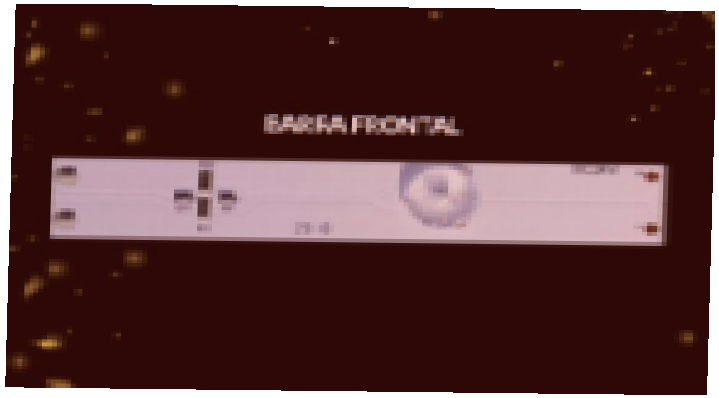
Product datasheet

VISCOM
LEDS & FRAMES



NOVABRBF

Areas of application

- Signage and illuminated advertising.
- Backlighting of light box.
- Best for 30mm to 300mm depth (1.2inch to 12inch).

Product main benefits

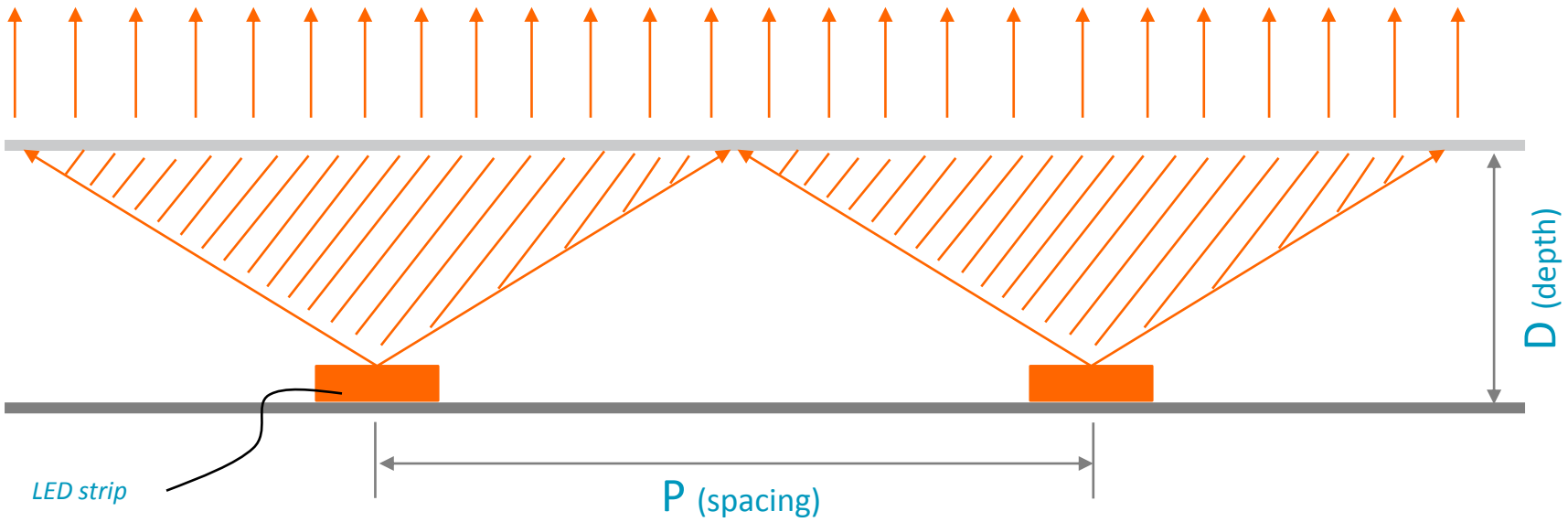
- Uniform illumination thanks to optimized lenses.
- Sourced by high output high light efficiency, good color conformity and no spot.
- Several options for quick and simple mounting: bolting or 3M double-sided adhesive.
- dimmable,

