MODULED® MATRIX™

MODULAR LIGHTING BY LITON

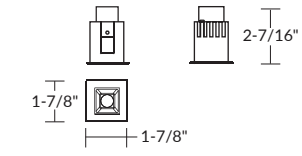
TYPE _____ PROJECT _____

CATALOG# _____

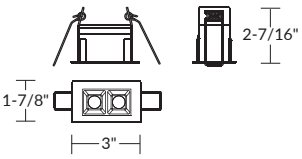
MXLFG1-101/MXLFG1-102

FLANGED DOWNLIGHT, MINIATURE LINEAR LED

- Competitively priced flanged modular design
- 3000K, 3500K, and 4000K CCT
- 200-400 delivered lumens (2W-4W)
- 24VDC input

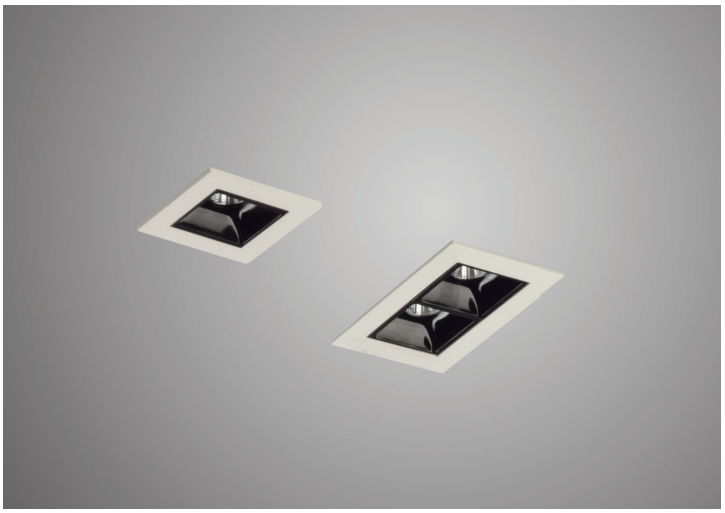


MXLFG1-101

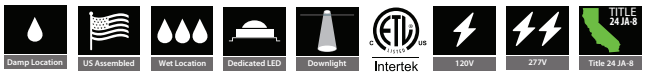


MXLFG1-102

Matrix recessed linear wall washes and downlights are an aesthetic and performance upgrade from traditional linear fluorescent lighting with their high efficiency, and visual comfort. Matrix is available in flanged, trimless, and adjustable configurations from 1 to 15 cells to bring elegance and flexibility in a variety of lighting applications.



MXLFG1-101/MXLFG1-102 (Flanged Frame)



Ordering Example: MXLFG1-101BBUE-B30-T30

MXLFG1-101

Driver/Frame	Cell Finish	Trim Finish	Dimming	Beam Spread	CCT	Options

Driver/Frame

1-Cell Downlight 200lm (2W)	**MXLFG1-101**
2-Cell Downlight 400lm (4W)	**MXLFG1-102**

Cell Finish

Black	**B**
White	**W**
Silver	**S**
Custom	**CSTM**

Trim Finish

Black	**B**
White	**W**

Dimming

Remote Driver Dimmable	**Blank***
120V/277V Non-Dimming	**UE**

Beam Spread

15° Narrow Spot	**-B15**
30° Narrow Flood	**-B30**
40° Flood	**-B40**

CCT

3000K, 90 CRI	**-T30**
3500K, 90 CRI	**-T35**
4000K, 90 CRI	**-T40**

OPTIONS

None	**Blank**
Wet Location	**-WL[1]**

[1] IP65 Special Order.

*See page 3 for 24VDC power supplies.

2023.07.31

MXLFG1-101/MXLFG1-102
FLANGED DOWNLIGHT, MINIATURE LINEAR LED

SPECIFICATION

Applications

Matrix recessed linear wall washes and downlights are available in flanged, trimless, and adjustable configurations from 1 to 15 cells, to bring quiet elegance and contemporary sophistication to governmental, educational, commercial, hospitality and retail lighting applications.

