

MALLO1

LED Architecture Linear Light



SPECIFICATIONS

Construction

- Strong, durable formula for long-lasting color.
- Die-cast aluminum end caps with magnetic interface.
- The diffuser and end caps at the ends of the fixture overlap to eliminate gaps and LED visibility.
- Independent LED uplighting modules are available.
- Custom pattern with optional for Line, L, X, T, Y, V joiners.
- Suspended, surface or wall mount in 2', 4', 6', 8' lengths.

Optics

- Optional dual circuit switching for independent dimming of indirect and direct light outputs.
- Optional for five level Light Distribution by dip switch.
- Optional anti-glare UGR louver reflectors with UGR<19, or batwing distribution.
- Light engines are available in CCT adjustable: 2700K/3000K/3500K/4000K/5000K.
- Scalable lumen packages from 2,400 to 9,600 lumens and up to 120 lm/W.
- <3 SDCM color consistency, 80CRI, or 90 CRI option.
- High-quality flat frost diffuser for smooth light distribution and uniformity.

Lifespan

- Estimated 50,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations.

Finish

- It's available in White, black, painted aluminum or custom color.

Electrical

- Universal 120-277 VAC input voltage.
- Standard with 0-10V dimming driver and dimming range from 0-100%.
- Optional for power adjustable: 100%, 75%, 50%.
- Both drivers have a power factor >90%, THD <20%
- Highly efficient and durable Class II drivers are available.
- Operating Temperature Range: -20°C to 40°C (-4°F - + 104°F).

Controls

- Optional integrated sensor for daylight dimming and/or occupancy detection (optional).
- Optional for Bluetooth controller or Bluetooth sensor.
- Optional emergency battery backup.

Installation

- Pendant: steel wire rope mount.
- Surface: For dry ceiling or T-Grid ceiling and wall mounting.
- Recessed: Trimless recess/trim visible recess/drop ceiling recess/dry wall recess mount.

Warranty

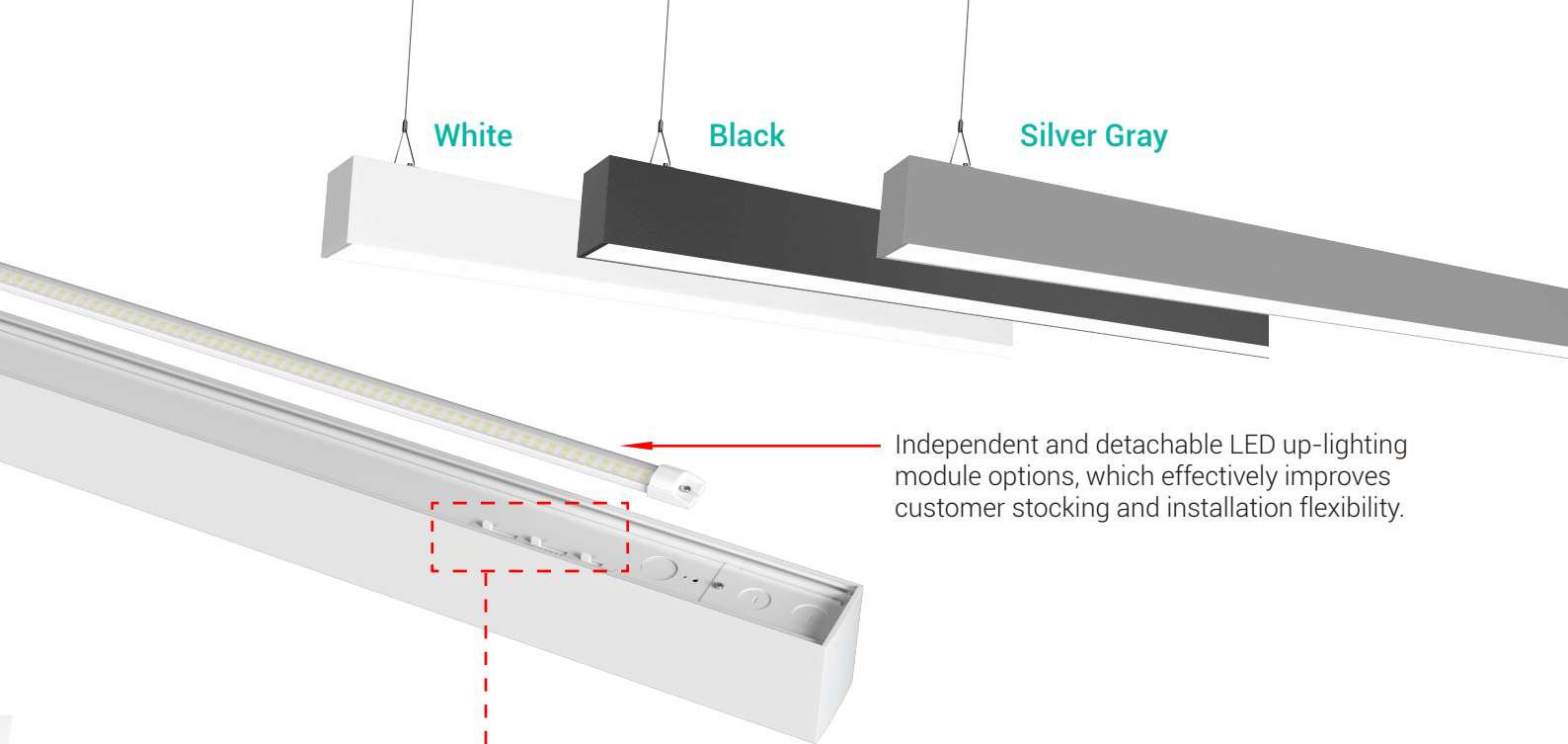
- Five-year limited warranty.