Product features

- Input Voltage:12VDC-
  9 5 0 lm/strip
- 12W
- Beam angle178°

RoHS COMPLIANT
LM-79 TESTED
LM-80 TESTED
LUMILEDS

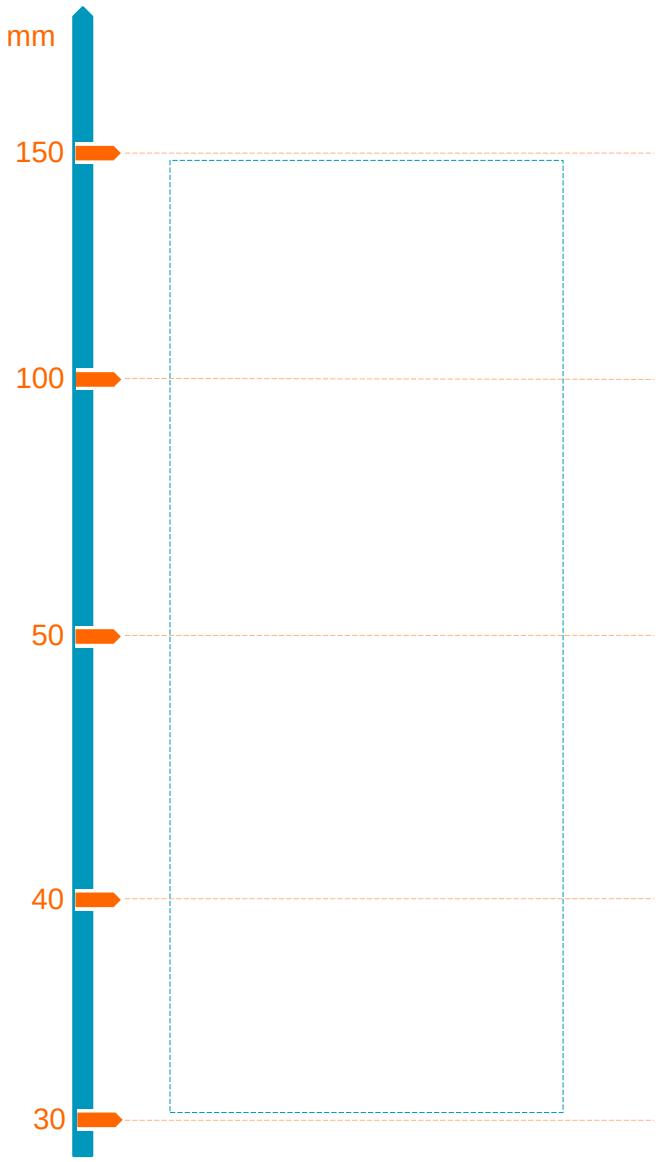
Optics Technology

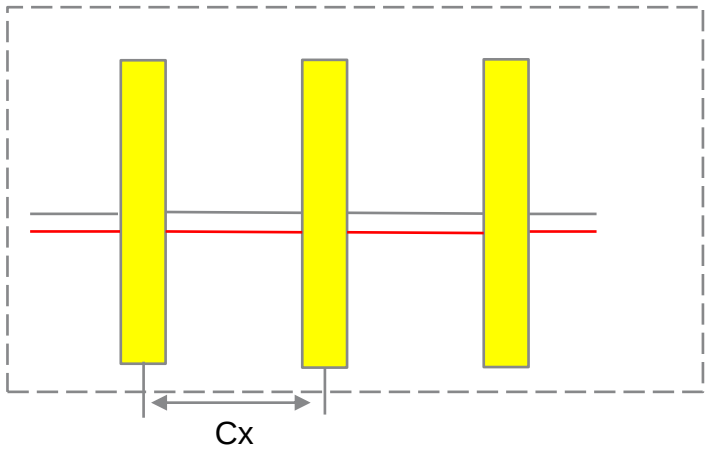


$$optical\ performance\ proportion = \frac{D(depth)}{P(spacing)} = 1{:}3$$

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

Application





Electrical

PART NUMBERS	Typical Voltage	Energy Consumption (W/PCS)	Energy Consumption (W/chain)	Product length (meter)	Additional Information (Strip/chain)
NOVABRBF	12VDC	12	12	0.95m	1

