

Merida module

Features:

- Easy assembly thanks to self-adhesive tape.
- Constant current technology.
- 20-unit chain.
- Injection molding process.
- High efficiency, high brightness and reliable chip.
- Degree of protection: IP67.
- Energy saving, environmentally friendly.
- Fixed with adhesive tape.



Reference	Colour temp.	Luminous flux (Lm)	Light efficiency (Lm/W)	Energy efficiency
43.024	7000K	93	5	
43.025	4000K	93	5	
43.026	3000K	88	5	

Technical characteristics

Technical data

Power (module)	1W
Power of the full chain	19.4W
Voltage	12V
Degree of protection	IP67

Led information

Type of led	SMD2835 (Sanan)
Number of leds per module	1
Total number of leds per chain	20

Temperatures and operating conditions

Working temperature	-25°C / +55°C
Storage temperature	-40°C / +65°C

Photometric data

Steps MacAdam	≤3 sdcn
Beam angle	170°

Features

Dimmable	Yes ^{*2}
Self-adhesive	3M Tape
Apt for	Indoor / Outdoor

^{*2} Adjustable with appropriate controllers.

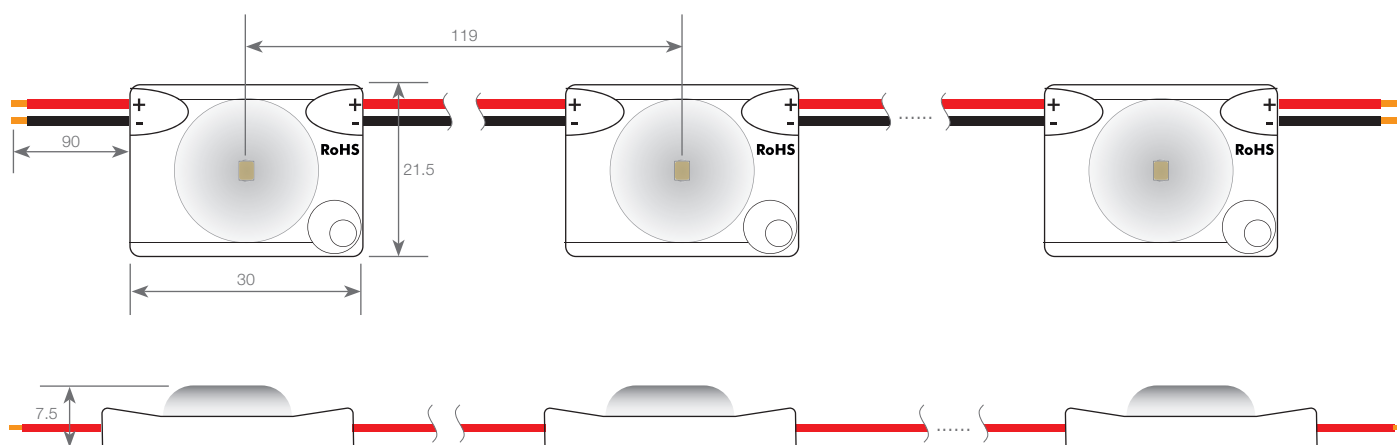
Lifespan

Estimated lifespan	33.000h (L70B30) - (80°C)
Daily recommended use	15h



Merida module

Scale 1:1
Dimensions in (mm)



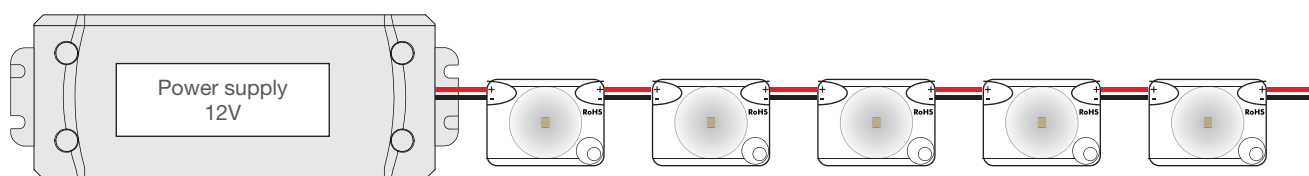
Dimensions

Length	21.5mm	Distance between leds	119mm
Width	30mm	Cable length	90mm
Height	7mm	Cable section	2x1,5mm ²

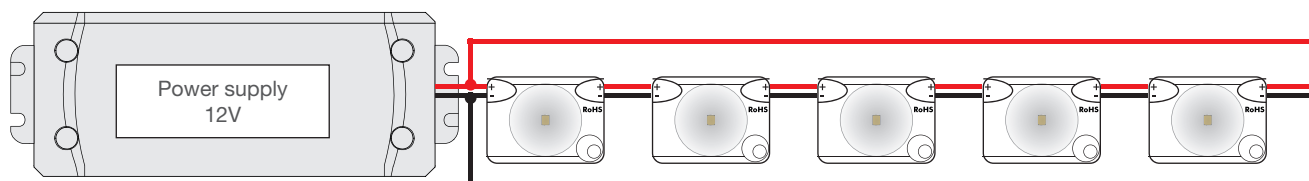
Connection

Maximum connection in open circuit	20 units	Maximum connection in closed circuit	40 units
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Maximum number of modules which can be connected in an open circuit - 20 units

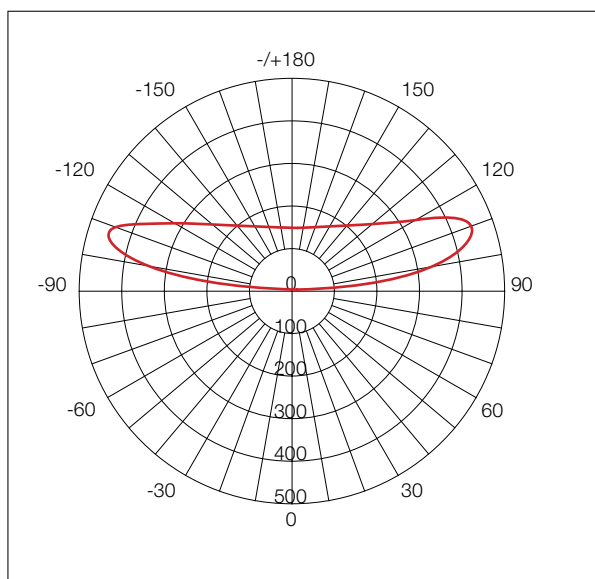


Maximum number of modules which can be connected in a closed circuit - 40 units



Merida module

Photometric curves



Important

- For outdoor applications or wet areas:
 - Use waterproof power strips.
 - Use waterproof sources and drivers.
 - Do not forget to insulate the two end cables of the chain with waterproof strips.
- The double-sided adhesive tape supplied with the modules helps to position the product, but we also recommend adding silicone or screws for extra safety.
- For applications in light boxes and lettering, use backlighting via modules with symmetrical lenses.
- For 2-sided lightbox banner applications, use perimeter lighting via modules with asymmetrical lenses.