

PRODUCT CATALOGUEEdition 2018



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COMPANY PROFILE

PowerCraft Electronics Pte Ltd is dedicated to provide a complete range of emergency lighting products. We promise high quality, reliable, innovative and technologically advanced products that fully comply to Singapore and European Safety standards for emergency lighting applications. Leveraging on innovative technologies and a wide knowledge of customer's insights, we deliver integrated solutions to ensure that we take care of all our customers' needs and concerns.

Since 2000, PowerCraft Electronics has since established a strong presence in Singapore, and has expanded its reach to the Asia-Pacific region.

We understand the importance of lighting in spaces, especially during emergencies.

We thus pride ourselves in being a service oriented company, focused on catering to each customer's individual needs with our wide range of products and flexible manufacturing

facilities. On top of that, our manufacturing facilities are ISO9001 certified, meaning that the quality of our products meet statutory and regulatory requirements.



PRODUCTS THAT MATTER TO PEOPLE

Two fundamental beliefs of our company are innovation, and having a people-centric approach. Our company is dedicated to producing emergency lighting technologies that are reliable and give our customers a sense of dependability. To ensure this, we have a deep understanding of what people need in stressful situations.

This sets us apart, and makes us PowerCraft Electronics.

CERTIFICATES

WITH THE HARDWORK OF OUR TEAM, WE ARE CERTIFIED FOR OUR BRILLIANCE IN THIS INDUSTRY.

















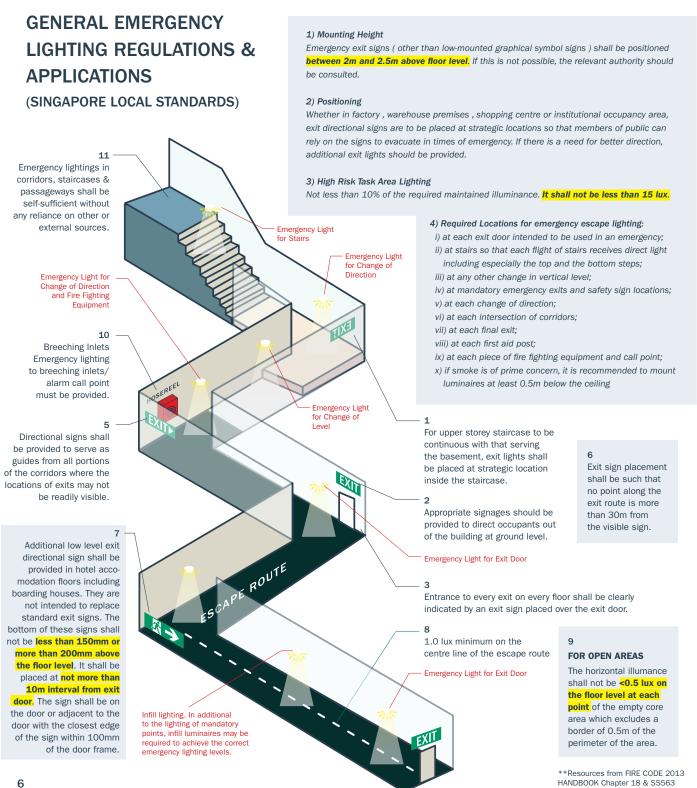








EVACUATION ROUTE



PRODUCTS & SERVICES



WEBSITE AND PRODUCT DATABASE

The PowerCraft website includes all relevant information, from product descriptions, technical data and dimensional information. For each product, the data sheet in PDF format is available for downloading.

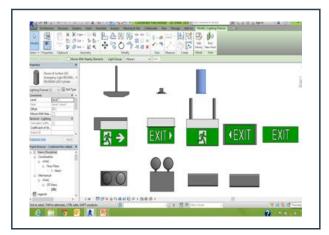
www.powercraftelec.com



DIAlux

DIALux is a globally used programme for planning lighting installations. The visualisation of building situations, light distribution patterns and calculation results make it easy to plan an emergency lighting system using PowerCraft emergency luminaires.

Photometric data for PowerCraft's emergency luminaires are available on request.



Revit

High-grade, energy-efficient buildings are planned and managed using this powerful software. In the process, designs are modified or re-designed by simply clicking or using the drag&drop function. For a number of luminaires, 3D files for Autodesk Revit are available, including extensive product information such as dimensions and energy consumption. As soon as the luminaires are positioned, the beam patterns are displayed and the installed load is calculated.

PowerCraft's Revit BMI models are available on request.

PORTFOLIO

WE WORK WITH PROJECTS ACROSS DIFFERENT INDUSTRIES SUCH AS HEALTH INSTITUTES, COMMERCIAL BUILDINGS, EDUCATIONAL INSTITUTES AND RESIDENTIAL PROJECTS. OUR PRODUCTS ARE INSTALLED IN THESE BUILDINGS.

