

## Product Datasheet



### Backlighting Small Plus

- M33GX07D (CC)

### Areas of application

- Signage and illuminated advertising
- Back-lighting of channel letters and light box, best for 40mm to 250mm depth (1.6 to 10inch)

### Product benefits

- Uniform illumination at high LED pitches thanks to good optics technology
- Significantly better application efficiency compared to systems without lenses
- Good waterproof property IP68
- Long lifetime 5 years warranty

### Product features (6500K)

- 12VDC
- 72 lm/module
- Beam angle 150°
- CE marked and UL listed



## Electrical data

Product Description	Typical Voltage	Energy Consumption (W/module)	Energy Consumption (W/chain)	Energy Consumption (W/ft.)	Power Supper Loading	Additional Information (modules/chain)
M33GW07D	12VDC	0.72	36	1.2	80 modules/60 W 47 ft./60W	50

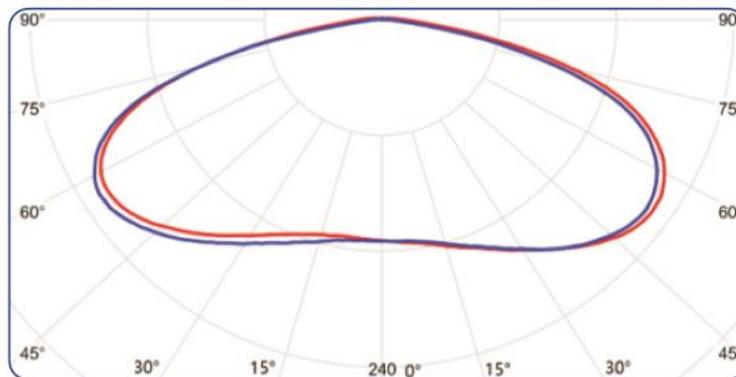
## Photometrical data

Product Description	Light color (designation)	Color (CCT, wavelength)	Color Rendering Index	Typical Brightness (lumen/module)	Typical Brightness (lumen/chain)	Typical Brightness (lumen/ft.)
M33GW07A	Cool White	6500K - 13000K	Ra > 70	72	3600	122

## Environmental and Application Conditions

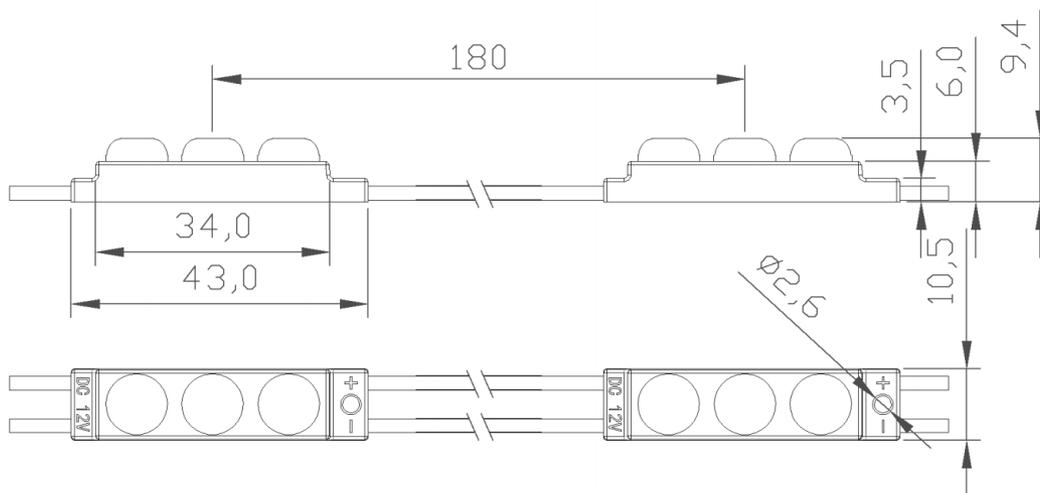
Operating Environment ( $t_a$ )	-25°C to +55°C
Storage Temperature Range ( $t_s$ )	-40°C to +85°C
Max. operating (case) temperature ( $t_c$ )	85°C
IP Rating	IP68
Lifetime (L70B50)	50,000 hours
Dimming mode	Dimmable
Cutting Resolution	Cut on wire between every module

