



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



# Dialight

## PWM SERIES LV LINEAR MODULES



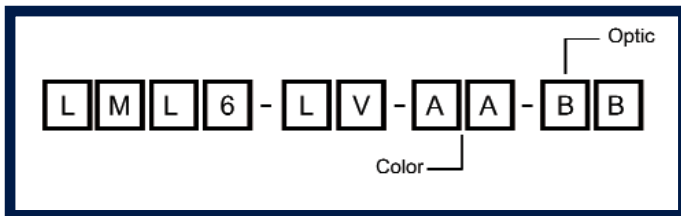
### FEATURES / BENEFITS

- ▲ 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)

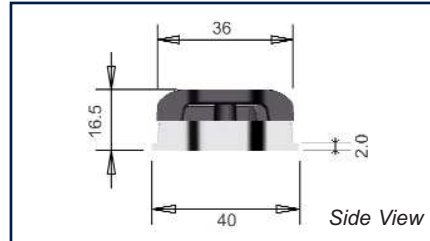
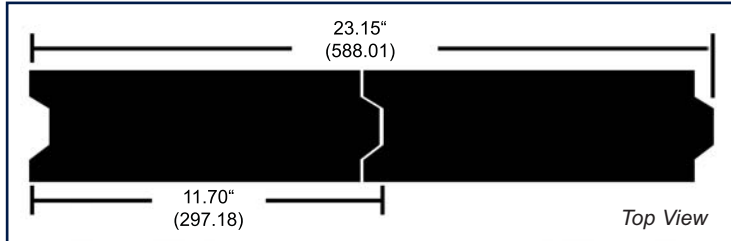
*\* Cables use AWG 20 wires*

## 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

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

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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