OFFICE / COMMERCIAL

Fusionopolis Robinson Tower HP Office AXA Tower West Connect Building Vision Exchange Proxima Novabay **UOB Plaza** Maybank Tower **PSB** Academy AIA Alexandra Eco-Tech @ Sunview Coca Cola Office CT Hub 1 & 2 Link @ AMK Synergy @ KB Sunray Headquater

AIRPORT

Space @ Tampines

Changi Airport Terminal 4

HOTEL

Shangri-La Hotel
Orchid Hotel
Mercure Bugis Hotel
Park Hotel Alexandra
Orchard Hotel
Oasis Hotel
Grand Copthorne Waterfront Hotel
V Hotel Lavender

EDUCATION INSTITUTES

Singapore American School Anchorgreen Primary School Pei Ying Primary School CHIJ- Mont- Monfort Junior School Pei Tong Primary School Nanyang Technological University Ngee Ann Polytechnic National University of Singapore Singapore Polytechnic United World College Meridian Primary School
Boon Lay Garden Primary School
Geylang Methodist Primary School
Assumption English School
Haig Girl School
ITE College Central
Yale NUS
Tanglin Trust School
Nanyang Polytechnic

CONDOMINIUM

DIIO Residences

The Trizon Condo

8 @ Woodleigh Sims Urban Oasis Oxley Rise Condo Alex Residences Flamingo Valley Condo New Futura Belgravia Villas VUE 8 Residences Riverbank Condo Santorini Condo Parc Olympia Condo City Suites Condo The Panorama Condo 6 Derbyshire Condo Ascent 456 Condo The Scotts Tower Condo Sea Horizon Condo The Topiary Riversail Condo Eco Sanctuary Goodwood Residences Silversea Condo Jewel Condo Hillsta Condo Double Bay Condo Starlight Condo

SHOPPING MALL

Seawind Condo

Hillion Mall
Plaza Singapura
Big Box
Wisma Atria
Resorts World Sentosa
Alexandra Central Mall
HillV2 Mall
Bugis Junction

Paragon Raffles City Shopping Centre Bedok Mall Tampines Mall

GOVERNMENT

Sungei Seletar Bus Depot Hougang N9C16 HDB Sembawang N3C8 HDB Sembawang N3C7 HDB Yishun N4C17 HDB Hougang N9C20 HDB Bukit Batok N4C13 HDB Jurong West N1C31 HDB Singapore Power Cable Tunnel, Bedok South Station Nee Soon Camp Jurong Fire Station Woodlands Nursing Home Chai Chee Nursing Home Hougang N9C19 HDB Sembawang Nursing Home Kranji Camp Punggol East C35 HDB Changi Prison Nee Soon Camp Queenstown C25A HDB Clementi N4C10 HDB Tiong Bahru Community Centre Tampines N4C28 HDB Margaret Nursing Home Singpost Loghub @ Greenwich West Coast Community Centre DSTA Office River Safari Clementi Fire Station

HEALTHCARE

National Centre for Infectious Disease Khoo Teck Puat Hospital NUH Medical Centre Tan Tock Seng Hospital St's Andrew Community Hospital Mount Alvernia Hospital Changi Hospital Ren Ci Hospital National Heart Centre

OVERSEAS PROJECT

BRUNEI

National Cancer Centre

HONG KONG

Landmark Mandarin Oriental @ Central

INDONESIA

Telkom Tower @ Jakarta DoubleTree Hotel @ Jakarta Widya Mandala Catholic University Menara Astra

INDONESIA, BOGOR

Indofood Palembang

INDONESIA, BANDUNG

Maranata Universitas

INDONESIA, CILEGON

Krakatau Nippon Steel Sukimin

INDONESIA, DEPOK

Merc Ui UI Project

INDONESIA, JAKARTA

Permata Bank Metropolitan Atlanta Pt. Dbilder Indonesia NPCT1 City Bank City Bank South Quarter Samuel GF & MZ
Bank Danamon
Podomoro
Nayang School
Pt. Inti Indah
UNJ Pasca Sarjana
Summitmas
Roki
Hotel Swis
Manulife
Samsung tugu
Cargil
Kapital
AIA Center

DBS Samarinda Sunlife Alam Sutra

Dinas Perhubungan Restaurant Lyman Office

B Braun Poject Invetory - IWE Pasific Place Project Manhattan Square

PGN Wika

INDONESIA, KARAWANG

Pt. Chemco Harapan Nusantara

INDONESIA, TANGGERANG

PMDK

MACAU

Mandarin Oriental Hotel Macau Mandarin Oriental Hotel

MYANMMAR

Coca Cola HQ

PHILIPPINES

One World Place @ BGC Taguig, Manila World Plaza @ BGC Taguig, Manila Asian Hospital and Medical Center @ Manila Manila Bay Resort Palladium Store Winford Hotel and Casino Marriot West Wing Hotel @ Manila Resort World @ Manila

QATAR, DOHA

Al Nakilat Office

Al Meera Department stores
Al Udeid base in various projects
Flix Cinema
Schools @ Al Khor
Schools @ Sailiyah
Schools @ Rawdat
Schools @ Umquran
Hamad Medical Corporation
Sewage Treatment Plant, Lusail
Development
Energy Centre
Lusail Pumping Station
Qatar Olympic Committee
Woqod

VIETNAM

Xuyên Mộc Tax Office
B.Braun Manufacturing Plant
Long Hau Factory
Masan Factory @ Hậu Giang
Vista Verde Condominium
Novotel Phu Quoc
The Krista Condominium
Juraron Industries
TOTO Vietnam Factory
Park Hyatt Saigon Hotel
Beverage Factory
Sheraton Hotel
TC Motor Vietnam



HOLISTIC APPROACH

PowerCraft Electronics' emergency lighting appliances act as a beacon to safety during times of emergency. Our exit signs, emergency light luminaires, emergency conversion kits, and batteries make sure that you're sufficiently prepared.

