

Product datasheet



Spark Poweredge

M31260700-SE

Areas of application

- Signage and illuminated advertising.
- Edge-lighting of light box (both double side and single side).
- Best for 60mm to 200mm depth (2.5inch to 8inch).

Product main benefits

- Uniform brightness and color performance thanks to new excellent lens design.
- 5 Years warranty.
- 105 lm/W.



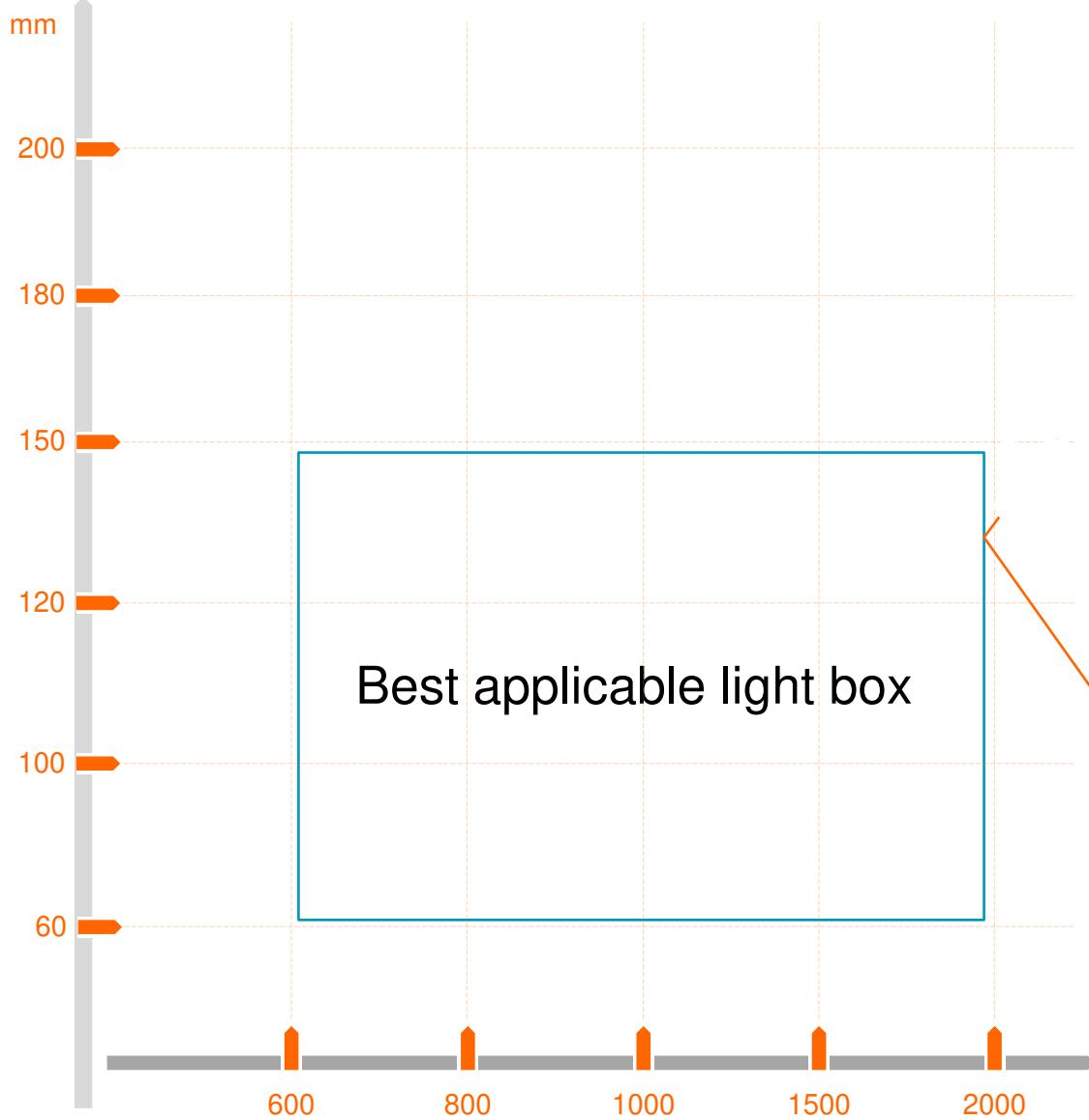
LM-79
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LM-80
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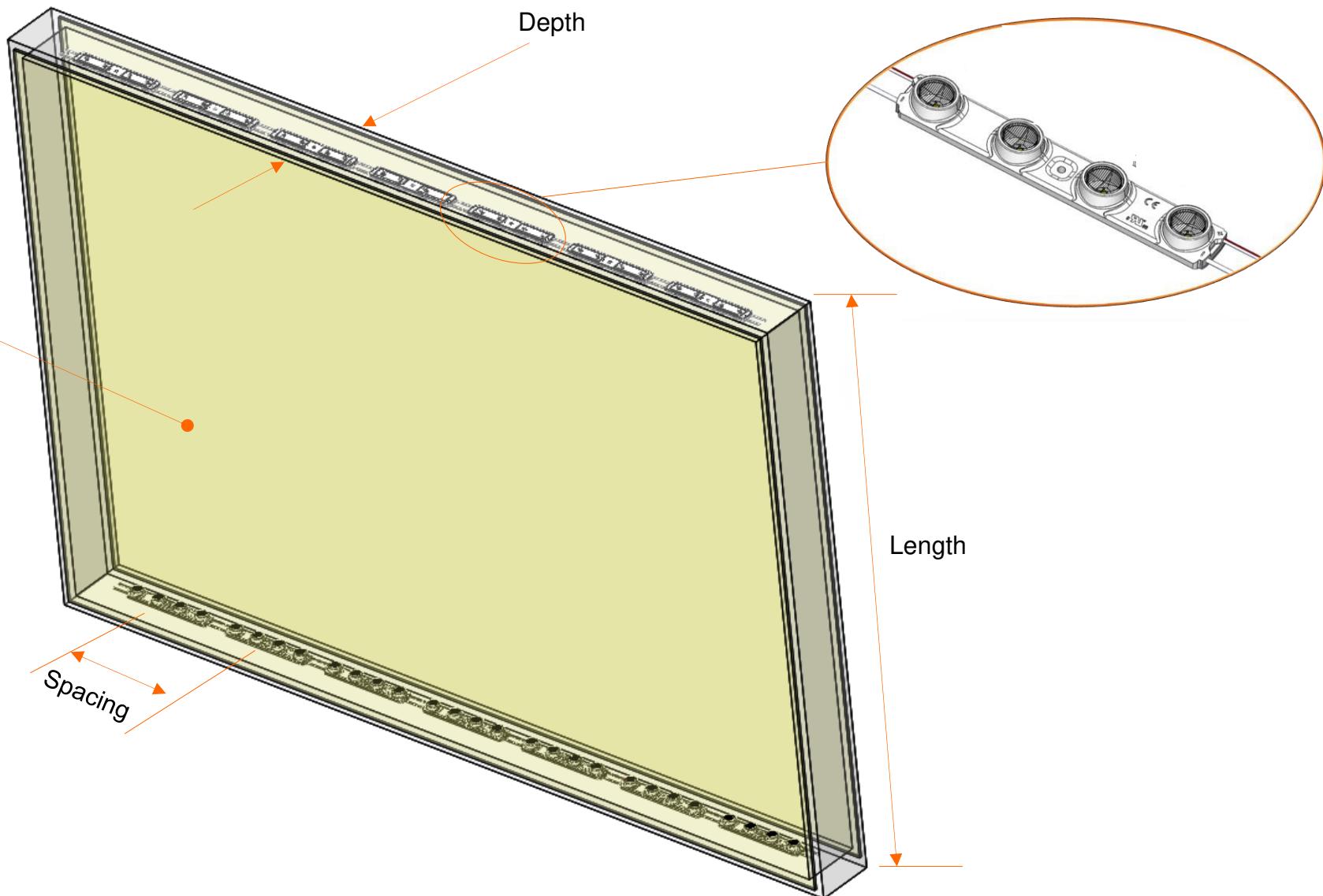


EPISTAR

Best applicable light box



Application recommendation



Application recommendation (DOUBLE side light box)