## Light distribution

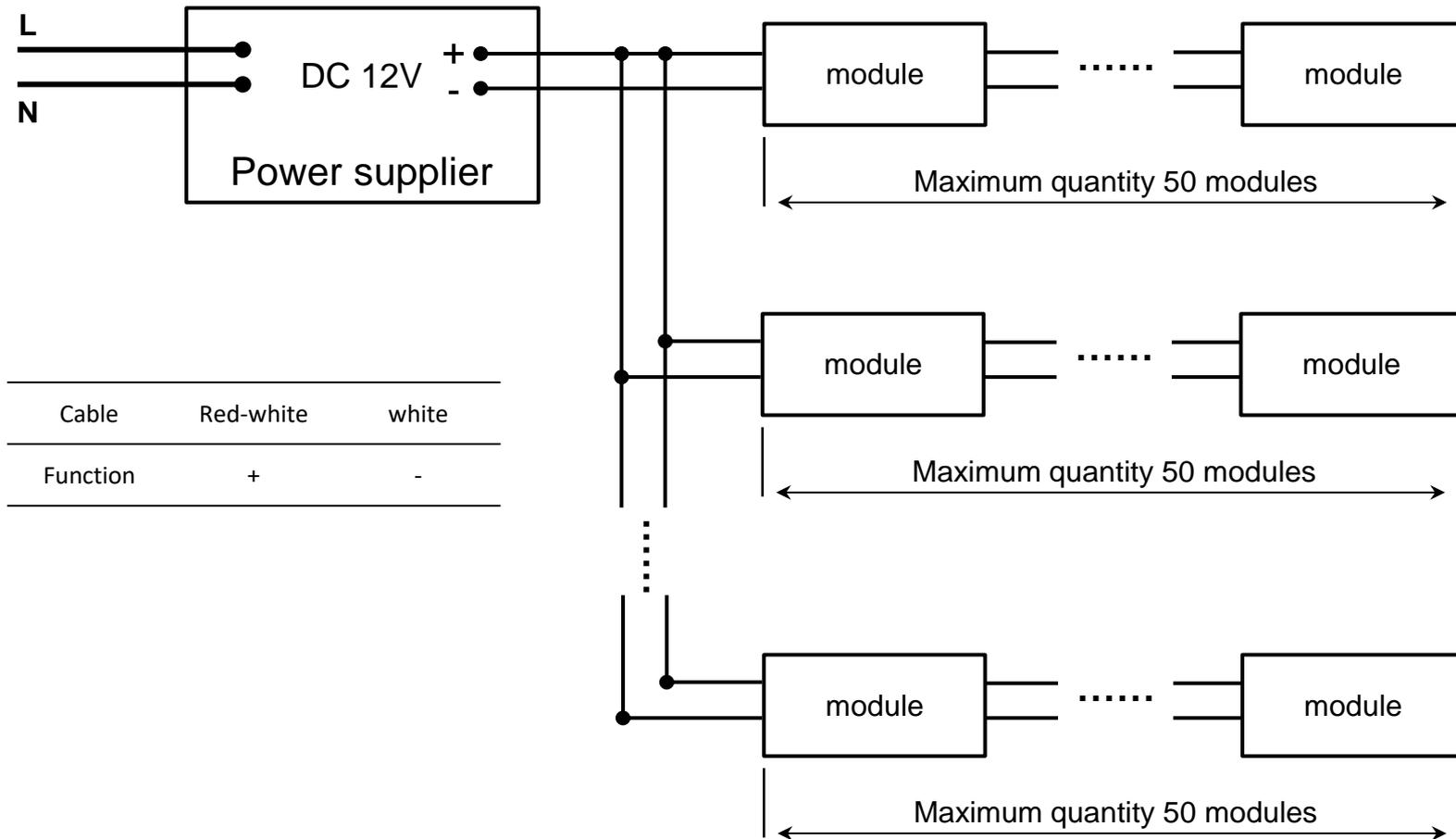


150°

## Product line drawing



## Wiring method



\* The secondary cable recommend AGW18, < 5 meter (16.4 ft.)

## Package

Product description	Package unit (modules/carton box)	Package unit (chains/carton box)	Carton box Dimensions (length x width x height)	Volume	Gross weight
M33GW07D					

## Additional product information

- Installation of LED modules (with power supplies) needs to be made under consideration of all valid regulations and norms.
- Installation by qualified electrician only.
- Parallel connection is mandatory for safe electrical operation. Serial connection of LED modules is discouraged. Unbalanced voltage drop in serial connection can cause hazardous overload
- Electrical contact is achieved with the contact cables or the terminals of the module. Please refer to the technical data for maximum number of LED modules that can be operated on one control gear.
- To avoid mechanical damage, the LED modules have to be attached securely to the intended mounting surface. It is recommended to avoid heavy vibration.
- LED modules are dimmable by means of PWM (pulse width modulation).