Housing

Extruded aluminum with flanged trim in black, white, or silver high-quality powder coat finish for maximum durability. Custom colors are available. Contact factory. Friction clips secure housing to sheet rock ceiling on MXLFG1-101. Torsion spring clips at each end of the housing secure the fixture to sheetrock ceiling on MXLFG1-102. (-CH) Chicago Plenum option is available. Contact factory. **Housing is not insulation contact (IC) rated.**

Reflectors

A series of 1.4" square cells hold single LED diodes that provide excellent visual cut off with a very comfortable Unified Glare Rating (UGR) of less than 10. Cell Finish is available in black, white or silver finish. Custom colors are available. Contact factory.

LED Details

Color Temperature - Osram LEDs are binned to 3-step MacAdam ellipses within the ANSI C78 377A standard for color temperature and chromaticity ranges light binning allowance. 90 CRI standard.

Lumen Maintenance - Minimum 50,000 hours L70 life based on ANSI TM-21 calculations from LM80 standardized test results.

Dimming Details

Driver - Dimmable with Remote Driver (Blank). Non-dimming with 120V/277V (-UE). Highly efficient 24V DC with a power factor up to 0.99. 120V/277V AC for any residential or commercial applications.

Dimming - Superior PWM dimming technology compatible with many models of Triac, ELV, and 0-10V forward and reverse phase dimmers, and on/off switches.

Thermal Management - Effective thermal management facilitated by integral extruded aluminum heat sink design for maximum heat dissipation to provide long LED life.

Certifications and Listings

ETL/cETL listed to UL1598 and UL8750. Suitable for dry and damp locations. NYC approved: Calendar #41937. Optional IP65 **(-WL) Wet Location** option is suitable for wet locations, ***covered ceiling only.*** California Energy Commission (CEC) Approved as High Efficacy under Title 24/ JA8. (MXLFG1-101, MXLFG1-102.

Warranty

Covered by a 5-Year Warranty to be free of defects in materials and craftsmanship. Recommended for applications where ambient temperatures do not exceed 35°C. Installations exceeding this temperature will result in reduced LED lamp life and a voided warranty.

Title 24/JA8 Compliant

TITLE 24 JA-8
Title 24 JA-8

MXLFG1-101
MXLFG1-102

TITLE 24 JA-8
Title 24 JA-8

24V POWER SUPPLIES

Universal Dimming

Model	Description	Input Voltage	Wattage	Dimming	Listing	DIMENSIONS (in.)
LD533V024-1227-60-DUN-JB	60W 5-Wire Power Supply	120V/277V	60W	0-10V/Triac/ELV	UL, cUL Listed	7.4" x 3.7" x 1.6"
LD533V024-1227-96-DUN-JB	96W 5-Wire Power Supply	120V/277V	96W	0-10V/Triac/ELV	UL, cUL Listed	8.6" x 3.7" x 1.6"
LD533V024-1227-200-DUN-JB	200W 5-Wire Power Supply	120V/277V	200W	0-10V/Triac/ELV	UL, cUL Listed	10.2" x 3.7" x 1.6"

DALI Dimming

Model	Description	Input Voltage	Wattage	Dimming	Listing	DIMENSIONS (in.)
LD533V024-96-DLI-JB	96W 0.1% DALI Power Supply	120V/277V	96W	DALI	UL Listed	9.6" x 2.5" x 1.2"

Lutron Dimming

Model	Description	Input Voltage	Wattage	Dimming	Listing	DIMENSIONS (in.)
LD533V024-1227-96-L3D0E	Hi-Lume Premier 0.1% EcoSystem 24V constant voltage LED driver with Soft-on, Fade-to-Black dimming technology	120V/277V	96W	PWM	UL, cUL Listed	10.5" x 5.5" x 2.0"

Non-Dimming

Model	Description	Input Voltage	Wattage	Dimming	Listing	DIMENSIONS (in.)
LD533V024-1227-240	240W Non-Dimming Power Supply	120V/277V	240W	Non-Dimming	UL Listed	8.6" x 2.7" x 1.5"