

Waterproof LED Module

PWM4743-4YL2835x-12v/IP67



ELECTRICAL SPECIFICATIONS	
Input Voltage	12vdc
Current Consumption	150mA/module
Power Consumption	1.8W/module

LIGHTING PERFORMANCE	
Efficiency	>35lm/W
Lifetime	>20,000 hours
Viewing Angle	175°

Designed for channel letter illumination in signage applications, the PWM4743-4YL2835x module is suitable for 5-15cm depth letter illumination & provides bright and even illumination. Supplied in pre-wired chains of 20 pcs with 140mm link wires. Fixing is facilitated by 3M adhesive tape.

ENVIRONMENTAL	
Parameter	Rating
Operating Temp	-20°C to +60°C
Storage Temp	-25°C to +70°C

- Compact module 47x43x7.8mm
- High performance 2835 LED emitter
- Low voltage operation 12vdc
- Low power consumption
- Waterproof housing rated IP67
- Wide 175° angle of emission

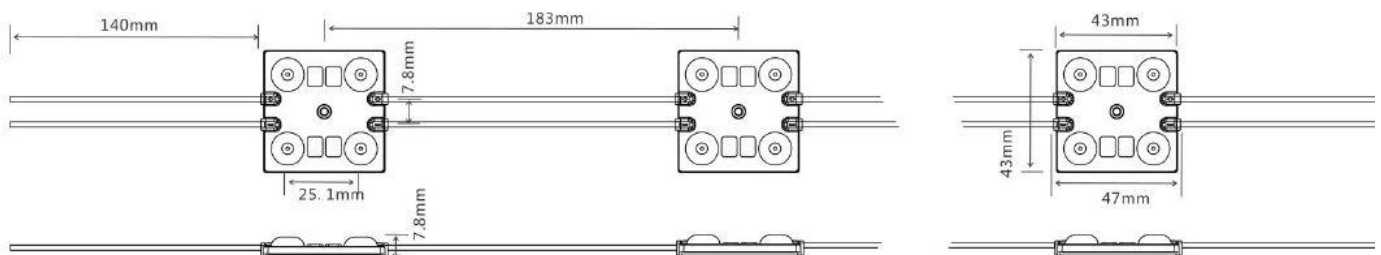
MECHANICAL DETAIL	
Dimensions	47x43x7.8mm
Weight	15g/module
Environmental	IP67
Approvals	CE and UL

Specifications

PART NUMBER	COLOUR	CCT	VOLTAGE	CURRENT (module)	POWER (module)	LUMINOUS FLUX (module)
PWM4743-4YL2835PW-12v/IP65	Pure White	6000~6500K	12vDC	150mA X20 =3.0A	1.8W x 20 = 36W	243 lm
PWM4743-4YL2835NAW-12v/IP65	Natural White	4000~4500K				243 lm
PWM4743-4YL2835WW-12v/IP65	Warm White	3000~3300K				243 lm

Other colours are available on request

Module Dimensions





T +44 (0) 1942 671122 E sales@plusopto.co.uk W www.plusopto.co.uk
B13 Derwent Court William Way Moss Industrial Estate Leigh Lancashire WN7 3PT

Module Layout Density Guidelines:

Light box thickness (mm)	LED Spacing (mm)	Installation density (PCS/m ²)	Surface illumination (lux)	Watts per square (W/m ²)
40MM	Dx=90mm, Dy=90mm	121	8000-12000	210
50MM	Dx=100mm, Dy=100mm	100	5000-6000	180
60MM	Dx=120mm, Dy=120mm	64	3500-5000	115
80MM	Dx=140mm, Dy=140mm	49	2500-3500	88
100MM	Dx=160mm, Dy=160mm	36	2200-3000	64
120MM	Dx=180mm, Dy=180mm	30	1800-2300	54

Notes:

Use in conjunction with constant voltage 12v max LED drivers
These modules are designed for low voltage operation and must not be connected directly to ac mains supply
Luminous flux values quoted are typical. Please contact our office for the latest intensity yields
Specifications may be subject to change without notice