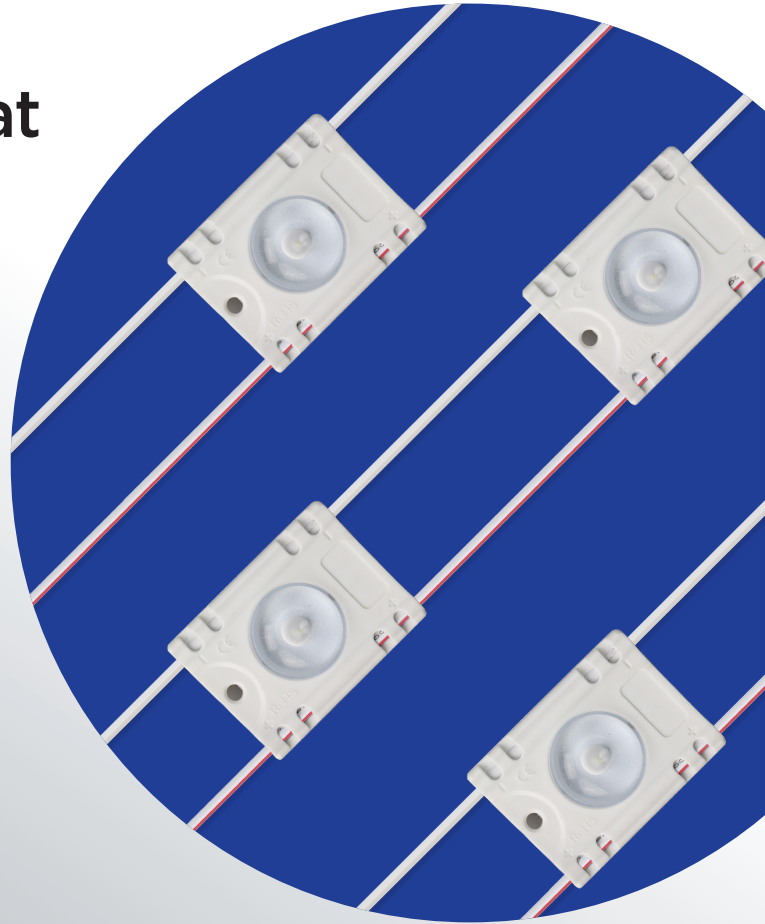


BakBox[®] Module

SIGNAGE - Backlighting

30 60

Very flat module with very wide lens for a great uniformity in ultra-slim applications.



5 YEARS
50.000hrs
L70

- Very efficient: 110 lm/W
- Robust and durable: ABS and PC
- IP65 for indoor and outdoor use
- 170° IRISLENS optic for ultra-slim light boxes, from 35mm depth