Certifications

- UL cUL damp location listed.

Note

- Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 C (±5 C) specifications subject to change without notice.



White

Black

Silver Gray

Independent and detachable LED up-lighting module options, which effectively improves customer stocking and installation flexibility.



WATTAGE, CCT AND DISTRIBUTION SELECT ADJUSTMENT

The dip switch is located on the top of the luminaire, which is easy to operate and supports 3 lumen output and 5 color temperature adjustments. And 5 distribution adjustment options are available.

- **WATTAGE ADJUSTABLE TECHNOLOGY**

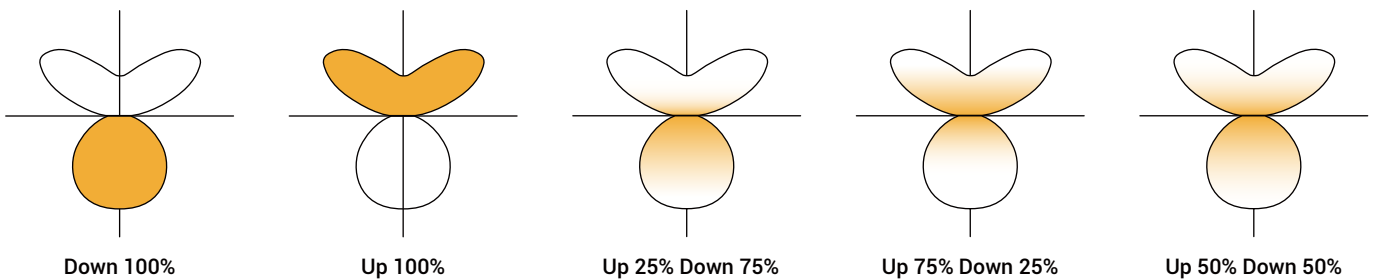
Each model supports 3 positions wattage regulation: 100%, 75%, 50%

- **CCT ADJUSTABLE TECHNOLOGY**

Five CCT adjustable: 2700K, 3000K, 3500K, 4000K, 5000K

- **DISTRIBUTION ADJUSTABLE TECHNOLOGY**

Five distribution adjustable:



0-10V TUNABLE WHITE

Contractor friendly Tunable White luminaires are available at low cost, with powerful and simple 0-10V tuning and intensity controls.

