Side lighting Injection Module M21CX24D



Application data

Module number per Chain	20 pcs
Max. module number per Chain	20 pcs
Distance of modules (wire)	135 mm
Ambient temperature ta	-25 ~ +50 °C
Max. temperature on module tc	65 °C
Storage temperature ts	-40 ~ +85 °C
Risk group (EN 62471:2008)	1
Certification list	CE/ENEC/RoHS

Areas of application

- > Signage and illuminated advertising.
- ➤ Best for 120~200mm depth double side light boxes.
- Permanent outdoor use in enclosed light boxes.

Product features

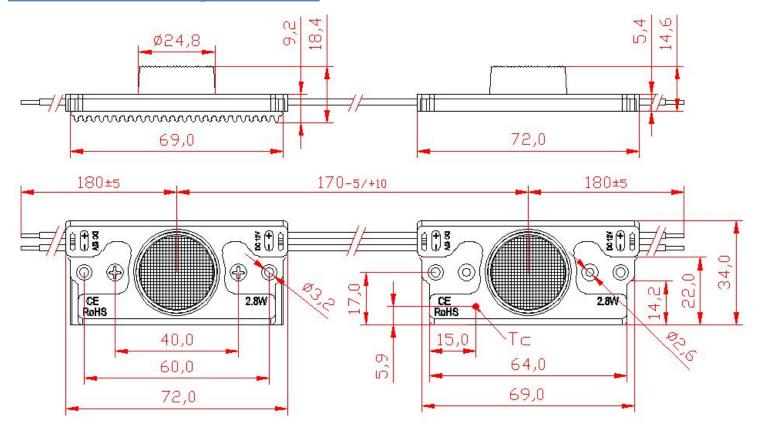
- Chain of 20 LED modules with single LED each.
- High efficiency LED.
- High color consistency (MacAdam 4).
- Beam characteristic: 12 x 56°.
- Protection class of LED module: IP66.
- > Flexible chain, can be split between any module.
- Mounting with screw or premounted double-sided adhesive tape possible.
- Fully integrated heat sink.
- Nominal life-time up to 50,000 h (at tc 50°C).
- Module size: 72 x 34 x 18.4 mm.

Technical data

Product	Nominal	Color temperature	CRI ₁₂	Typ. Flux	Typ. Power	Luminous
Name	voltage₃	or Wavelength ₁₂		per module ₁₂	per module ₁₂	efficacy
M21CN24D	12.0 V	2700~3300 K	>70	220 lm	2.8 W	78.6 lm/W
M21CW24D	12.0 V	3800~4300 K	>70	240 lm	2.8 W	85.7 lm/W
M21CW24D	12.0 V	6000~7000 K	>70	240 lm	2.8 W	85.7 lm/W

- 1 Tolerance range for optical and electrical data: -15/+15 %.
- 2 All value @ ta=25°C.
- \bigcirc Tolerance range for the supply voltage: 12 V: \pm 5 %

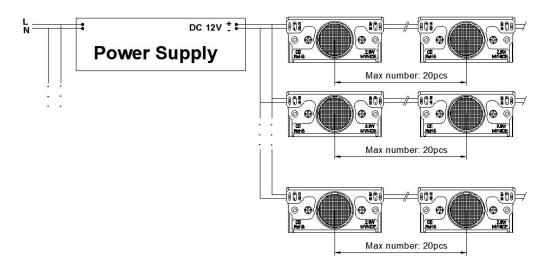
Product 2D drawing (unit: mm)



Wiring type

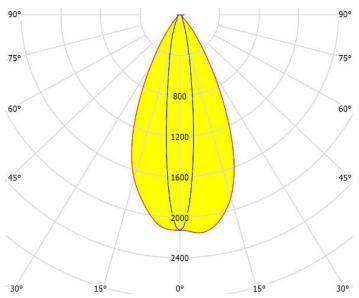
Cable	UL 1007 18AWG		
Color	red - white	white	
Function	+	-	

Wiring example:



Light distribution



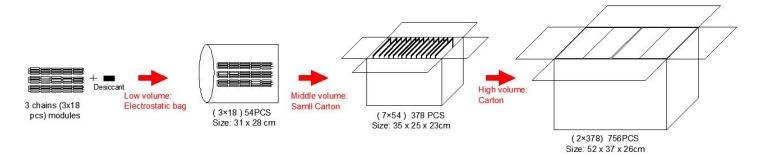


Packaging information

Product name	Weight per pc.02	Packaging, low volume		Packaging, high volume	
M21CX24D	36.0 g	54 pc(s).	1.95 kg	756 pc(s).	23.3 kg

- 1 Tolerance range for weight: ± 10 %.
- ② With Heatsink.

Packaging example:



Noted:

- > The power cable should meet the actual maximum current and power.
- All the end point of wire should be treated with waterproof;
- Pay attention to the maximum number of connections, prohibit overloading.
- All the power supply must has the corresponding certification.
- Our company reserves the right of final interpretation.
- Subject to change without notice.