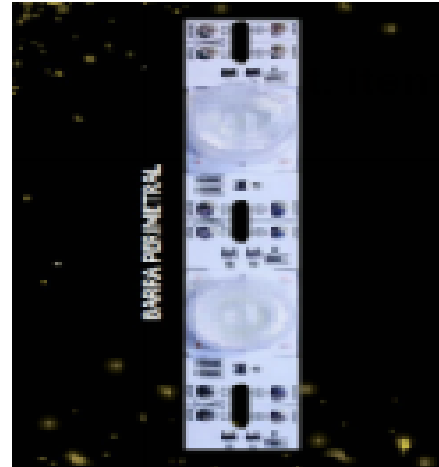


Product datasheet

NOVABR18BF

Areas of application

- Edge lighting for double side and single side light box.
- Best for 100mm to 300mm depth (4inch to 12inch).



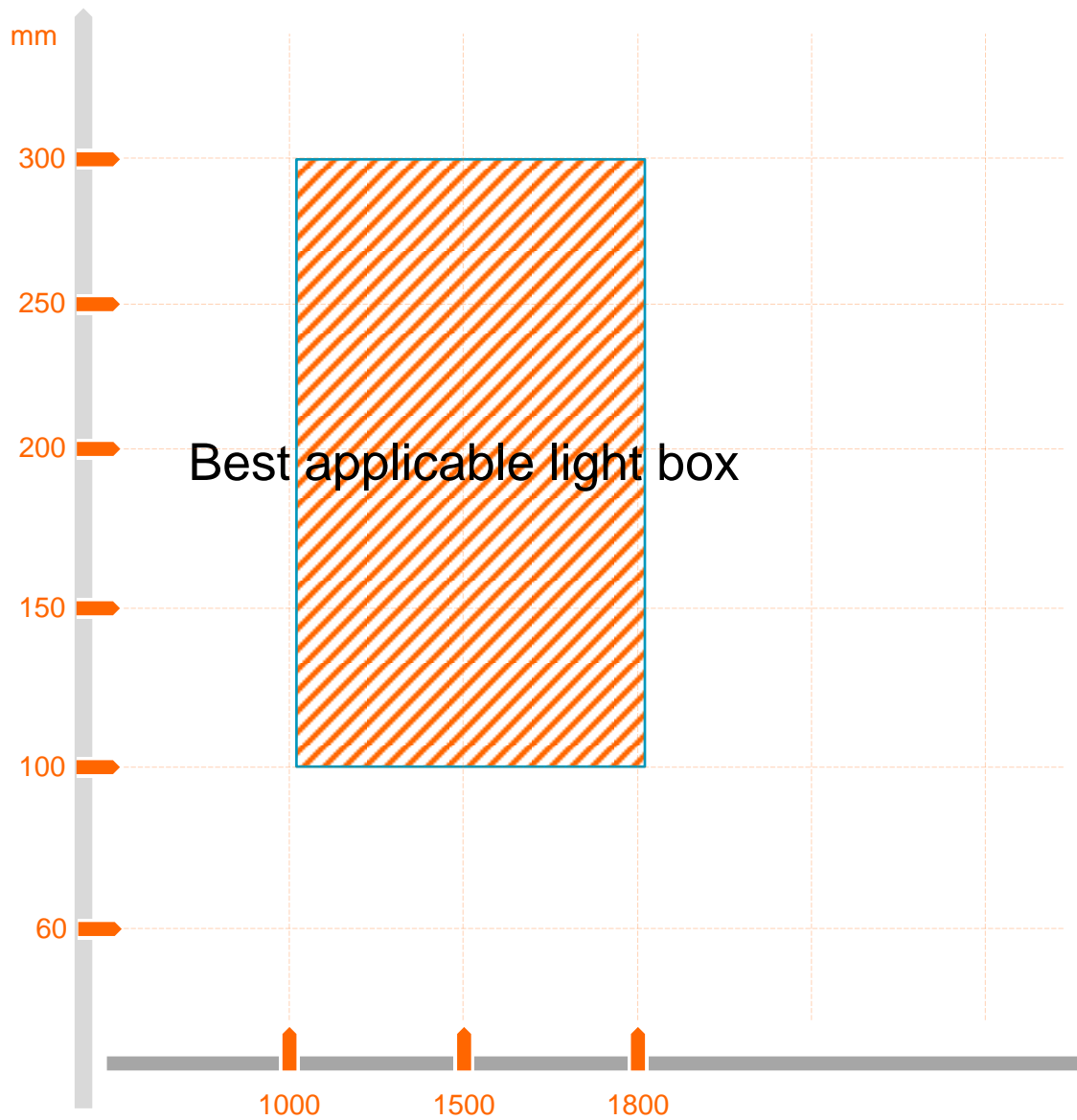
Product features

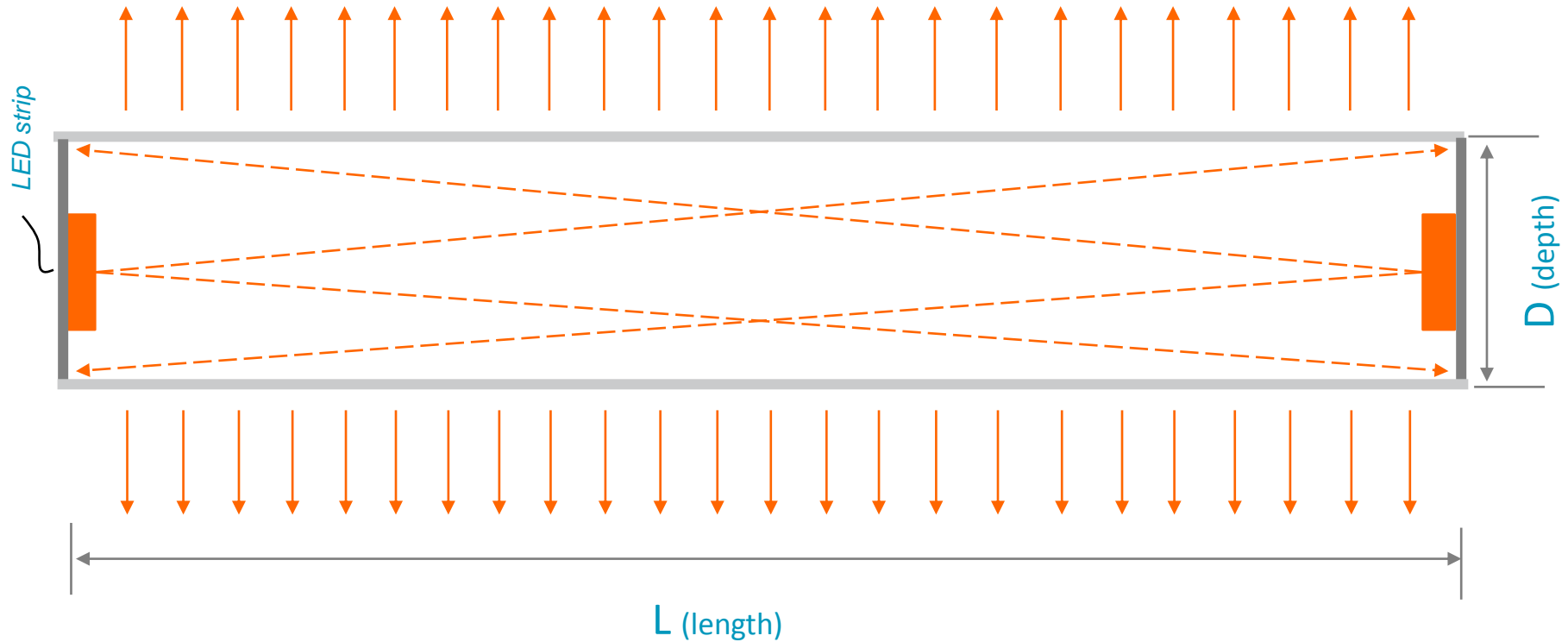
- 12V DC
- 2700 lm
- 27 W

Product main benefits

- Excellent lens design can achieve better uniformity performance (no hotspot, no color issue) in edge-lighting application.
- Easy installation in application.
- Waterproof IP20

Best applicable light box





$$\text{optical performance proportion} = \frac{D(\text{depth})}{L(\text{length})} \geq 1: (15)$$

- The proportion of “D” and “L” can show the performance of lens optics design.
- The bigger proportion, the wider light spot.