Remark:

1. Ranking at t_a= 25℃.
2. Constant voltage design.

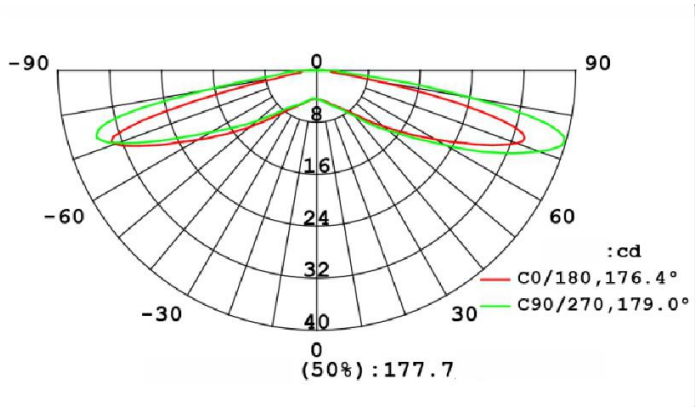
Photometrical data

PART NUMBERS	Light color (designation)	Color (CCT, wavelength)	Typical Brightness (lumen/module)	Typical Brightness (lumen/chain)	Color Rendering Index
NOVABRBF	White	7000K	1200	1200	RA>70

1. Ranking at t_a= 25℃.
2. Tolerance of measurements for brightness is ±10%, tolerance of measurements for the Chromaticity Coordinate is ±0.01; the tolerance of CCT should be calculated accordingly, Ra>70.

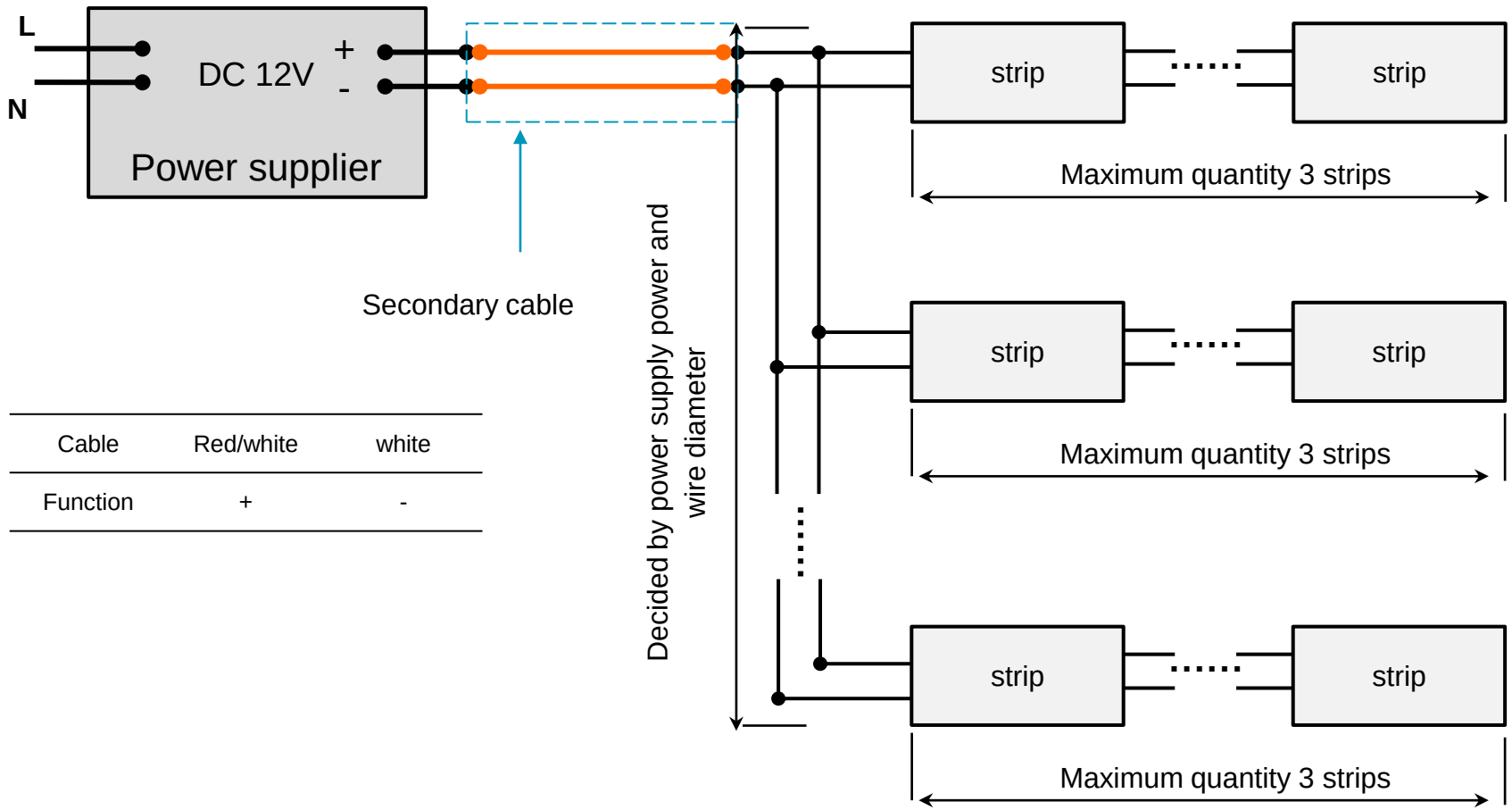
Application Conditions and light distribution