Lights play a critical role in times of emergency or power outage. We've ensured that our products are easy to use, reliable and above all long lasting.

Here in Powercraft, we are interested to work with our customers in providing high quality emergency lighting because we are aware of the user's responsibility towards every building they are working on. We are also specialized in customizing emergency lighting solutions according to what our clients need other than ensuring what we proposed is in line with the relevant standards.

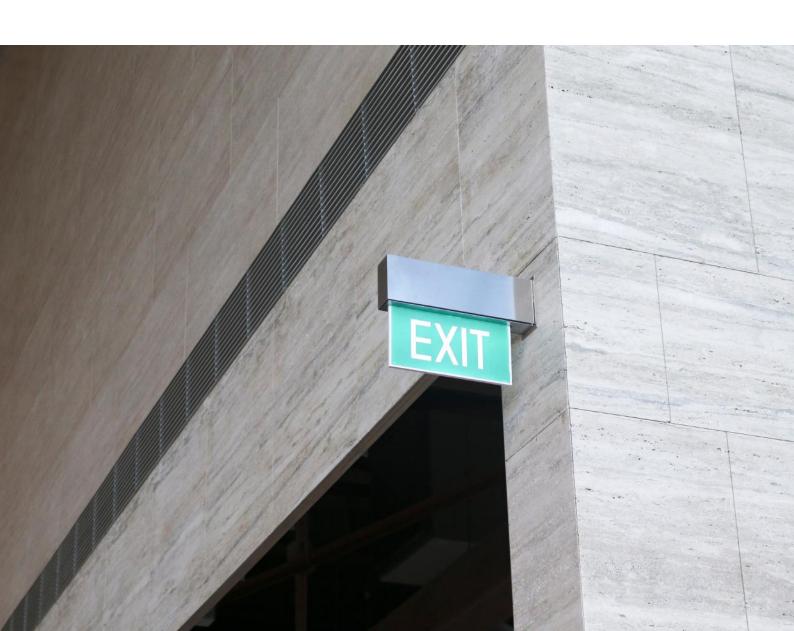






EXIT LUMINAIRE RANGE

PowerCraft Electronics' Exit Luminaire Range consists of long life white LEDs that meet international standards. They deliver up to 85% energy saving compared with traditional fluorescent lamps, and are maintenance free without any compromise on light quality. They are also guaranteed to light up even in the darkest of times. The Exit Luminaires that Powercraft are providing ranges from aesthetically pleasing designs to exit luminaires with higher protection rating.



















EX-LED-M-QF **QUICK FIT SURFACE LED**

AESTHETIC AND FUNCTIONAL ASPECTS ARE MET BY THE QUICK FIT DESIGN

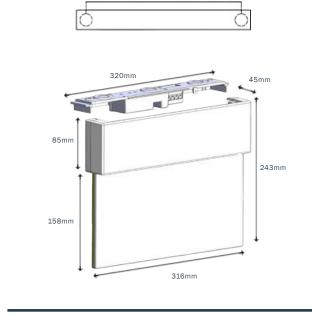


TECHNICAL SPECIFICATIONS		
MODEL NO:	EX-LED-M-QF	
Mode of Operation:	Maintained	
Lamp:	1.2W White LED module with burning life-span > 50,000 hours	
Rated Duration:	3 Hours	
Mains Supply:	220-240 Volts, 50-60Hz	
Power Consumption:	3W (Total standby power inclusive of LED converter)	
Battery:	High Temperature Nickel Cadmium	
Charger:	Regulated variable rate	
Charge Monitor:	LED	
Test Facility:	Micro switch	
Mounting:	Surface wall / Suspended / Surface ceiling	
Safety Features:	Low battery voltage cut off to prevent over discharge	
Diffuser:	Acrylic plate (fire retardant)	
Fitting Construction:	Injection moulded with fire retardant (UL94), high impact material	
Weight:	Approx. 1.2 Kg	
Dimensions:	243mm (H) x 320mm (W) x 45mm (D)	
Standards / Compliance:	SS IEC 60598-2-22, SS 563	

Ordering Guide:		
Legend	Single Sided	Double Sided
八	EX-LED-M-QF-S-RM	EX-LED-M-QF-D-RM
	EX-LED-M-QF-SR-RM	EX-LED-M-QF-DR-RM
	EX-LED-M-QF-SL-RM	EX-LED-M-QF-DL-RM
EXIT	EX-LED-M-QF-S	EX-LED-M-QF-D
EXIT▶	EX-LED-M-QF-SR	EX-LED-M-QF-DR
◆EXIT	EX-LED-M-QF-SL	EX-LED-M-QF-DL

- · Designed for fast installation and easy maintenance.
- Ultra bright white LEDs meeting ISO safety colour requirements.
- Exceeds SS IEC 60598-2-22 and SS 563 brightness requirements
- · Extra low power consumption
- High Quality , Long Life SMD LED module
- · Numerous installations options available
- Series connection of LEDs achieve a high level of uniform light distribution and ensuring maximum life span.
- Low battery voltage cut-off with latch function , to eliminate battery over discharge.
- Durable fire retardant construction (UL 94) to combat corrosion
- Lightweight ergonomics design boost productivity of installers.

