

VERSA 80 RGB

Signage – Backlighting

5 YEARS
50.000 hrs
L70

RGB modules for Outdoor
color-changing applications

- ▶ RGB IP67 chain for Outdoors
- ▶ 155° special IRISLEN optical lens for uniformity
- ▶ Very robust and reliable
- ▶ Easy to control with DIMALED RGB



FEATURES & BENEFITS

- ▶ RGB LED chips in each of the 3 light points/module so you can choose colors or animations
- ▶ Optimised for backlighting surface or letters (50 to 200 mm depth)
- ▶ Flexible chains with 25 modules cuttable anywhere
- ▶ 155° **IRISLENS®** for a superior uniformity
- ▶ Easy to control with DIMALED RGB
- ▶ IP67 Design for indoor and outdoor applications
- ▶ PVC anti UV-protected injected module
- ▶ DC 12V
- ▶ High quality VHB 3M tape for reliable fixation
- ▶ New packaging for easy handling and storage
- ▶ Improved traceability with identification with laser printing on each module (batch number, product date)
- ▶ 100% aging test
- ▶ Wide operating temperature from -30° to +50°C

NORMS & CERTIFICATES

- ▶ EN 55015:2013
- ▶ EN 61547:2009
- ▶ EN61000-3-2:2014
- ▶ EN61000-3-3:2013



LIFETIME & WARRANTY

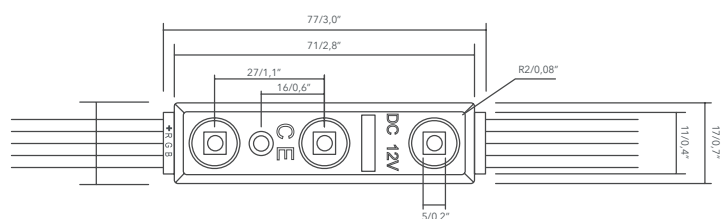
- ▶ Warranty: 5 years
- ▶ Lifetime: 50.000 hours at L70

TECHNICAL DATA

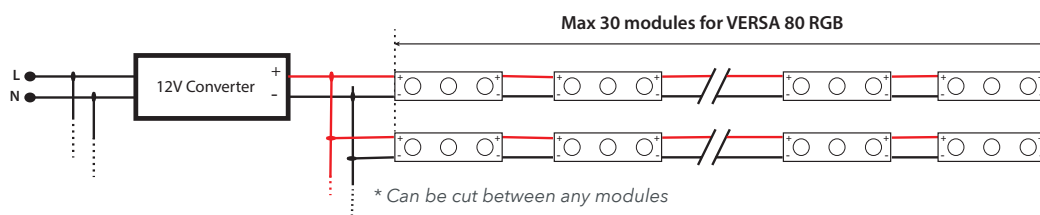
Code	Designation	Color	ColorTemp / wavelength	Voltage (V)	Typical power/ mod (W)	Lumen output (lm/module)	Efficiency (Lm/W)	Modules / chain	Modules max in series	Module distance - axe to axe (mm/in)	
21820080	VERSA 80 RGB 25mod 0.72W 12V IP67	R G B	R : 625nm G : 525nm B : 470nm	12V	0,72	R : 0,24 G : 0,24 B : 0,24	R : 9 G : 15 B : 3	R : 37,5 G : 62,5 B : 12,5	25	30	200±5/78,7

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

DIMENSIONS



WIRING DIAGRAM



INGRESS PROTECTION IP67

- ▶ Product is an “inbuilt LED module” 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 the effect of water immersion up to 1 mtr deep.
 - ▶ The certification requires products to pass a test 30 minutes long at 1 mtr. depth. 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 drain 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.

PACKAGING

	Type	SIZE - LxWxH (cm)	SIZE - LxWxH (ft)	Weight (Kg)	Weight (Lb)	Nb of Pcs / box
CARTON	VERSA 80 RGB	46x40x43	1,5x1,3x1,4	20,7	45,6	40

THERMAL BEHAVIOUR

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

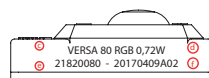
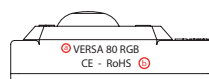
- ▶ Operation temperature Ta -30° to +50°C
- ▶ Storage temperature Ts -20 to +60°C
- ▶ Max. temperature tc point Tc

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.

IDENTIFICATION



- Product's Type
- CE/RoHS logo
- Product designation
- Module consumption
- Product code
- Batch number

