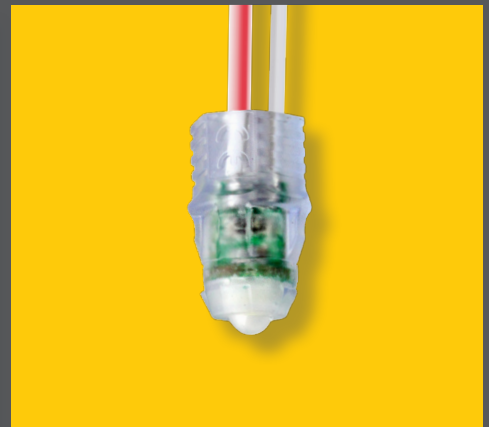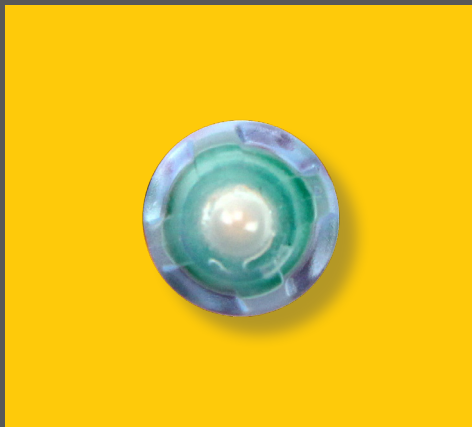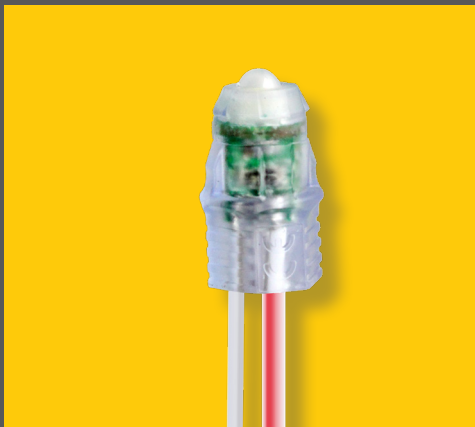# EPIX 8

Signage-Pixel Lighting

3 YEARS
30.000 hrs
L70

▶ Perfect vision during DAY time

▶ Special design and lens

▶ Easy and Secure Clip-on fixation

▶ IP67 and special UV treatment

to be fully exposed Outdoors

LEDit
INTERNATIONAL

EPIX 8

LEDit INTERNATIONAL

FEATURES & BENEFITS

▶ Optimized for Pixel Lighting application, ideal for daylight vision
▶ 120° IRISLENS®
▶ 40 modules flexible Chains, can be cut between any modules
▶ Available in 5 colors and 2 white CCTs
▶ IP67 design for Outdoor Application
▶ Robust: Anti-UV injeted PVC module
▶ DC12V
▶ Can be fixed easily by clip
▶ 100% aging test
▶ Wide operating temperature from -25 to +60°C

NORMS & CERTIFICATES

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

RoHS 2002/95/EC   CE

## LIFETIME & WARRANTY

▶ Warranty: 3 years for white, red,green, blue
            2 years for pink, orange
▶ Lifetime: 30.000 hrs at L70

TECHNICAL DATA

Code	Designation	Color	ColorTemp / wavelength	Voltage (V)	Typical power/mod (W/mod)	Lumen output (lm/mod)	Efficiency (Lm/W)	Modules / chain	Modules max in series	Module distance - axe to axe (mm / in)
21460001	Epix 8 SMD WS 40 mod 65mm 0,20W 12V IP67	WS	7800-9000K	12	0,18	16	89	40	40	65±5/2,56"
21460002	Epix 8 SMD NW 40 mod 65mm 0,20W 12V IP67	NW	3850-4250K	12	0,18	16	89	40	40	65±5/2,56"
21460003	Epix 8 SMD R 40 mod 65mm 0,20W 12V IP67	R	620-625nm	12	0,18	7	39	40	40	65±5/2,56"
21460004	Epix 8 SMD G 40 mod 65mm 0,20W 12V IP67	G	520-525nm	12	0,18	16	89	40	40	65±5/2,56"
21460005	Epix 8 SMD B 40 mod 65mm 0,20W 12V IP67	B	465-470nm	12	0,18	3	17	40	40	65±5/2,56"
21460006	Epix 8 SMD P 40 mod 65mm 0,20W 12V IP67	O	540-545nm	12	0,18	6	33	40	40	65±5/2,56"
21460007	Epix 8 SMD O 40 mod 65mm 0,20W 12V IP67	P	600-605nm	12	0,18	11	61	40	40	65±5/2,56"

Tolerance range for optical and electrical data: ±15 %.