262mm

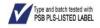












^{***}Note: Technical Specification subject to change without prior notice

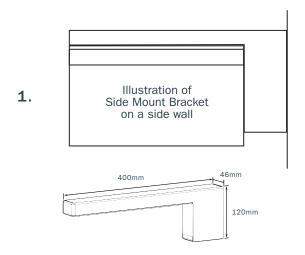
ACCESSORIES for EX-LED-M-QF





SIDE MOUNT BRACKET

When exit signs cannot be installed above the door or on the ceiling due to visual and technical reasons, our side mount bracket is able to provide solution to do side mounting on the wall.



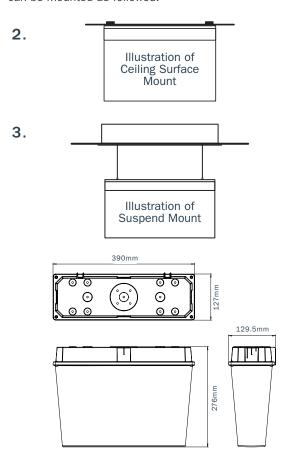
***Note: Technical Specification subject to change without prior notice

Ordering Guide (With Side Mount): Legend Single Sided Double Sided EX-LED-M-QF-SIDE-S-RM EX-LED-M-QF-SIDE-D-RM EX-LED-M-QF-SIDE-SR-RM EX-LED-M-QF-SIDE-DR-RM EX-LED-M-QF-SIDE-SL-RM EX-LED-M-QF-SIDE-DL-RM EXIT EX-LED-M-QF-SIDE-S EX-LED-M-QF-SIDE-DR EXIT EX-LED-M-QF-SIDE-SR EX-LED-M-QF-SIDE-DR EXIT EX-LED-M-QF-SIDE-SR EX-LED-M-QF-SIDE-DR

Ordering Guide (With Waterproof Enclosure):		
Legend	Single-Sided	Double Sided
Z.	EX-LED-M-QF-S-RM-WP-SC-ENC	EX-LED-M-QF-D-RM-WP-SC-ENC
	EX-LED-M-QF-SR-RM-WP-SC-ENC	EX-LED-M-QF-DR-RM-WP-SC-ENC
← ½	EX-LED-M-QF-SL-RM-WP-SC-ENC	EX-LED-M-QF-DL-RM-WP-SC-ENC
EXIT	EX-LED-M-QF-S-WP-SC-ENC	EX-LED-M-QF-D-WP-SC-ENC
EXIT▶	EX-LED-M-QF-SR-WP-SC-ENC	EX-LED-M-QF-DR-WP-SC-ENC
◆EXIT	EX-LED-M-QF-SL-WP-SC-ENC	EX-LED-M-QF-DL-WP-SC-ENC

WEATHERPROOF ENCLOSURE

This weatherproof enclosure can assist in providing double-sided signage in wet or dusty areas and to meet local standards. The weatherproof enclosure can be mounted as followed:



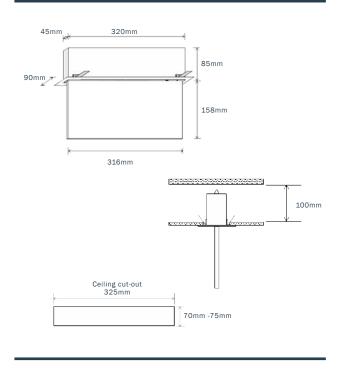
EX-LED-M-RS **QUICK FIT RECESS LED**

COLLABORATING SAFETY WITH STYLE IN AN EMERGENCY BY THE QUICK FIT DESIGN



TECHNICAL SPECIFICATIONS		
MODEL NO:	EX-LED-M-RS	
Mode of Operation:	Maintained	
Lamp:	1.2W White LED module with burning life-span > 50,000 hours	
Rated Duration:	3 Hours	
Mains Supply:	220-240 Volts, 50-60Hz	
Power Consumption:	3W (Total standby power inclusive of LED converter)	
Battery:	High Temperature Nickel Cadmium	
Charger:	Regulated variable rate	
Charge Monitor:	LED	
Test Facility:	Micro switch	
Mounting:	Recessed Ceiling	
Safety Features:	Low battery voltage cut off to prevent over discharge	
Diffuser:	Acrylic plate (fire retardant)	
Fitting Construction:	Injection moulded with fire retardant (UL94), high impact material	
Weight:	Approx. 1.2 Kg	
Dimensions:	243mm (H) x 320mm (W) x 45mm (D)	
Standards / Compliance:	SS IEC 60598-2-22, SS 563	

- Ordering Guide: Single Sided **Double Sided** Legend EX-LED-M-RS-S-RM EX-LED-M-RS-D-RM EX-LED-M-RS-SR-RM EX-LED-M-RS-DR-RM EX-LED-M-RS-SL-RM EX-LED-M-RS-DL-RM EX-LED-M-RS-S EX-LED-M-RS-D EX-LED-M-RS-SR EX-LED-M-RS-DR EX-LED-M-RS-SL EX-LED-M-RS-DL
- · Designed for fast installation and easy maintenance.
- Ultra bright white LEDs meeting ISO safety colour requirements.
- Exceeds SS IEC 60598-2-22 and SS 563 brightness requirements
- · Extra low power consumption
- · High Quality , Long Life SMD LED module
- Series connection of LEDs achieve a high level of uniform light distribution and ensuring maximum life span.
- Low battery voltage cut-off with latch function , to eliminate battery over discharge.
- Durable fire retardant construction (UL 94) to combat corrosion
- Lightweight ergonomics design boost productivity of installers.