PART NUMBERS	Typical Voltage	Energy Consumption (W/strip)	Product length (meter)
NOVABR18BF	12VDC	27	990mm

Remark:

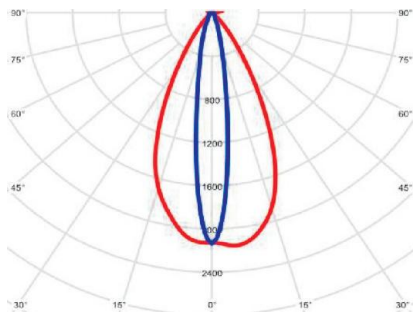
1. Ranking at $t_a = 25^\circ\text{C}$.
2. Constant voltage design.

PART NUMBERS	Light color (designation)	Color (CCT, wavelength)	Typical Brightness (lumen/strip)	Color Rendering Index
NOVABR18BF	White	7000K	2700	Ra>70

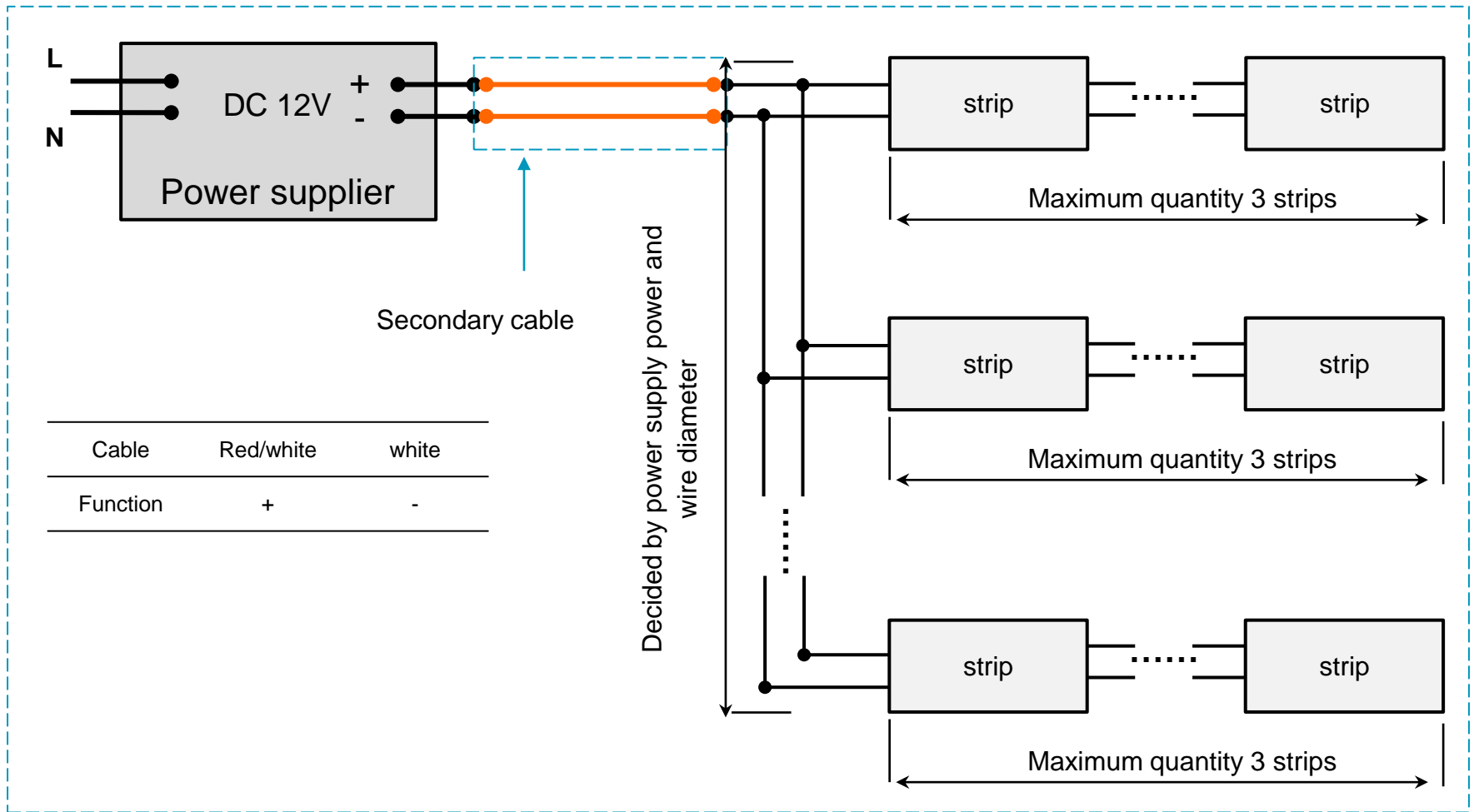
1. Ranking at $t_a = 25^\circ\text{C}$.
2. Tolerance of measurements for brightness is $\pm 10\%$, tolerance of measurements for the Chromaticity Coordinate is ± 0.01 ; the tolerance of CCT should be calculated accordingly.

