

VDL-MH-12

Vivalyte's High Efficiency Light Modules provide powerful, energy-saving illumination with exceptional brightness and reliability, ideal for large-scale and long-term installations.



High efficiency
modules



Outdoor

IP65

Beam angle

170°

Volt (DC)

12

LIGHT COLOR SPECIFICATION

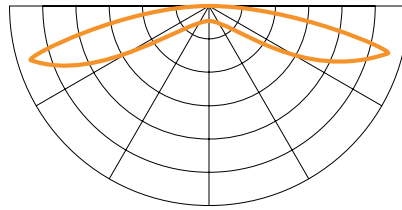
Product type	Control type	Color type	CCT (K)	Lumen (lm/pcs)	Efficacy (lm/W)	Power (W/pcs)	CRI
VDL-MH-12-0301-30K	PWM	single color	3000	58	160	0,36	70+
VDL-MH-12-0301-45K			4500				
VDL-MH-12-0301-65K			6500				
VDL-MH-12-0602-30K	PWM	single color	3000	115	160	0,72	70+
VDL-MH-12-0602-45K			4500				
VDL-MH-12-0602-65K			6500				
VDL-MH-12-0903-30K	PWM	single color	3000	173	160	1,08	70+
VDL-MH-12-0903-45K			4500				
VDL-MH-12-0903-65K			6500				
VDL-MH-12-0504-30K	PWM	single color	3000	223	160	1,44	70+
VDL-MH-12-0504-45K			4500				
VDL-MH-12-0504-65K			6500				

Other color options available on request

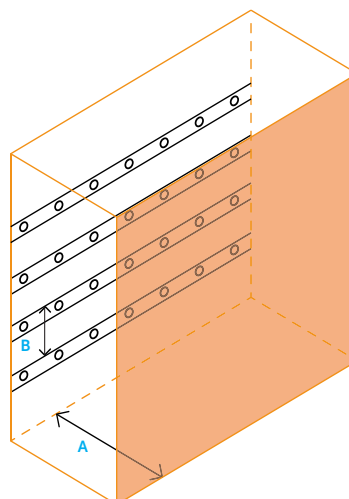


PRODUCT SPECIFICATION

Product type	Length (mm)	LEDs /pcs	Cuttability	Max. in serial connection	Module distance (mm)	LED type
VDL-MH-12-0301	34	1	Not cuttable	50	158	2835
VDL-MH-12-0602	60	2	Not cuttable	30	204	2835
VDL-MH-12-0903	86	3	Not cuttable	25	230	2835
VDL-MH-12-0504	49	4	Not cuttable	20	233	2835

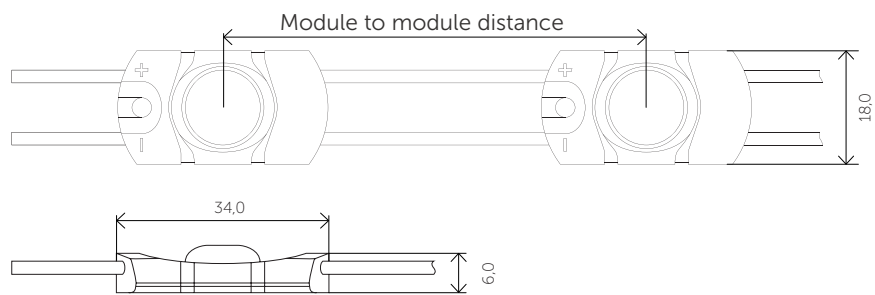


Product type	Depth (mm)	Illumination (lux)	Uniformity	Density (pcs/m²)	Spacing (mm)	Power (W/m²)
VDL-MH-12-0301	50	5190-5610	0,94	12*12	80*80	52
	60	3280-3880	0,85	10*10	100*100	36
	80	2050-2360	0,87	7*8	140*120	21
	100	1591-1772	0,90	6*7	160*140	16
	120	1440-1532	0,94	6*7	160*140	16
VDL-MH-12-0602	60	6810-7560	0,90	10*10	100*100	72
	80	3890-4470	0,87	7*8	140*120	41
	100	2450-3020	0,81	5*6	180*120	22
	120	1930-2210	0,87	5*5	200*180	18
	150	1734-1927	0,90	5*5	200*180	18
	180	1476-1641	0,90	5*5	200*180	18
VDL-MH-12-0903	60	9820-11750	0,84	10*12	100*80	130
	80	5250-5710	0,92	7*7	140*140	53
	100	3100-3580	0,87	5*5	180*180	27
	120	1783-2140	0,83	4*4	250*250	18
	150	1642-1857	0,88	4*4	250*250	18
	180	1513-1648	0,92	4*4	250*250	18