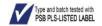












^{***}Note: Technical Specification subject to change without prior notice

EXB-LED-M-WP **WEATHERPROOF LED**

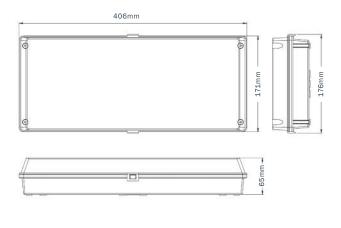
WELL-EQUIPPED EXIT LIGHT THAT DEFIES HARSH ENVIRONMENTAL CONDITIONS.



TECHNICAL SPECIFICATIONS		
MODEL NO:	EXB-LED-M-WP	
Mode of Operation:	Maintained	
Lamp:	1.2W White LED module with burning life-span > 50,000 hours	
Rated Duration:	3 Hours	
Mains Supply:	220-240 Volts, 50-60Hz	
Power Consumption:	3W (Total standby power inclusive of LED converter)	
Battery:	High Temperature Nickel Cadmium	
Charger:	Regulated variable rate	
Charge Monitor:	LED	
Test Facility:	Micro switch	
Mounting:	Surface wall / Semi-recessed wall	
Safety Features:	Low battery voltage cut off to prevent over discharge	
Diffuser:	Injection moulded with fire retardant (UL94), high impact material	
Fitting Construction:	Injection moulded with fire retardant (UL94), high impact material	
Weight:	Approx. 1.2 Kg	
Dimensions:	171mm (H) x 406mm (W) x 65mm (D)	
Standards /	SS IEC 60598-2-22, SS 563	



- Ultra bright white LEDs meeting ISO safety colour requirements.
- Exceeds SS IEC 60598-2-22 and SS 563 brightness requirements
- · Extra low power consumption
- · High Quality , Long Life SMD LED module
- Series connection of LEDs achieve a high level of uniform light distribution and ensuring maximum life span.
- Low battery voltage cut-off with latch function, to eliminate battery over discharge.





CLASS II







IP65

^{***}Note: Technical Specification subject to change without prior notice

EX-LED-M **SLIMLINE LED**

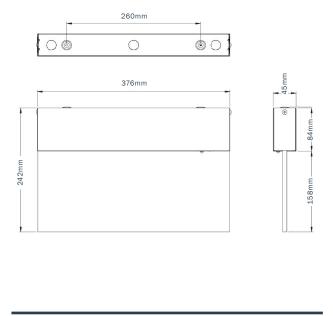
SLIM FRAMELESS EXIT SIGN WITH NUMEROUS INSTALLATION OPTIONS



Ordering Guide:		
Legend	Single Sided	Double Sided
Z,	EX-LED-M-S-RM	EX-LED-M-D-RM
	EX-LED-M-SR-RM	EX-LED-M-DR-RM
← ½	EX-LED-M-SL-RM	EX-LED-M-DL-RM
EXIT	EX-LED-M-S	EX-LED-M-D
EXIT▶	EX-LED-M-SR	EX-LED-M-DR
∢EXIT	EX-LED-M-SL	EX-LED-M-DL

- Ultra bright white LEDs meeting ISO safety colour requirements.
- Exceeds SS IEC 60598-2-22 and SS 563 brightness requirements
- · Extra low power consumption
- · High Quality , Long Life SMD LED module
- Series connection of LEDs provides equal biasing of all LEDs ensures maximum LED life span and uniform light distribution
- Low battery voltage cut-off with latch function, to eliminate battery over discharge.
- · Add-on plate for recess mounting.

TECHNICAL SPECIFICATIONS		
MODEL NO:	EX-LED-M	
Mode of Operation:	Maintained	
Lamp:	1.2W White LED module with burning life-span > 50,000 hours	
Rated Duration:	3 Hours	
Mains Supply:	220-240 Volts, 50-60Hz	
Power Consumption:	3W (Total standby power inclusive of LED converter)	
Battery:	High Temperature Nickel Cadmium	
Charger:	Regulated variable rate	
Charge Monitor:	LED	
Test Facility:	Micro switch	
Mounting:	Surface mount (Recessed mount option available)	
Safety Features:	Low battery voltage cut off to prevent over discharge	
Diffuser:	Acrylic plate (fire retardant)	
Fitting Construction:	Electro galvanized steel. Epoxy powder coating for casing and gear tray	
Weight:	Approx. 1.2 Kg	
Dimensions:	242mm (H) x 376mm (W) x 45mm (D)	
Standards / Compliance:	SS IEC 60598-2-22, SS 563	











^{***}Note: Technical Specification subject to change without prior notice

EXB-LED-M SURFACE BOX LED

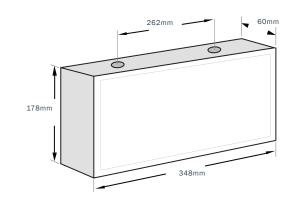
COMPACT AND CLASSIC BOX EXIT LIGHT



TECHNICAL SPECIFICATIONS		
MODEL NO:	EXB-LED-M	
Mode of Operation:	Maintained	
Lamp:	1.2W White LED module with burning life-span > 50,000 hours	
Rated Duration:	3 Hours	
Mains Supply:	220-240 Volts, 50-60Hz	
Power Consumption:	3W (Total standby power inclusive of LED converter)	
Battery:	High Temperature Nickel Cadmium	
Charger:	Regulated variable rate	
Charge Monitor:	LED	
Test Facility:	Micro switch	
Mounting:	Suspended / Surface Ceiling / Suface Wall	
Safety Features:	Low battery voltage cut off to prevent over discharge	
Diffuser:	Acrylic plate (fire retardant)	
Fitting Construction:	Electro galvanized steel. Epoxy powder coating for casing and gear tray	
Weight:	Approx. 1.5 Kg	
Dimensions:	Surface mount: 178mm (H) x 348mm (W) x 60mm (D)	
Standards / Compliance:	SS IEC 60598-2-22, SS 563	