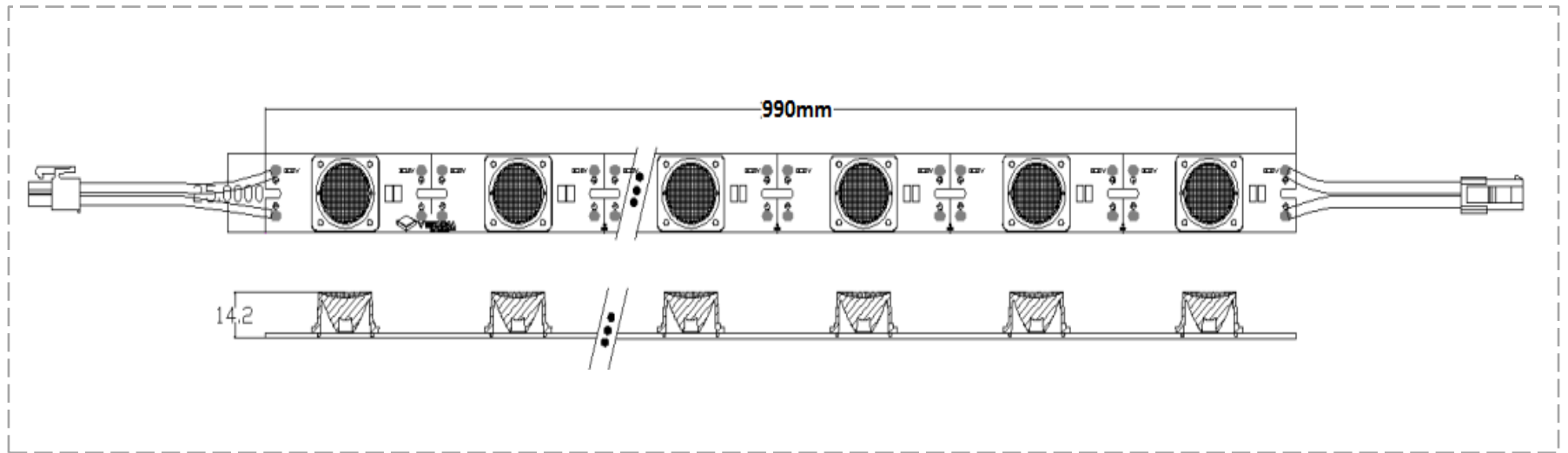
Application Conditions and light distribution

Operating Environment (t_a)	-25°C to +60°C
Storage Temperature Range (t_s)	-40°C to +85°C
IP Rating	IP20
Lifetime (L70B50)	50,000 hours
t_c temperature	80°C
Dimming mode	Dimmable



Beam angle: 15*45°





PRODUCTS	PART NUMBERS	Package unit (modules/carton box)	Carton box Dimensions (length x width x height)
NOVABR18BF	NOVABR18BF	/	/

- 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).