

Dialight

PWM SERIES LV LINEAR MODULES



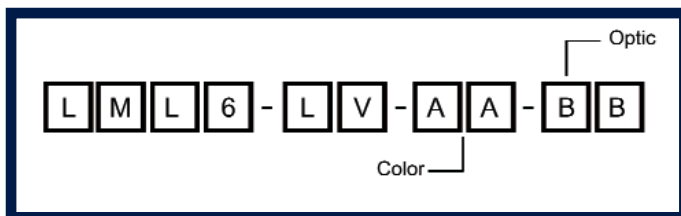
FEATURES / BENEFITS

- ▲ Fully modular linear arrays of ultra high brightness LEDs
- ▲ Utilizes the latest 100+ lumen LUXEON® Rebel™ LEDs for cool white, 100+ lumen for neutral white & 50+ lumen for warm white
- ▲ Onboard 350mA constant current driver runs off low voltage input
- ▲ ETL listed to UL2108 standards
- ▲ Choice of colour temperatures & optical patterns
- ▲ >70% lumen maintenance @ 50,000 hours at max acceptable ambient temperature
- ▲ Primary heatsinking included
- ▲ Color binned for consistent color

OPERATING CONDITIONS

- ▲ Operating Ambient temperature -30°C to +55°C
- ▲ Onboard driver model operates off 12-24VDC / 11-17VAC input
- ▲ Max modules per run = 10 @ 12VAC, 16 @ 24VDC input
- ▲ Typical power consumption 8.0W per module
- ▲ Additional heatsinking required for optimal performance
- ▲ Current draw 580mA @ 12VDC input*
290mA @ 24VDC input*

ORDERING INFORMATION



APPLICATION

- ▲ Linear lighting
- ▲ Accent lighting
- ▲ Flood lighting
- ▲ Street & area lighting
- ▲ General illumination

**Note:- 750mA per unit required for initial start-up*

MATERIALS / FINISH

- ▲ Six premium LUXEON Rebel LEDs per module
- ▲ Anodized cast aluminum heatsink
- ▲ Dialight-Lumidrive optics (OPC 11 Series)
- ▲ Onboard 350mA constant current driver
- ▲ **Required Entry Cable**, Power Supply to 1st module (sold separately): LML6-LV-CON-CAB

Typical Colour (AA) Temperature

CW = 5000K - 6350K
NW = 3800K - 4100K
WW = 2850K - 3250K

Optic (BB)

SP = 5 degree spot
MD = 8 degree med.
WD = 20 degree wide
OV = 5X25 degree oval
FR = 7 degree frosted spot

**All angles are half divergence*

Connectors

LML6-LV-CON-CAB (sold separately)
Entry cable, power supply to 1st module
LML6-LV-M2M-CAB (ships w/ 1 in box)
Connection cable (module to module)

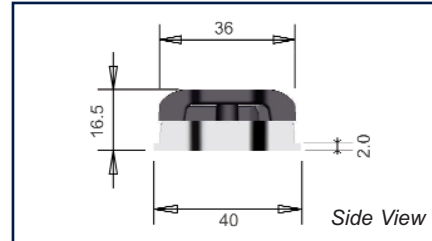
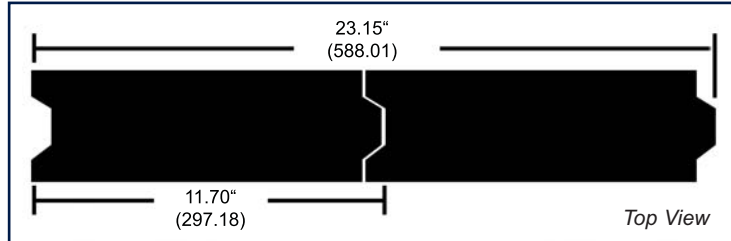
** Cables use AWG 20 wires*

MECHANICAL DIMENSIONS

11.7" x 1.498" x 0.585"
(297.18mm x 38.05mm x 14.86mm)

Mounting hole spacing = 3.22" [81.8mm].
Max screw size #8

Total length for "Z" units connected end to end =
 $(Z \times 11.7) - ((Z-1) \times 0.25)$ (inches)
 $(Z \times 297.2) - ((Z-1) \times 6.35)$ (mm)



Example: 2 units total length = 23.15" [588.01]

ASSEMBLY INFORMATION



1) Remove cover from module (**Do not remove mask**)

2) Connect **LML6-LV-M2M-CAB** quick connect cables between modules as indicated in the photo. If desired, insert 8/32 or M6 mounting screws in holes provided.

3) Wire between cables may be routed through end as indicated in photo or around side of module.

4) Connect **LML6-LV-CON-CAB** into front of first module.

5) Replace cover.

6) Connect leads on **LML6-LV-CON-CAB** to low voltage power supply. Red wire to +, black wire to -

PHOTOMETRIC DATA

IES 32 files available, consult factory

Dialight reserves the right to make changes at any time in order to supply the best product possible.

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