- Ultra bright white LEDs meeting ISO safety colour requirements.
- Exceeds SS IEC 60598-2-22 and SS 563 brightness requirements
- · Extra low power consumption
- · High Quality , Long Life SMD LED module
- Series connection of LEDs provides equal biasing of all LEDs ensures maximum LED life span and uniform light distribution
- Low battery voltage cut-off with latch function, to eliminate battery over discharge.
- High efficiency charger and LED converter
- $\boldsymbol{\cdot}$ Charge indicator and test switch











^{***}Note: Technical Specification subject to change without prior notice

EXB-LED-M-LV **RECESS BOX LED**

LOW LEVEL EXIT LIGHT IMPROVE SAFETY WHEN SMOKE OBSCURE EXIT LIGHT MOUNTED ABOVE THE DOOR



TECHNICAL SPECIFICATIONS		
MODEL NO:	EXB-LED-M-LV	
Mode of Operation:	Maintained	
Lamp:	1.2W White LED module with burning life-span > 50,000 hours	
Rated Duration:	3 Hours	
Mains Supply:	220-240 Volts, 50-60Hz	
Power Consumption:	3W (Total standby power inclusive of LED converter)	
Battery:	High Temperature Nickel Cadmium	
Charger:	Regulated variable rate	
Charge Monitor:	LED	
Test Facility:	Micro switch	
Mounting:	Recessed Wall Mount	
Safety Features:	Low battery voltage cut off to prevent over discharge	
Diffuser:	Acrylic plate (fire retardant)	
Fitting Construction:	Electro galvanized steel. Epoxy powder coating for casing and gear tray	
Weight:	Approx. 1.5 Kg	
Dimensions:	Recess mount: 200mm (H) x 390mm (W) x 65mm (D)	
Standards / Compliance:	SS IEC 60598-2-22, SS 563	

- Ordering Guide:

 Legend Single Sided

 EXB-LED-M-LV-S-RM

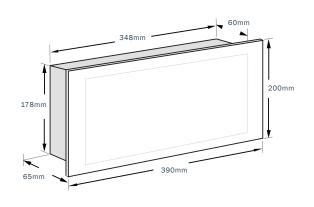
 EXB-LED-M-LV-SR-RM

 EXB-LED-M-LV-SL-RM

 EXB-LED-M-LV-S

 EXB-LED-M-LV-S

 EXB-LED-M-LV-SR
- Ultra bright white LEDs meeting ISO safety colour requirements.
- Exceeds SS IEC 60598-2-22 and SS 563 brightness requirements
- · Extra low power consumption
- · High Quality , Long Life SMD LED module
- Series connection of LEDs provides equal biasing of all LEDs ensures maximum LED life span and uniform light distribution
- Low battery voltage cut-off with latch function, to eliminate battery over discharge.
- High efficiency charger and LED converter
- $\boldsymbol{\cdot}$ Charge indicator and test switch











^{***}Note: Technical Specification subject to change without prior notice

CUSTOMIZED LED

CUSTOMIZED FRAMELESS LED SIGNAGE

- Extra low power consumption
- · High Quality , Long Life SMD LED module
- Series connection of LEDs provides equal biasing of all LEDs ensures maximum LED life span and uniform light distribution
- · Add-on plate for recess mounting.
- · Customization of Legends are available:



TECHNICAL SPECIFICATIONS		
MODEL NO:	CUSTOMISED LED	
Mode of Operation:	Slave	
Lamp:	1.2W White LED module with burning life-span > 50,000 hours	
Mains Supply:	220-240 Volts, 50-60Hz	
Power Consumption:	3W (Total standby power inclusive of LED converter)	
Mounting:	Surface mount (Recessed mount option available)	
Diffuser:	Acrylic plate (fire retardant)	
Fitting Construction:	Electro galvanized steel. Epoxy powder coating for casing and gear tray	
Weight:	Approx. 1.2 Kg	
Dimensions:	242mm (H) x 376mm (W) x 45mm (D)	











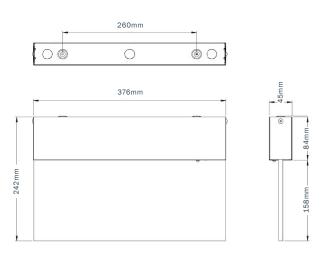














EMERGENCY LUMINAIRE RANGE

Products from our emergency luminaire range are not only stylish but also ensuring that escape routes and exits path within the open area and high risk task are clearly recognisable. Our Recess Emergency Luminaire especially is so discreet and unobtrusive that you will not even realize it's presence but will provide you with the greatest spacing. Most of Powercraft's emergency luminaires have a duration of 3 hours and furthermore when these LEDs are addressed separately from the general lighting, ageing effects are avoided and reliability is increased even further.