BakBox[®] Module

SIGNAGE - Backlighting

30 60



5 YEARS
50.000hrs
L70



IP65



170° IRISLENS



50 MOD. MAX
IN SERIES



156 TO 125
MOD./M²



12 V/DC



11 TO 14V



12,5 MOD./ML

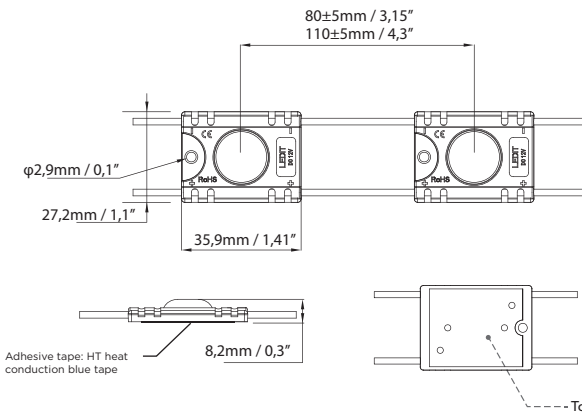


-30°/+50°C

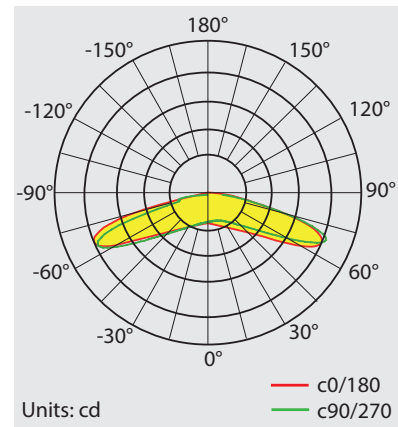
TECHNICAL DATA

Code	Designation	Color Temperature / Wavelength	Typical power / mod (W)	Lumen output (lm/mod.)	Efficiency (lm/W)	Mod/chain	Mod distance - axe to axe (mm / in)
20880063	BakBox Module 30 WDL 170deg 50mod 0,3W 12V IP65	○ WDL 5500-6500K	0,3	33	110	50	80±5/3,15"
20880064	BakBox Module 30 NW 170deg 50mod 0,3W 12V IP65	○ NW 3800-4200K	0,3	33	110	50	80±5/3,15"
20880096	BakBox Module 60 OW 170deg 50mod 0,6W 12V IP65	○ OW 7000-7500K	0,6	66	110	50	80±5/3,15"
20880065	BakBox Module 60 WDL 170deg 50mod 0,6W 12V IP65	○ WDL 5500-6500K	0,6	66	110	50	80±5/3,15"
20880066	BakBox Module 60 NW 170deg 50mod 0,6W 12V IP65	○ NW 3800-4200K	0,6	66	110	50	80±5/3,15"
20880081	BakBox Module 60 WW 170deg 50mod 110mm, 0,6W 12V IP65	○ WW 2800-3200K	0,6	66	110	50	110±5/4,3"