DIMENSIONS

12/0,47"
18,99/0,75"
20,35/0,8"
Φ8,6/0,34"
10/0,39"
tc

APPLICATION

**Max 71 mm
Min 66 mm**
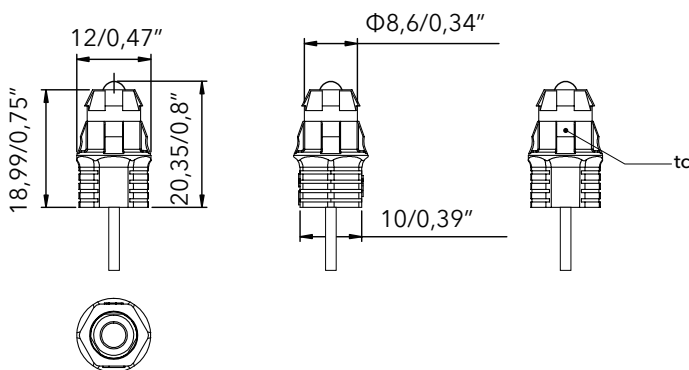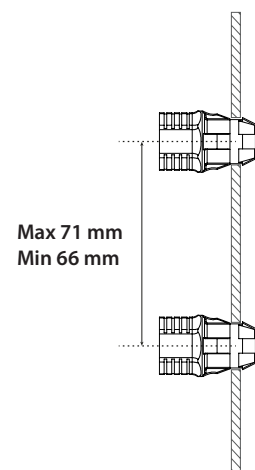
PACKAGING

	Type	SIZE - LxWxH (cm)	SIZE - LxWxH (ft)	Weight (Kg)	Weight (lb)	Nb of pcs/ box
CARTON	EPIX 8	55x41x35	1,8x1,3x1,1	24	52,9	160

EPIX 8

WIRING DIAGRAM

Max 40 modules for EPIX 8

L
N

12V Converter + −

71 mm
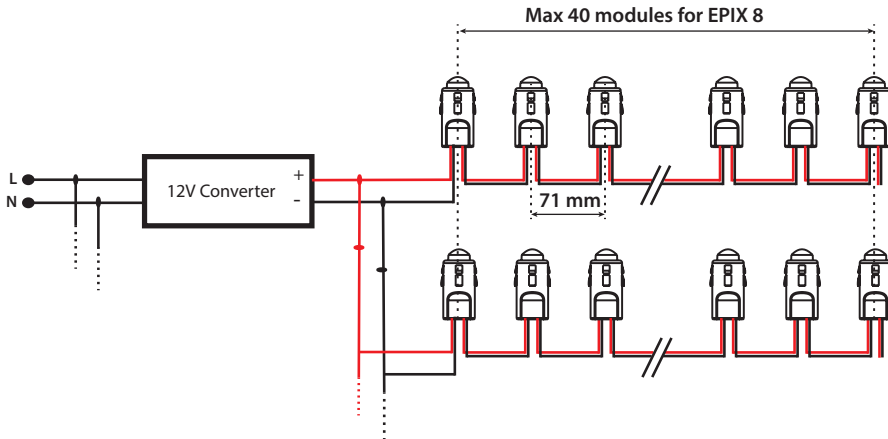
INGRESS PROTECTION IP67

▶ Module is an "inbuilt LED module" designed to be used Indoors and Outdoors applications

▶ The specified environmental protection of the LED module enclosure means that it is totally protected against dust, and protected against the effect of water immersion up to 1 mtr. The certification requires products to pass a test 30 minutes long at 1 mtr. below the surface of water. After 30 minutes of submersion product could start to be affected or damaged.

▶ Make sure the application (sign, box, etc.) where the LED modules are installed into, has proper holes for water to exit so that LED modules and any other electronic components are not submerged exceeding the IP67 certification limits.

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.

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 -25 to +60°C
▶ Storage temperature   Ts -25 to +70 °C
▶ Max. temperature tc point   Tc 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.

LED IT COMPANY LIMITED
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114 -118 Lochkart Road, Wanchai, Hong Kong
Contact : sales@leditinternational.com

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Subject to change without notice.