Product	Light box depth	Light box length	Module spacing	Surface illuminance
M31260700-SE	80mm	1000mm	200mm	1300lx
M31260700-SE	100mm	1000mm	220mm	900lx
M31260700-SE	120mm	1500mm	225mm	800lx
M31260700-SE	150mm	1500mm	225mm	700lx

Electrical data

PRODUCTS	Typical Voltage	Energy Consumption (W/module)	Energy Consumption (W/chain)	Energy Consumption (W/ft.)	Additional Information (modules/chain)
M31260700-SE	12VDC	6	120	8.1	20

Remark:

1. Ranking at $t_a = 25^\circ\text{C}$.
2. IC constant current design.
3. Tolerance of measurements for power is $\pm 10\%$.

Photometrical data

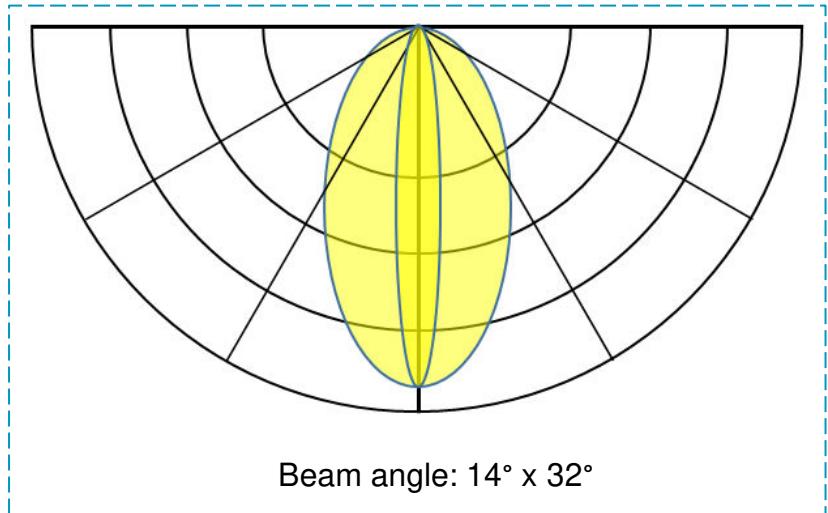
PRODUCTS	Light color (designation)	Color (CCT, wavelength)	Typical Brightness (lumen/module)	Typical Brightness (lumen/chain)	Typical Brightness (lumen/ft.)
M31260700-SE	White	5000K / 6500K	630	12600	853

Remark:

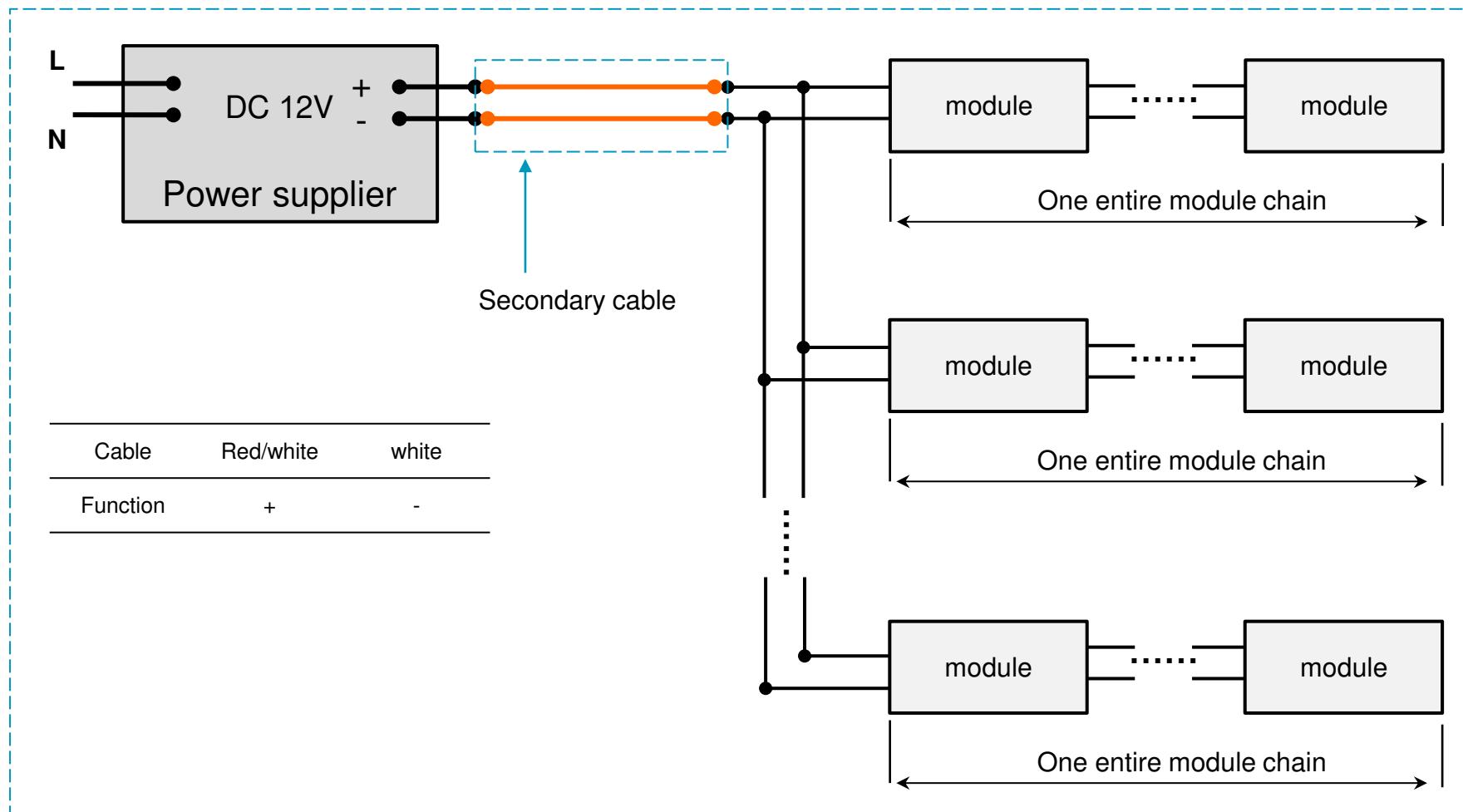
1. Ranking at $t_a = 25^\circ\text{C}$.
2. Tolerance of measurements for brightness is $\pm 10\%$, tolerance of measurements for the Chromaticity Coordinate is ± 0.01 ; the tolerance of CCT should be calculated accordingly.
3. $\text{Ra} > 70$.