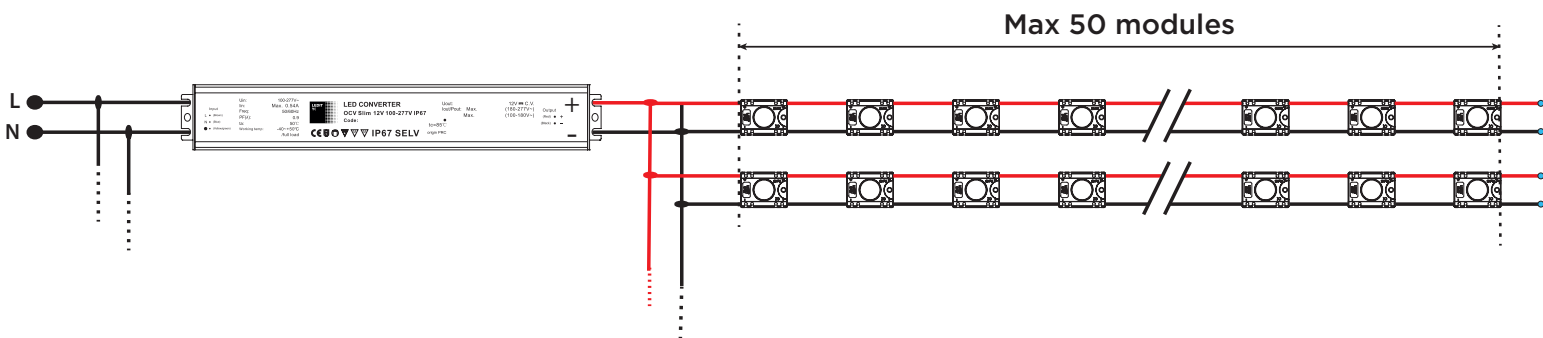
DIMENSIONS



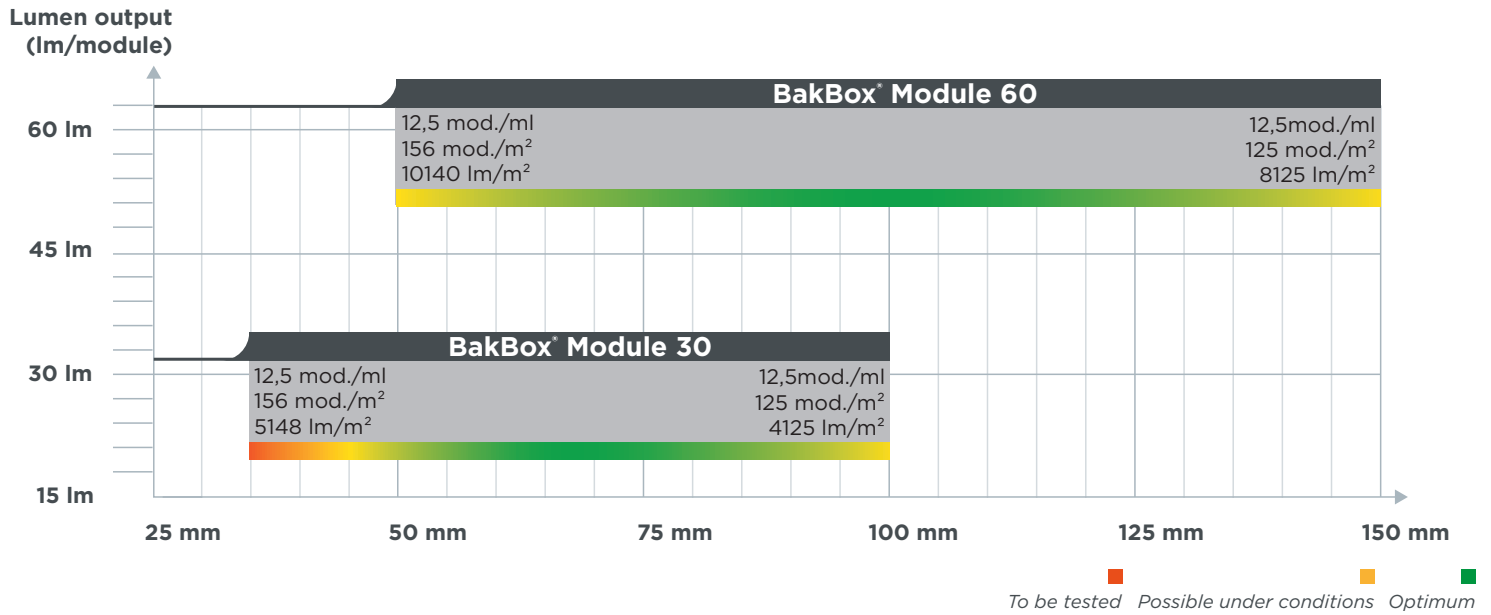
LIGHT DISTRIBUTION



WIRING DIAGRAM



APPLICATION



ACCESSORIES

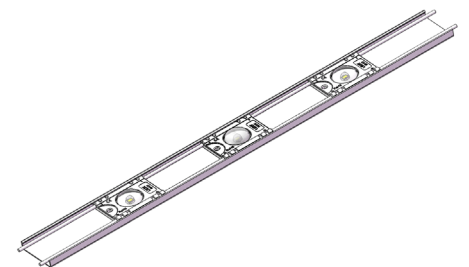
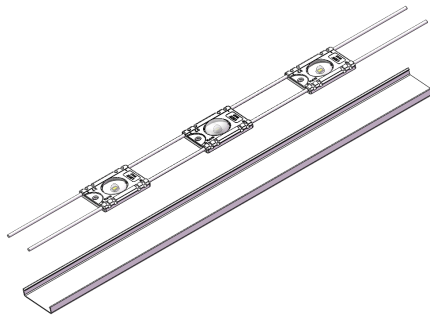
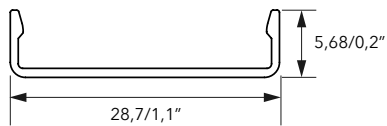
Code	Designation
20880077	BakBox Module Channel 2m

Extruded Aluminium

Thickness: 0,6mm,

Size: 28,7mm x 5,68mm x 2m (*the length can be defined based on requirement*)

Only available on request



INSTALLATION

- ▶ Always connect the LED modules to the power supply while it is OFF. Only then you can connect the power supply to electricity and turn it ON.
- ▶ Respect the maximum number of modules in a row.
- ▶ Check compatibility between LED and driver voltage.
- ▶ Install LED on a clean work station connected to the earth. All LEDs are sensitive to static electricity (ESD).
- ▶ Limit the cable length between LED and power supply (voltage drop).
- ▶ Do not make direct pressure on LED chip, this could damage the internal connection.
- ▶ Secure LED module lines with mechanical fixation (screws, glue ...) in addition to the adhesive tape.

INGRESS PROTECTION IP65

The product is designed to be used Indoors or Outdoors.
The specified environmental protection of the LED module enclosure means that:

It is totally protected against the ingress of dust, and protected against powerful water jets (100 liters per minute) projected by a nozzle against enclosure from any direction.

Make sure that the application (sign, box, etc.) where the LED modules are installed into, has proper drain holes for water to exit so that LED modules and any other electronic components are not submerged exceeding the IP65 certification limits.

NORMS & CERTIFICATES

- ▶ EN 55015:2013+A1:2015
- ▶ EN 61547:2009
- ▶ EN 61000-3-2:2014
- ▶ EN 61000-3-3:2013
- ▶ EN 62031:2008+A1:2013+A2:2015



WHITE TOLERANCE

In order to ensure there is no color difference visible to the human eyes:

- ▶ Tolerance of LEDs are Macadam ellipse 3 for white LEDs.

FAILURE RATE

Our LED system has a max failure rate of 0.2% per 1000 operating hours.

THERMAL BEHAVIOUR

The temperature limits indicated below are expressed in °C, at full load, after 3 hrs of operation conditions, with natural convection:

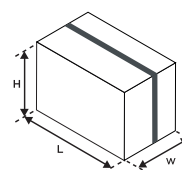
- ▶ Operation temperature Ta +55°C
- ▶ Storage temperature Ts +75°C
- ▶ Max. temperature Tc point +80°C

The life of the module will decrease when the maximum temperature limits are exceeded. If LEDs are operated for a continuous extended time at temperatures that exceed the maximum limits, the modules can fail.

Our Warranty will be void when LED modules are operated exceeding the maximum values indicated.

PACKAGING

Type	SIZE - LxWxH (cm)	SIZE - LxWxH (ft)	Weight (kg)	Weight (lb)	Units
BakBox Module	38x23x23	1,2x0,7x0,7	5,44	12	10
BakBox Module Profile	12x12x210	0,4x0,4x6,9	16,5	36,4	60



(When the min and max values are not indicated, the tolerance range for optical and electrical data is ±15 %.)