arlight®

UL listed Injection Module

Areas of application

➢ Signage and illuminated advertising.

➢ Best for 120~250mm depth light boxes and channel letters.

➢ Permanent outdoor use in enclosed light boxes or channel letters.

Product features

➢ Chain of 20 pcs LED modules.

➢ High efficiency LED.

➢ High color consistency (MacAdam 4).

➢ Beam characteristic: 160°.

➢ Protection class of LED module: IP67.

➢ Flexible chain, can be split between any module.

➢ Mounting with screw or premounted double-sided adhesive tape possible.

➢ Nominal life-time up to 50,000 h (at tc 50°C).

➢ Module size:

72 x 18.5 x 10 mm.

Application data

Max connection number	20 pcs
Distance of modules (wire)	200 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/UL/ENEC/RoHS

Technical data

| Product Name	Nominal voltage[3]	Color temperature or Wavelength[1][2]	CRI[1][2]	Typ. Flux per module[1][2]	Typ. Power per module[1][2]	Luminous efficacy
ARL-BEST2835-3-1.5W-12V	12.0 V	2700~3300 K	>70	135 lm	1.5 W	90 lm/W
ARL-BEST2835-3-1.5W-12V	12.0 V	6500~7000 K	>70	135 lm	1.5 W	90 lm/W
ARL-BEST2835-3-1.5W-12V	12.0 V	8000~17000 K	>70	135 lm	1.5 W	90 lm/W

① Tolerance range for optical and electrical data: -15/+15 %.

② All value @ ta=25°C.

③ Tolerance range for the supply voltage: 12 V: ±5 %.

26,0   26,0

72,0

3,8   9,7

6,0   18,5

Φ3,5

Φ16,0

200
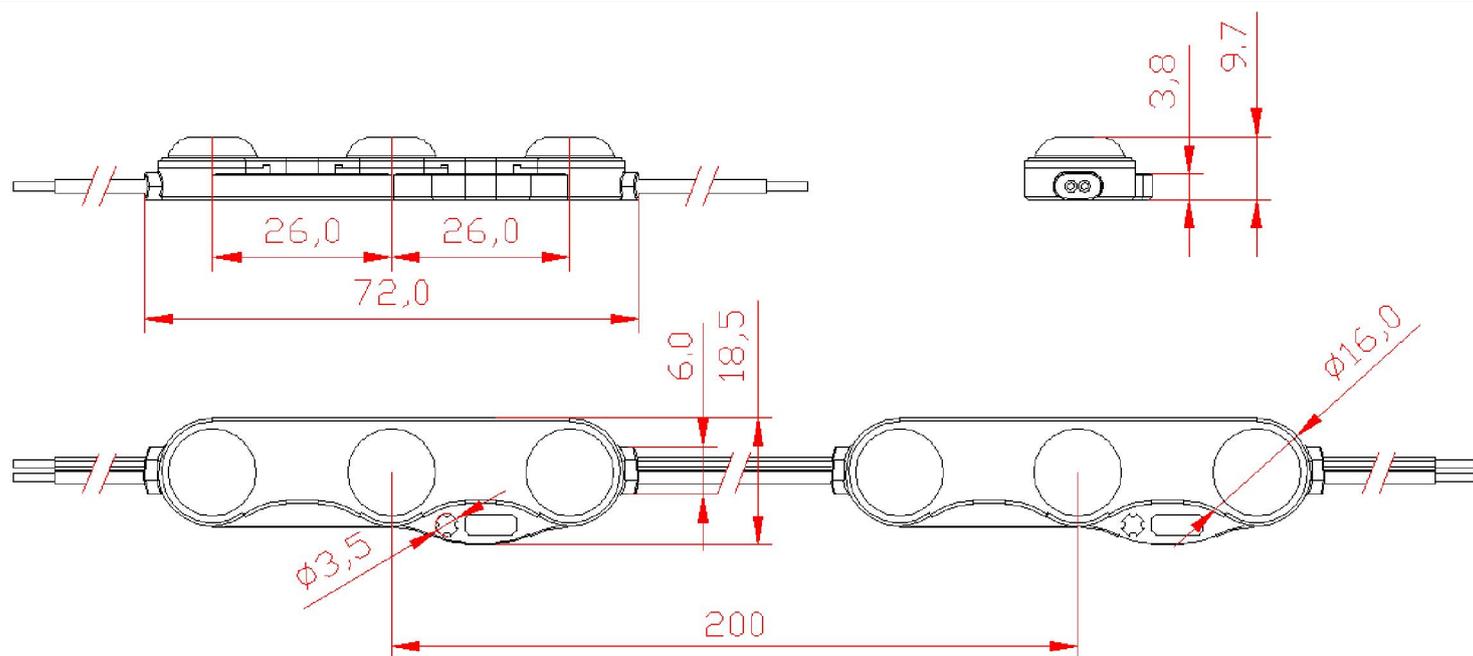
Wiring type

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

Light distribution

Beam characteristics 160°

cd/klm   η = 100%

—— C0 - C180   —— C90 - C270
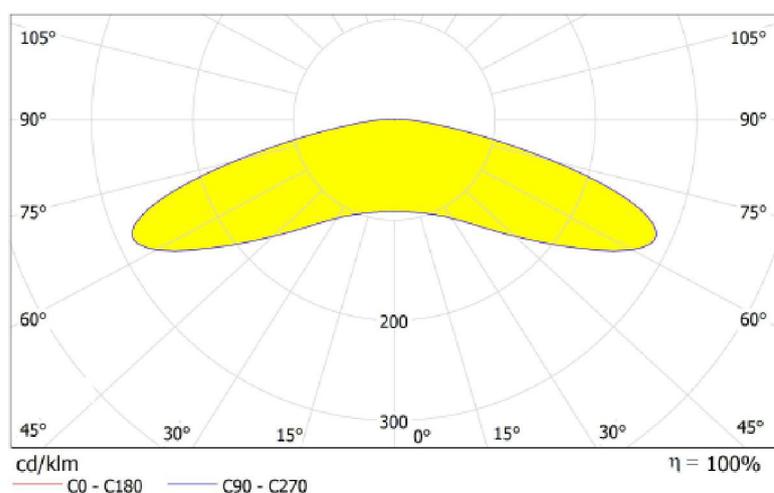
Noted:

➢ 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.