REL10NM-LED-CU PAGE 24



REL10NM-LED-CY
PAGE 25



EL-LED2-NM PAGE 37

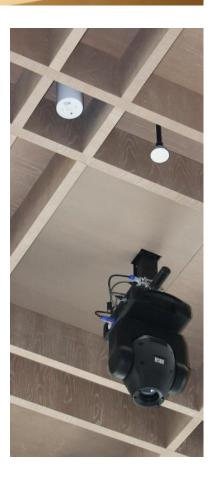


TED10NM PAGE 33

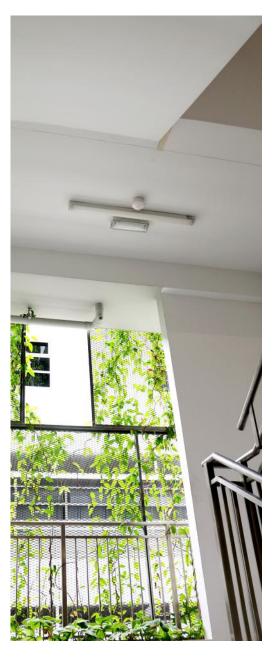












REL10NM-LED-CU RECESS LED

MINIMALIST FUSS-FREE DESIGN AND YET HIGHLY EFFICIENT



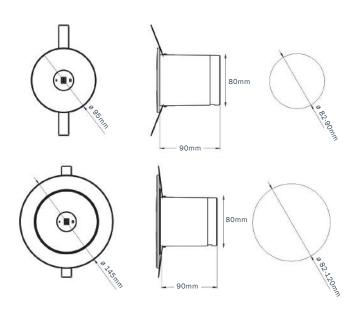
TECHNICAL SPECIFICATIONS		
MODEL NO:	REL10NM-LED-CU	
Mode of Operation:	Non-Maintained	
Lamp:	3W White LED	
Rated Duration:	3 Hours	
Mains Supply:	220-240 Volts, 50-60Hz	
Power Consumption:	< 1.5W	
Battery:	High Temperature Nickel Cadmium	
Charger:	Regulated variable rate	
Charge Monitor:	LED	
Test Facility:	Micro switch	
Safety Features:	Low battery voltage cut off to prevent over discharge	
Fitting Construction:	Injection moulded with fire retardant (UL94), high impact material	
Weight:	Approx. 0.4 Kg	
Standards / Compliance:	SS IEC 60598-2-22, SS 563, IEC 61347-2-7, IEC 61347-2-13	

Ordering Guide:

Ordering Code

REL10NM-LED-CU

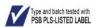
- All In One Compact design for fast installation and easy maintenance.
- Energy savings; Extra low standby power consumption
- Durable fire retardant housing (UL 94) to combat corrosion
- Perfect as Escape Route lighting and Anti-Panic Lighting.
- Maximum Efficiency and perfect light distribution that result to very wide spacing thus lesser number of emergency luminaires are needed in conformity with relevant standards.











^{***}Note: Technical Specification subject to change without prior notice

REL10NM-LED-CY SURFACE LED

SURFACE MOUNT LED DESIGN WITHOUT COMPROMISING ON PERFORMANCE.



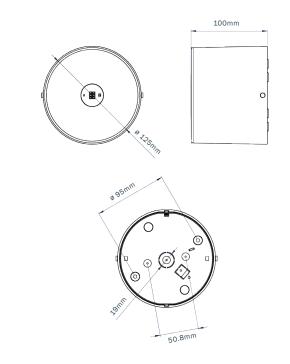
TECHNICAL SPECIFICATIONS		
MODEL NO:	REL10NM-LED-CY	
Mode of Operation:	Non-Maintained	
Lamp:	3W White LED	
Rated Duration:	3 Hours	
Mains Supply:	220-240 Volts, 50-60Hz	
Power Consumption:	< 1.5W	
Battery:	High Temperature Nickel Cadmium	
Charger:	Regulated variable rate	
Charge Monitor:	LED	
Test Facility:	Micro switch	
Safety Features:	Low battery voltage cut off to prevent over discharge	
Fitting Construction:	Injection moulded with fire retardant (UL94), high impact material	
Weight:	Approx. 0.4 Kg	
Standards / Compliance:	SS IEC 60598-2-22, SS 563, IEC 61347-2-7, IEC 61347-2-13	

Ordering Guide:

Ordering Code

REL10NM-LED-CY

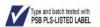
- All In One Compact design for fast installation and easy maintenance.
- Energy savings; Extra low standby power consumption
- Durable fire retardant housing (UL 94) to combat corrosion
- Perfect as Escape Route lighting and Anti-Panic Lighting.
- Maximum Efficiency and perfect light distribution that result to very wide spacing thus lesser number of emergency luminaires are needed in conformity with relevant standards.











^{***}Note: Technical Specification subject to change without prior notice

REL20NM-LED **RECESS LED**

BRIGHTEST STAR THAT SHINES IN EVERY ARCHITECT'S DREAM.





So discreet and unobtrusive that you will not even realize it's presence BUT will provide you the greatest spacing.

