

# Dialight

## PWM SERIES LV LINEAR MODULES



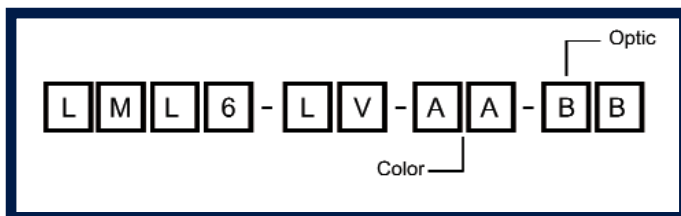
### FEATURES / BENEFITS

- ▲ 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-Lumidrives 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)

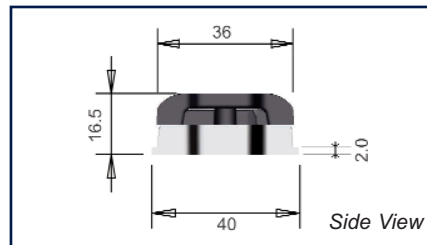
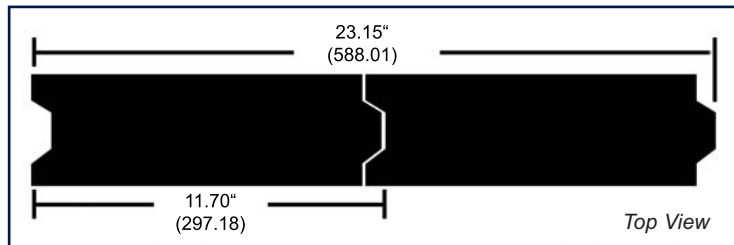
*\* Cables use AWG 20 wires*

## 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

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The most current version of this document will always be available at:

[www.dialight.com/Assets/Brochures\\_And\\_Catalogs/Illumination/MDEXLUMPWMLV.pdf](http://www.dialight.com/Assets/Brochures_And_Catalogs/Illumination/MDEXLUMPWMLV.pdf)

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