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
tc temperature	80℃
Dimming mode	Dimmable
Cutting Resolution	Cut on ever one led of the strips



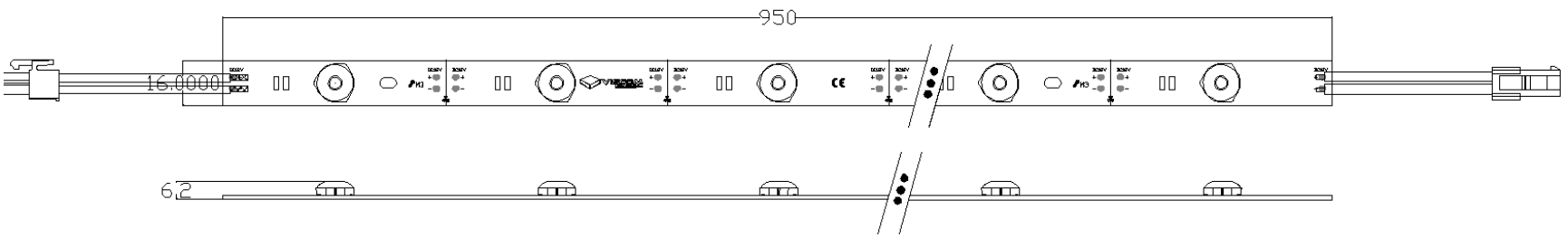
Beam angle: 177°

Wiring method



Cable	Red/white	white
Function	+	-

Drawing(uint:mm)



Package and additional information

PRODUCTS	PART NUMBERS	Package unit (modules/carton box)	Carton box Dimensions (length x width x height)
Back lighting led strip	NOVABRBF	/	/

-Installation of the product (with power supplies) needs to be made under consideration of all valid regulations and norms.

-Installation by qualified electrician only.

-The products can be installed by screws, rivets as well as silicon gel, while please do not use Acidic or alkaline adhesive.

-The high power LEDs generates more heat, so please install the products on the surface of material with good heat dissipation such as metallic or aluminium panel.

-Parallel connection is mandatory for safe electrical operation. Serial connection of the product 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 product. Please refer to the technical data for maximum number of the product that can be operated on one control gear.

-To avoid mechanical damage, the product 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).