Application Conditions and light distribution

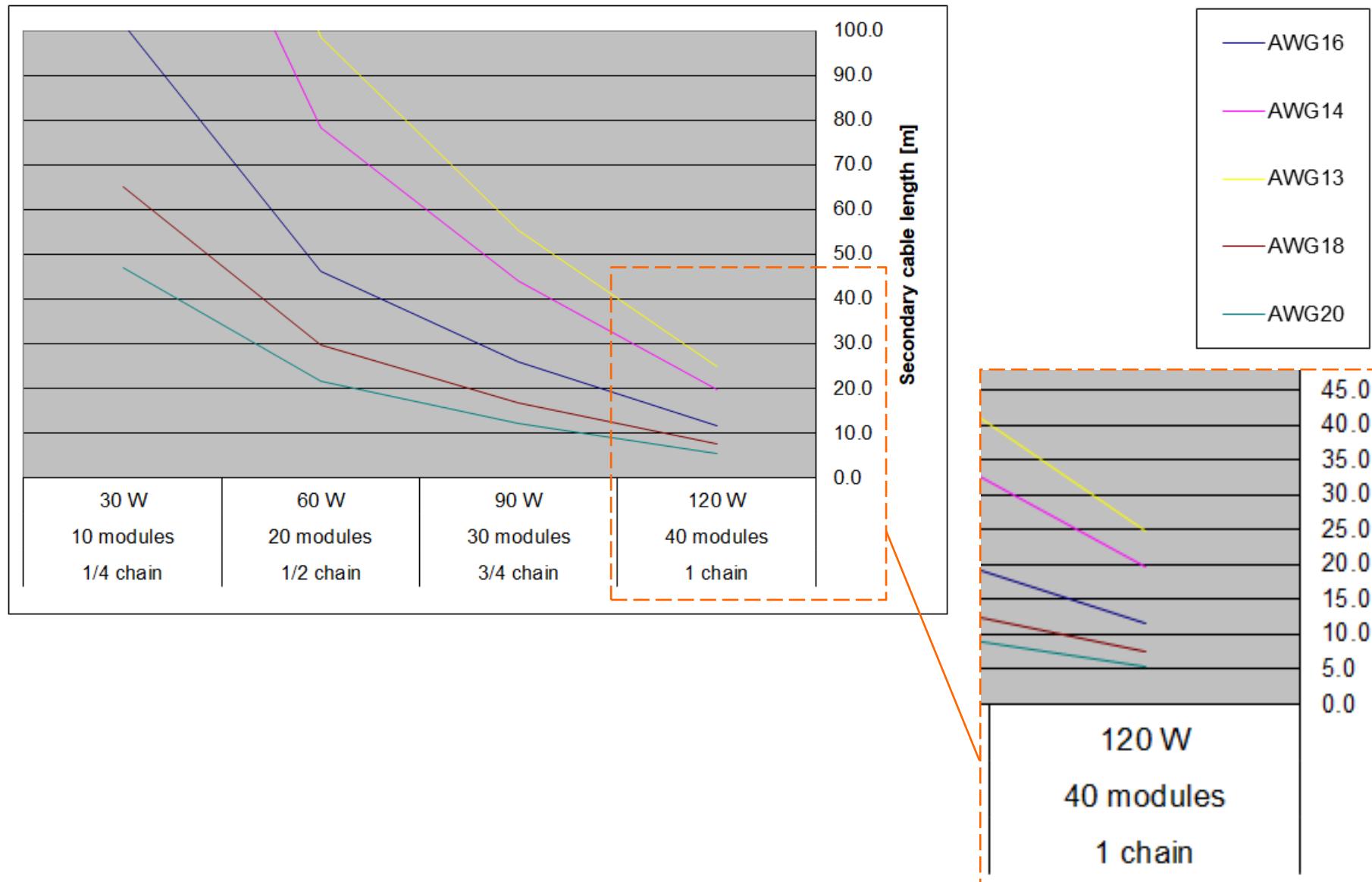
Operating Environment (t_a)	-25°C to +55°C
Storage Temperature Range (t_s)	-40°C to +85°C
IP Rating	IP66
Lifetime (L70B50)	50,000 hours
tc temperature	85°C
Dimming mode	Dimmable
Cutting Resolution	Cut on wire between every module



