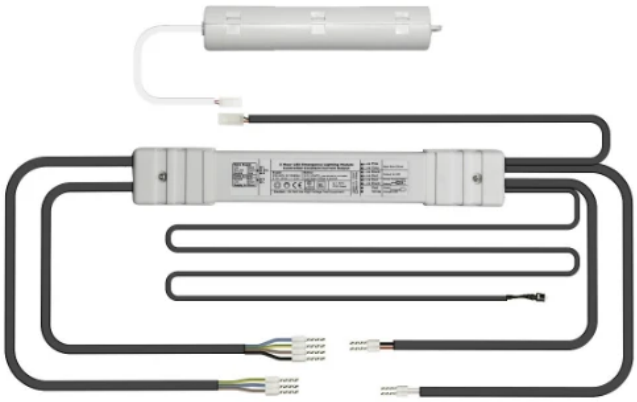
Polaris

NLP/2/TP40/R



IP20

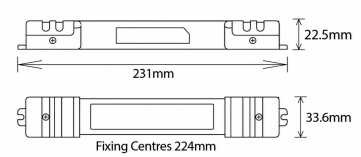
DESCRIPTION

The Polaris is a high-output, remote, 3-hour switchable emergency lighting module designed to suit a wide range of LED types, circuits, and applications. The unit operates with lithium iron phosphate (LiFePO4) batteries and is available in 2 versions, one for SELV applications, less than 60V and one up to 80V. 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 module is supplied with a green charge healthy indicator LED. This range uses the latest LiFePO4 battery technology, dramatically reducing energy consumption and facilities management labour. The Polaris is supplied with strain-relief cables, allowing it to be installed adjacent to the luminaire in the ceiling void. The product passes through a 40mm or greater aperture. The Polaris range has been independently certified by TÜV, ensuring the product has been tested for safety and complies with national and international regulations.

SPECIFICATIONS

Dimensions	Module: L231mm x W33.6mm x H22.5mm | FC: 224mm
Input Voltage	10-55V
IP Rating	IP20
DALI Available	No
Dimension 1	Module: L231mm x W33.6mm x H22.5mm | FC: 224mm
Mounting Type	Surface Mounted
Current	460mA-86mA
LED Voltage Limit	55V

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

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

bsi Certified Remanufacturer KITEMARK™
Citation ISO Certification ISO 9001: 2015 ISO 14001: 2015 REGISTERED
Certificate No:447672024

Battery Discharge Current	900mA
Mains Supply	230-240V AC 50/60Hz
Power Rating (Charging)	3.8W 23mA λ = 0.69
Power Rating (Standing)	1.3W 13mA λ = 0.43
Charge Current	225mA nominal
Recharge Period	24 hours
Battery Pack	6.4V 3.8Ah LiFePO4
Battery Cut Off	5V
Ambient Temperature (Ta)	Module and Battery 5-35°C
Case Temperature (Tc)	Battery 5-55°C, Module 5-70°C
LED Lifetime	50,000h
Warranty	5 years

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