

Luce&Light – IPS & EPS

We are very excited to update you with news from one of our new Lighting suppliers L&L Luce&Light.

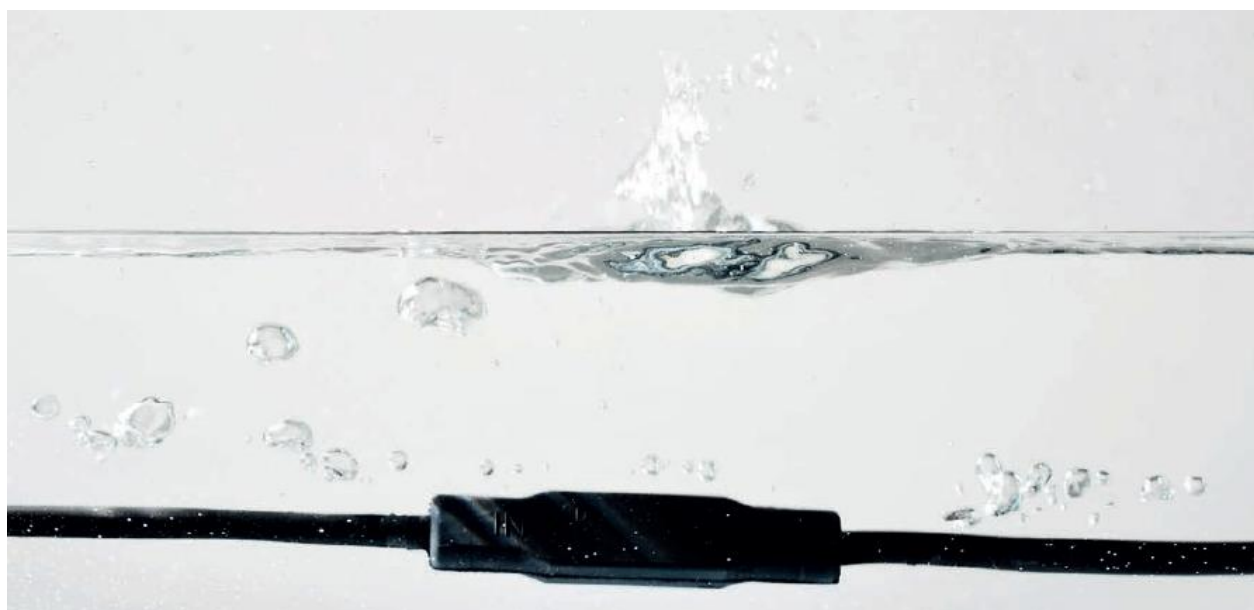
Exterior ranges now have IPS which has been tested in a 10Mtr pressure tank and stops the infiltration of water via the cable, entering into the fitting and also protects against voltage surges up to 46volts.

Interior ranges now have EPS which protects against electrical over stress, stop voltage surges up to 56V DC and protects against incorrect polarity.

Please continue reading on the following pages for more information.

L&L - Luce&Light News

IPS - Intelligent Protection System



The latest development at L&L Luce&Light is the integration of the IPS (Intelligent Protection System) device, patent pending, on all outdoor products. This revolutionary innovation ensures safety of the equipment, now definitively protected from the problem of water infiltration, guaranteeing the absolute integrity of the internal electronic components and protecting against power surges of up to 48Vdc.

IP68 The IPS system protects the equipment from water infiltration, which can occur in the event of faulty junctions between cables.

POWER SURGES The IPS system protects the LED from surges up to 48Vdc that can occur due to faulty electrical connection.

STANDARD The IPS system is integrated with the cables of all outdoor devices in our range of products

TEST The IPS system is the result of extremely strict testing in climatic chamber and immersion trials up to 10 metres in depth



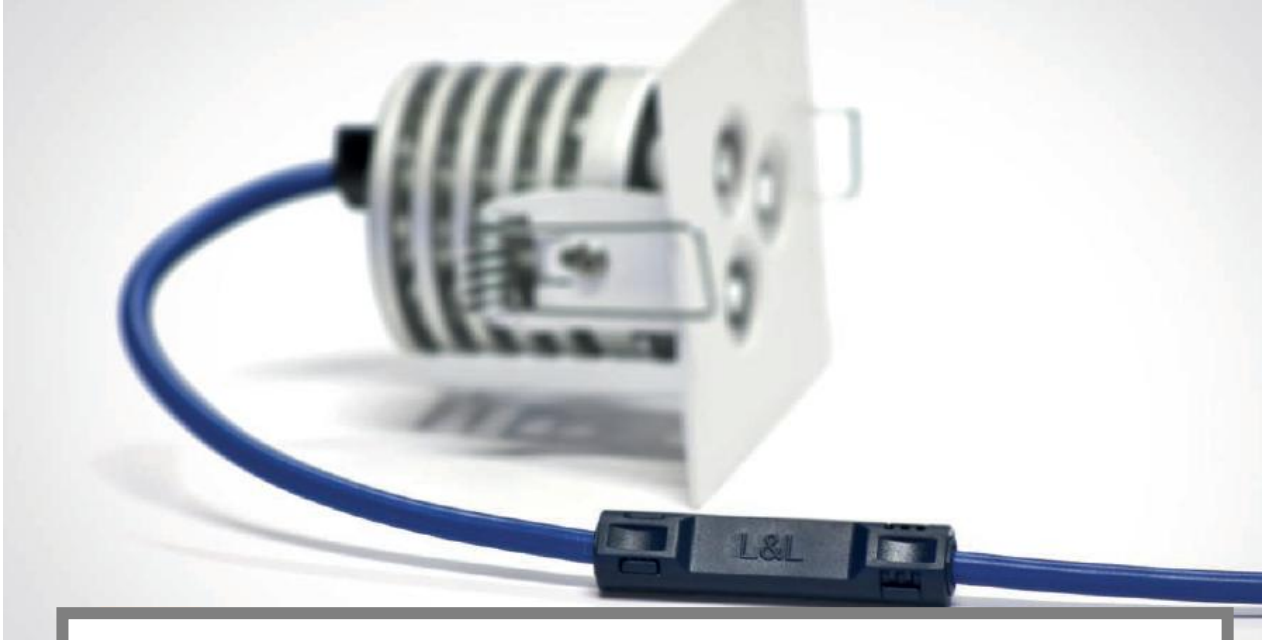
Prodotto dotato di sistema IPS
Product equipped with IPS



Prodotto dotato di sistema IPS
(senza protezione elettrica)

Product equipped with IPS

EPS - Electrical Protection System



Carefully designed by our experts to ensure the protection of your installations, this is the definitive solution to voltage peaks caused by faulty electrical connections, which often cause damage to the LED diode.

INVERSION OF POLARITY Protection against inversion of polarity is guaranteed by an ES2D diode carrying a direct current of 2A, which ensures the maintenance of the maximum current supplied by the driver (500mA) in the event of faulty electrical connections.

ESD PROTECTION The TransZorb component ensures protection from electrostatic discharges of up to 56V.

ELECTRICAL OVER STRESS PROTECTION Connecting LED equipment to a live power supply could send very high currents into the diode that can damage the LED. The EPS performs the task of limiting the current inside the LED in the first phase after switch on, thereby ensuring total protection of the diode.



Prodotto dotato di sistema EPS
Product equipped with EPS