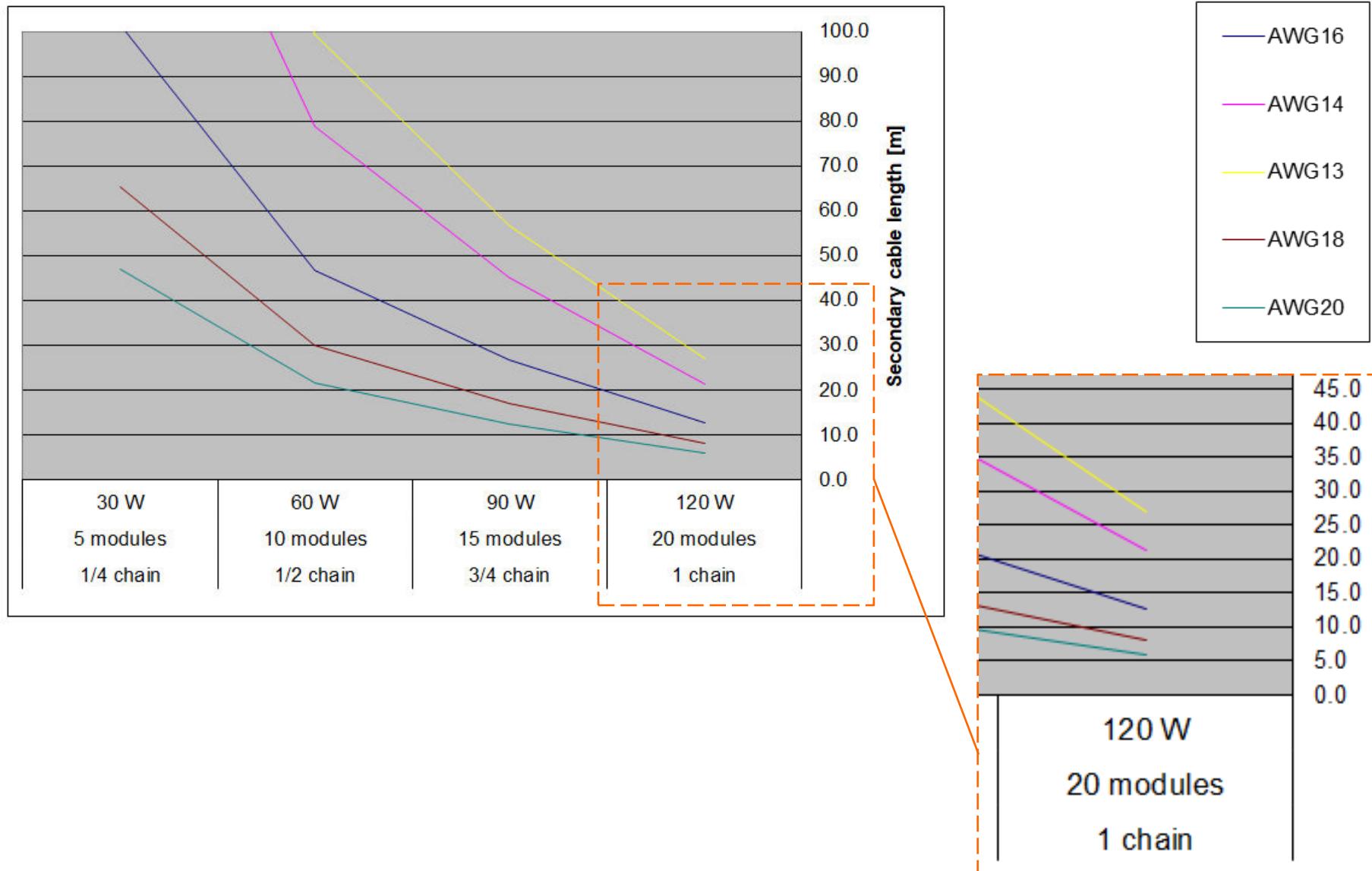
Wiring method

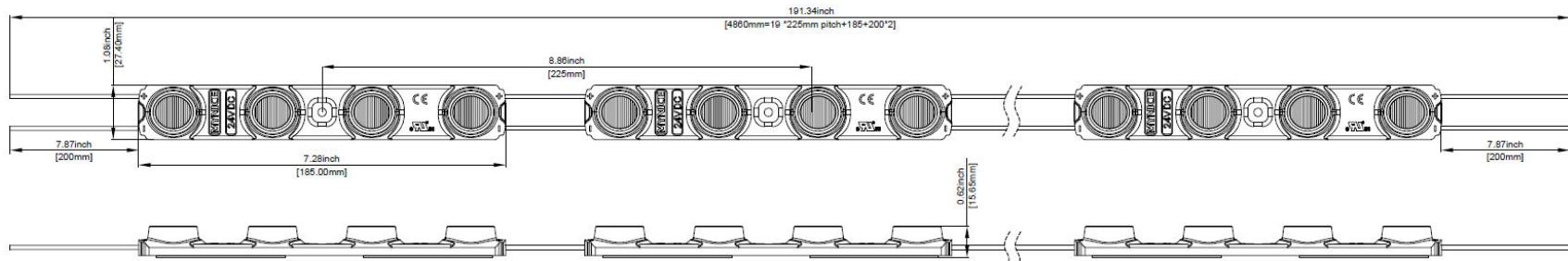


Wiring method (EL2 secondary cable length recommendation)



Wiring method (EL4 secondary cable length recommendation)





Package and additional information



PRODUCTS	Package unit (modules/carton box)	Carton box Dimensions (length x width x height)
M31260700-SE	100	L35*W25*H23 cm

Additional 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).