Tunable white features

- CCT range: 2700K-5000K
- Dimming Range: 100% to 1%.
- CRI Options: 80 CRI or 90 CRI.

DIM TO WARM

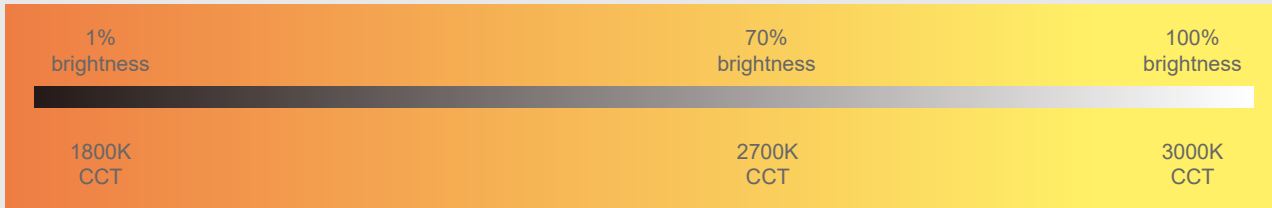
The brightness and color temperature of the light can be flexibly adjusted according to different scenes and needs, providing a richer visual experience. The specific advantages are as follows:

Create a comfortable atmosphere and provide a better visual experience.

Be highly energy-efficient and effectively reduce heat emissions.

Be compatible with intelligent control systems and adapt to various application scenarios.

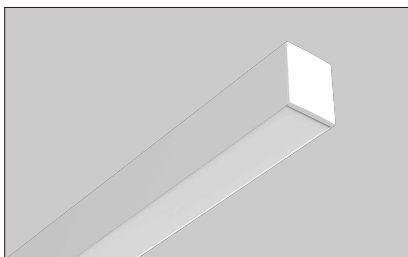
Color temperature adjust according brightness



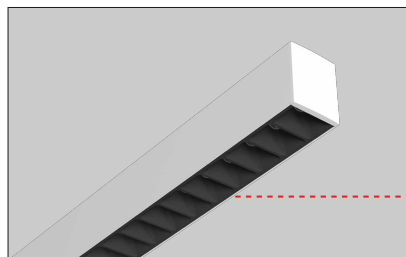
SUPPLEMENTARY DRIVER PAGE

Driver Options	
Blank	0-10V dim 5% (Linear)
DM1	0-10V dim 1% (Linear)
DW	Dim to warm 1% (Linear)
TW	0-10V Tunable white 1% (Linear)
DL	Dali2 Tunable white 0.1% (Linear)

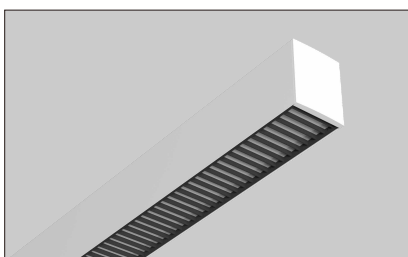
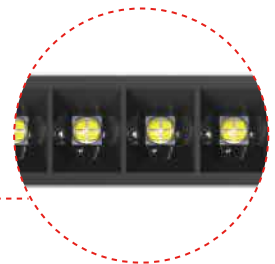
OPTICS



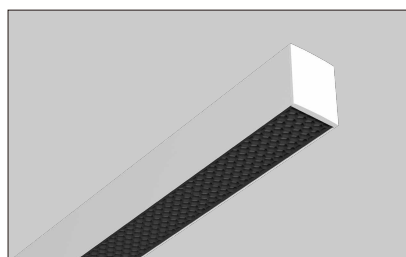
Frosted diffuser provides soft and Comfortable lighting.



