships with gasket to be applied in field. Cut out dimension 24.25" x 48.25" DFCL-1248W-U*=1' x 4' gasketed drywall framing kit. Ships with gasket to be applied in field. Cut out dimension 12.25" x 48.25" DFCL-2424W-U*=2' x 2' gasketed drywall framing kit. Ships with gasket to be applied in field. Cut out dimension 24.25" x 24.25" * Change W to AMW for antimicrobial matte white finish
			Notes (2) When choosing emergency battery pack, voltage must be specified. When using Emergency with three LED modules in cross-section, only "LO" illumination is available. With two LED modules in cross-section, "LO" or "STD" illumination level is available. (3) The switching device is to be a normally open, momentary contact switch. (4) LVCP is factory wired for sequential control: Load 1 On Load 2 On Both Loads On Both Loads Off (6) Must specify voltage. (7) LVCP/IB and LVCP/OB only available with 3 rows of LEDs.	Notes (9) Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.

Product Specifications

Application

- Designed for use in healthcare facilities where ambient illumination is required including:
 - Patient Rooms
 - Corridors
 - General areas

Housing and Reflector

- Die-formed aluminum construction
- Electrostatically applied, Matte White powder coat finish
- Optional Matte White antimicrobial finish

Lens

- Frosted, linear ribbed acrylic lens; 0.100" thickness
- Optional clear acrylic with perf inlay

LEDs

- Available in 3000K, 3500K, 4000K and 5000K; 85 CRI minimum
- Choice of Standard, Low or High illumination levels
- Projected life is 50,000 hours at 70% lumen maintenance

Electrical

- Electronic driver 120-277V, dimming driver standard
- 0-10V dimming down to 1% or 10%
- Non-dimming available

Compliances

- cULus listed for damp locations

Warranty

- Five year limited warranty on LEDs and Electrical, consult website for details. www.cooperlighting.com/legal

Nominal Input Watts/Delivered Lumens

 [View IES files](#)

Number of Modules, Level	2' Length Fixture		4' Length Fixture	
	Input Watts	Delivered Lumens*	Input Watts	Delivered Lumens*
1LO	12.9	1231	26.3	2558
1STD	17.6	1670	36.6	3470
1HI	22.8	2050	45.3	4262
2LO	26.2	2378	52.4	4942
2STD	36.6	3226	73.2	6704
2HI	45.0	3962	94.4	8233
3LO	39.3	3549	78.6	7377
3STD	54.9	4814	109.8	10006

Nominal input wattage values include LED voltage, drive current and typical driver efficiency. Refer to LM79 test data/photometric files for exact delivered lumen values and input wattage, as values shown above are nominal/approximate.

*Values represent fixture with frosted acrylic diffuser.