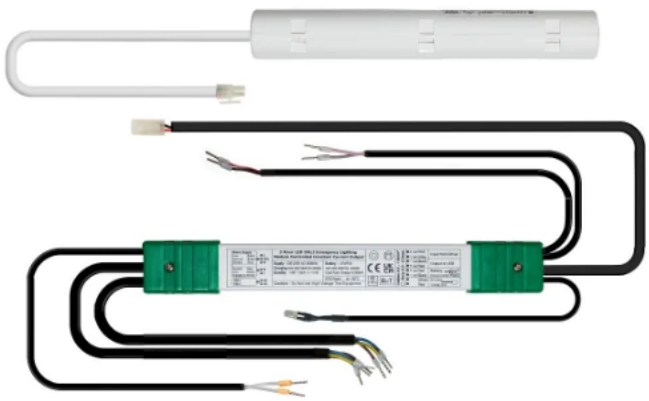
Castor

TNA/1S/TP40/R



IP20

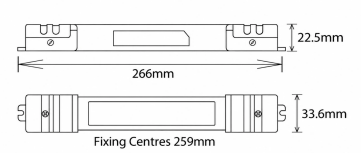
DESCRIPTION

The Castor is a high-quality DALI Self-Test 3-hour switchable emergency lighting module designed to suit a wide range of LED types, circuits and applications. Whilst the Castor is designed for high-voltage LEDs or longer linear applications, it can run certain self-driven lamps, such as GU10s (subject to testing). The unit is designed to work with lithium iron phosphate (LiFePO4) batteries. The module automatically adjusts the output current to provide the best match between the battery and the load, maximising illumination whilst ensuring full battery life. The pack features a bi-colour charge healthy/fault indicator LED on a flying lead. This range uses the latest LiFePO4 battery technology, dramatically reducing energy consumption and facilities management labour. If a DALI bus is not connected to the Castor, the unit will operate as a standalone self-test unit, reporting faults via a red charge LED indication. The Castor has been independently certified by TÜV, ensuring the product has been tested for safety and complies with national and international regulations.

SPECIFICATIONS

Dimensions	Module: L266mm x W33.6mm x H22.5mm | FC: 259mm
Input Voltage	55-300V
IP Rating	IP20
DALI Available	Yes
Dimension 1	Module: L266mm x W33.6mm x H22.5mm | FC: 259mm
Mounting Type	Surface Mounted
Current	38mA-7mA
LED Voltage Limit	340V

DIMENSIONS



POLAR CURVE

LUMINAIRE FINISHES

Body W / B / S / R - Custom RAL

NOTES

DRK Lighting LTD
Unit 2, Silverglade Business Park,
Leatherhead Road, Chessington,
KT9 2QL

info@drklighting.co.uk
+44 (0)207 018 2202
www.drklighting.co.uk

Certificate No:447672024

Battery Discharge Current	1100mA
Mains Supply	230-240V AC 50/60Hz
Power Rating (Charging)	2.5W 15mA λ = 0.70
Power Rating (Standing)	1.3W 9mA λ = 0.60
Charge Current	225mA nominal
Recharge Period	24 hours
Battery Pack	3.2V 4.8Ah LiFePO4
Battery Cut Off	2.5V
Ambient Temperature (Ta)	5-25°C
Case Temperature (Tc)	5-55°C
LED Lifetime	50,000h
Warranty	5 years

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Integrated Management System
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