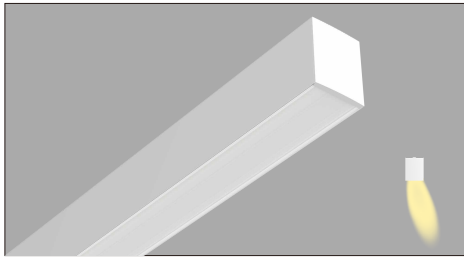
Optional anti - glare UGR louver reflector provides excellent lighting effect with UGR<19.



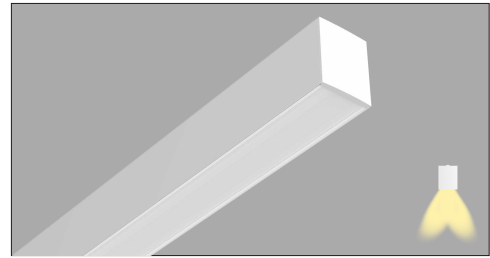
Louver lens provides focused lighting with reduce glare.



Hex louver lens Provides focused lighting with reduce glare, UGR<19.



The Asymmetric lens projects an soft uniformity on the wall for a Asymmetric effect.



The Batwing lens can make the light pattern present a soft and uniform Batwing light on both sides of the wall.

PERFORMANCE DATA

	2700K(80CRI)	3000K(80CRI)	3500K(80CRI)	4000K(80CRI)	5000K(80CRI)
Delivered Lumens Per Foot	1250lm/Ft	1250lm/Ft	1350lm/Ft	1350lm/Ft	1300lm/Ft
Input Watts Per Foot	10W/Ft	10W/Ft	10W/Ft	10W/Ft	10W/Ft
Lumens Per Watt	125lm/W	125lm/W	135lm/W	135lm/W	130lm/W

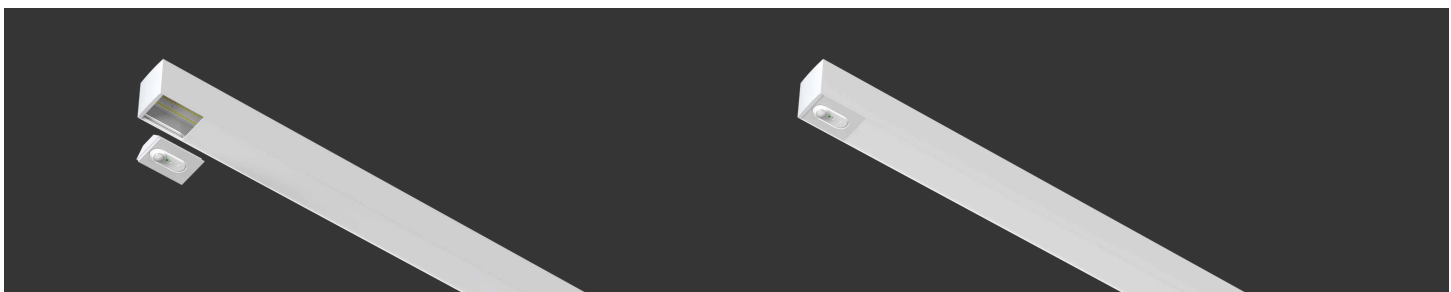
Note: All these parameters are based on the parameters of the opal lens.

ELECTRICAL DATA

Number Of Drivers	Driver Current(mA)	Nominal Power(W)	INPUT VOLTAGE(V)	CURRENT(Amps)
1	430	20	120	0.17
		20	208	0.10
		20	240	0.08
		20	277	0.07
1	850	40	120	0.33
		40	208	0.19
		40	240	0.17
		40	277	0.14
1	1300	60	120	0.50
		60	208	0.29
		60	240	0.25
		60	277	0.22
1	1700	80	120	0.67
		80	208	0.38
		80	240	0.33
		80	277	0.29

PLUG-IN PIR SENSOR

The optional receptacle for plug-and-play sensor eliminates the need for on-site modifications, making installation quick and hassle-free.

