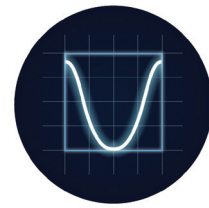


LED EMERGENCY GEAR:

LED UNIVERSE

EMERGENCY KIT FOR MODULES/PANELS WITH EXTERNAL DRIVERS

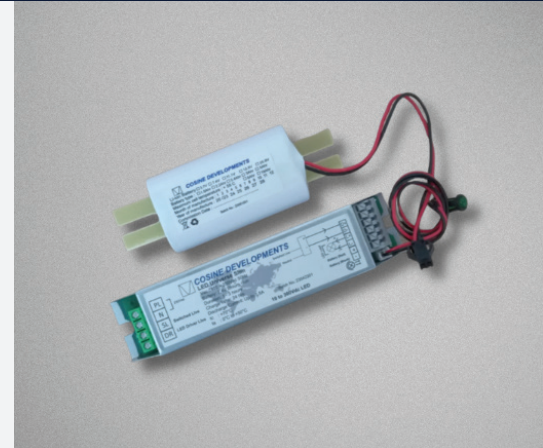


COSINE DEVELOPMENTS
LEADERS IN EMERGENCY LIGHTING

DESCRIPTION

The LED Universe is used for modules or panels with external LED drivers. It can operate any LED's that has a forward voltage of 10 to 300V dc. The LED Universe is compatible with lithium-ion batteries.

The LED Universe with lithium-ion batteries can offer longer duration during emergency mode with an added advantage of being cost efficient. The emergency control gear can be installed into the luminaire providing the case temperature does not exceed 55°C when using lithium-ion batteries.



TECHNICAL DATA

BATTERY CHARGING TIME	4 - 6 hours
DIMENSIONS	140 x 30 x 23mm
MAINS FREQUENCY	50Hz
MAXIMUM CASING TEMPERATURE	tc 70°C
OUTPUT CURRENT	2A (max)
OUTPUT FORWARD VOLTAGE RANGE	10 - 300V
RATED SUPPLY VOLTAGE	110 - 250Vac
IP RATING	IP20
OUTPUT POWER	5W
REMOTE BOX DIMENSIONS	350 x 52 x 38mm

FEATURES

- > Wide forward voltage range of 10 - 300Vdc
- > Maintained or non-maintained operation
- > Available in self-testing option
- > Constant current (2 cell) kit
- > Li-ion battery compatible
- > 5 year warranty
- > Fast charging



The LED Universe
complies with SANS 1464-22

If the emergency control gear cannot fit into the luminaire, due to size or temperature, the emergency control gear can be supplied in a remote box.