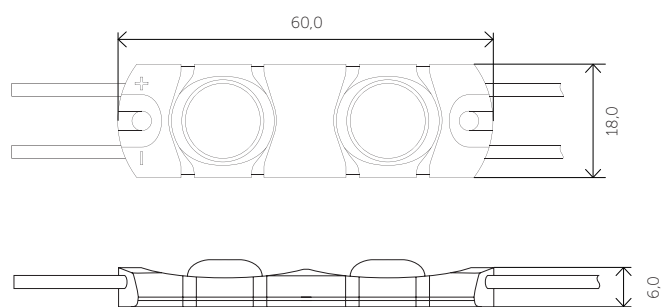


- Note *:
1. Distance "B" is measured center to center
 2. All test was using a pure white reflective backplane and white light-box fabrics as example.
 3. Performance can vary when products are used in different environment.
The reflectivity of back panel and transmissive characteristics of the front diffuser play vital role in the result.

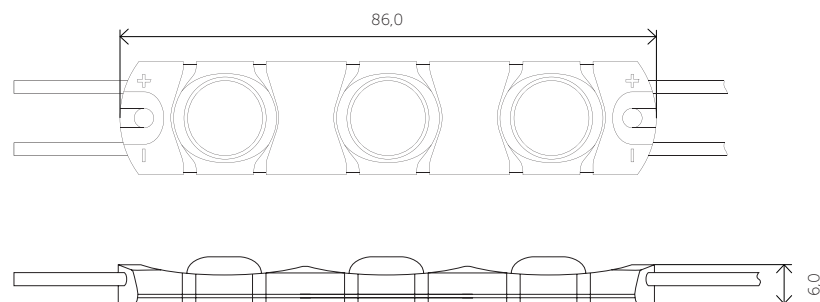
VDL-MH-12-0301



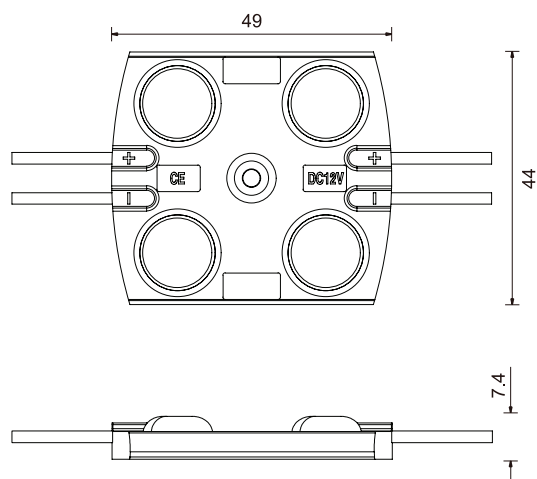
VDL-MH-12-0602



VDL-MH-12-0903



VDL-MH-12-0504



SAFETY & OPERATION INSTRUCTIONS

- Before installation, check that the product parameters are consistent with the requirements (Seeing product specifications or product labels)
- Load voltage, current, power and power supply should be matched with the product.
- Follow the instructions of wiring diagram (first connect the load and then the power supply) to avoid short circuit.
- Make sure the correct connection of positive and negative poles between products and power supply. Otherwise, the light will not be on.
- Make sure the power cord firmly screwed into the terminal and it should not be pulled out by hands.
- The terminal should have insulation, waterproof and anti-corrosive treatment.
- Storage temperature: -20~+70°C
- Working temperature: -20~+60°C
- LED lighting products belongs to electronic products, please do recycling treatment according to the relevant WEEE directives.

WARNING

- Do not disassemble or retrofit the light. Do not touch the surface of the light with a sharp object.
- Do not do live-line working during installation, especially for high voltage product.
- Do not use any organic chemical solvents.
- Use neutral glass adhesive to fix this product and it needs to be dried 4 hours in the open environment after operation.
- Treat the ends and the circuit connection points that are not connected to the main line with insulation, waterproof and anti-corrosion in the installation.
- Use 18AwG (0.75mm² cross-sectional area) or thicker core wire to avoid adverse consequences caused by overheating, if the power cable need to lengthen.
- Make sure the input voltage meets the requirements and lines are connected correctly before lighting on.
- This product is for signage, and do not use as general lighting.
- Series connection within the max run.
- The length of the power cable between the power supply and the led strip should not exceed 2 meters. Otherwise, large circuit loss will lead to inconsistent brightness.
- Installation, maintenance and repair should be operated by a qualified technician.

STATEMENT

The parameters given in this manual are typical values and for reference only.

All illustrations and drawings in this manual are for reference.

This product is subject to change without notice.



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