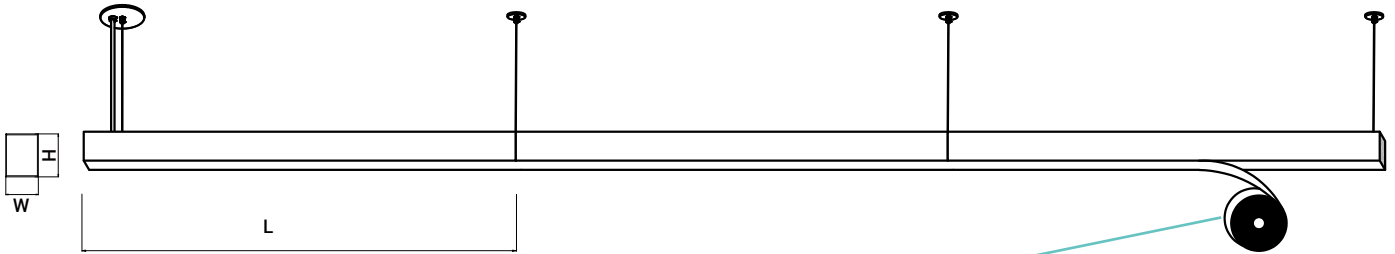


PRODUCT DIMENSION

CONTINUOUS RUN

120VAC: Connections up to 40ft.
 277VAC: Connections up to 100ft.

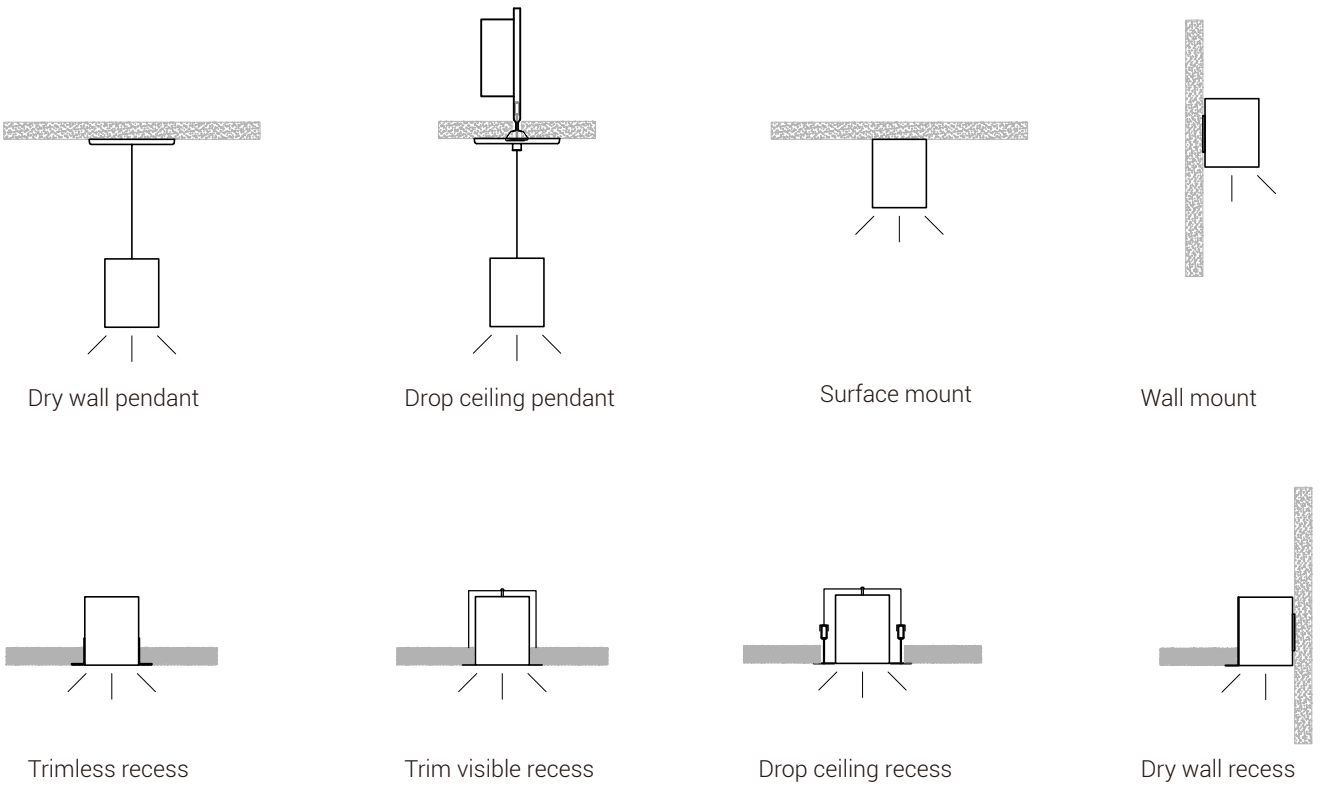
L	W	H
2/4/6/8FT	2.4Inch	3.15Inch



Diffuser (Sold Separately)

Optional continuous rolling lens which can reach seamless continue runs up to 100' is available

WAY TO INSTALL



Dry wall pendant

Drop ceiling pendant

Surface mount

Wall mount

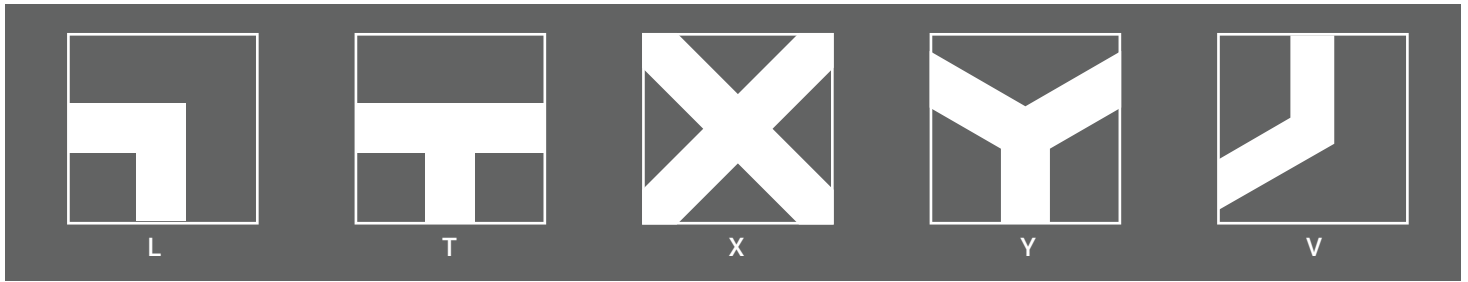
Trimless recess

Trim visible recess

Drop ceiling recess

Dry wall recess

WAY TO SPLICER



ORDERING GUIDE

Example: MALL01 4FT 40W 27V DDK Y Y Y Y Y Y Y Y

Fixture Type	Size	Power Consumption	Input Voltage	CCT (Option)	Finish (Option)	CRI	Lens (Option)	Sensor (Option)	Emergency Battery (Option)	CCT and Power Adjustable (Option)	Mounting (Option)	Internal Code
MALL01 Architecture Linear Light Series	2FT	20W 20 Watts	27V 120-277V	DDK CCT Adjustable	B Black	H 80	D Diffuser	M With Sensor	B Emergency Battery	AD' With adjustment dial	DWP Dry wall Pendant	Blank Alphanumeric
	3FT	30W 30 Watts			W White	Y 90	L Louver	Blank Without Sensor	Blank Without Emergency Battery	Blank Without adjustment dial	DCP Drop ceiling pendant	
	4FT	40W 40 Watts			SG Silver Gray	UGL UGR Louver		SM Surface mount				
	6FT	60W 60 Watts			HL Hex Louver		WM Wall mount					
	8FT	80W 80 Watts			A Asymmetric		TR Trimless recess					
					B Batwing		TVR Trim visible recess					
		W Wall Wash		DCR Drop ceiling recess								
		G 1/4-Glow		DWR Dry wall recess								
		R Regress										