TECHNICAL SPECIFICATIONS MODEL NO: **REL20NM-LED** Mode of Operation: Non-Maintained Lamp: 3W White LED Rated Duration: 3 Hours 220-240 Volts, 50-60Hz Mains Supply: Power Consumption: < 1.5WBattery: High Temperature Nickel Cadmium Regulated variable rate Charger: LED Charge Monitor: Test Facility: Micro switch Safety Features: Low battery voltage cut off to prevent over discharge Fitting Construction: Aluminium epoxy powder coated reflector, galvanised zinc coated charger housing Weight: Approx. 0.3 Kg Standards / SS IEC 60598-2-22, Compliance: SS 563

Ordering Guide:

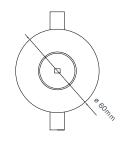
Ordering Code

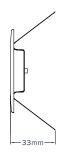
REL20NM-LED-60mm

REL20NM-LED-120mm

- · Very wide spacing, double of traditional 10W halogen.
- Save up to 2/3 of the number of fittings used.
- Energy savings, extra low standby power consumption.
- · Slim casing , fit through 50mm hole.
- · Easy Installation and low maintenance

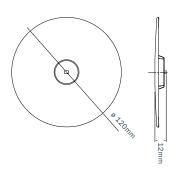
60mm Reflector

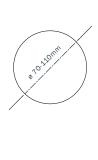






120mm Reflector





REL20NM-LED











^{***}Note: Technical Specification subject to change without prior notice

REL20NM-LED SELF-CONTAINED / SUSTAINED LED

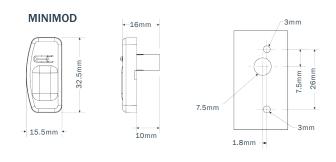
DESIGNED TO DISCREETLY BLEND IN WITH YOUR GENERAL LIGHTING.



- Prevents damage to fluorescent or LED lamps as it is independent from voltage and output from the general lighting
- Optimal and uniform light point spacing for anti-panic luminaires and escape route luminaires can be achieve.
- Reliability of the emergency modules is increased as the LED modules are addressed separately from the general lighting therefore aging effects are avoided.
- · Easy wiring and full compatibility.

TECHNICAL SPECIFICATIONS	
MODEL NO:	REL20NM-LED
Mode of Operation:	Non-Maintained
Lamp Module:	MINIMOD: 3W, MOD: 3W, Slide on Module: 4W
Rated Duration:	3 Hours
Mains Supply:	220-240 Volts, 50-60Hz
Power Consumption:	< 1.5W
Battery:	High Temperature Nickel Cadmium
Charger:	Regulated variable rate
Charge Monitor:	LED
Test Facility:	Micro switch
Safety Features:	Low battery voltage cut off to prevent over discharge
Fitting Construction:	Galvanised zinc coated charger housing
Weight:	Approx. 0.3 Kg
Standards / Compliance:	SS IEC 60598-2-22, SS 563

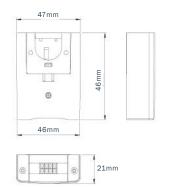
Ordering Guide: Ordering Code REL20NM-LED-MINIMOD REL20NM-LED-MOD REL20NM-LED-SL



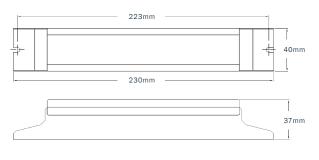
15.9mm 26mm

Slide on Module

MOD



REL20NM-LED











^{***}Note: Technical Specification subject to change without prior notice

REL50NM-LED **RECESS LED**

HIGH PERFORMANCE RECESS LED ENSURE PERFECT LIGHT DISTRIBUTION FOR AREAS WITH HIGH CEILING.



TECHNICAL SPECIFICATIONS	
MODEL NO:	REL50NM-LED
Mode of Operation:	Non-Maintained
Lamp:	10W White LED
Rated Duration:	2 Hours
Mains Supply:	220-240 Volts, 50-60Hz
Power Consumption:	2.5W
Battery:	High Temperature Nickel Cadmium
Charger:	Regulated variable rate
Charge Monitor:	LED
Test Facility:	Micro switch
Safety Features:	Low battery voltage cut off to prevent over discharge
Fitting Construction:	Aluminium epoxy powder coated reflector, Steel (Charger Housing)
Weight:	Approx. 1.3 Kg
Standards / Compliance:	IEC 61347-2-13, IEC 62384, SS 563

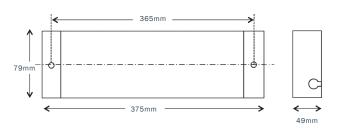
Ordering Guide:

Ordering Code

Non- Maintained REL

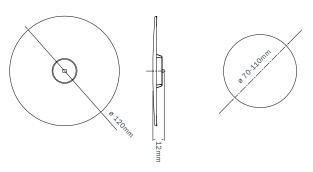
REL50NM-LED-120mm

- · Very Wide Spacing
- Energy savings, extra low standby power consumption
- · Suitable for high ceiling recess mounting.
- Applicable to areas which require higher illuminance levels than the existing IEC standards or Singapore Standards.
- Able to provide perfect light distribution with maximum efficiency even for ceiling height which are more than 10 meters.
- · Perfect as escape route lighting and anti-panic lighting.





120mm Reflector











^{***}Note: Technical Specification subject to change without prior notice

REL50M-LED RECESS LED

HIGH PERFORMANCE RECESS LED ENSURE PERFECT LIGHT DISTRIBUTION FOR AREAS WITH HIGH CEILING.



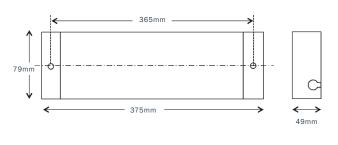
TECHNICAL SPECIFICATIONS	
MODEL NO:	REL50M-LED
Mode of Operation:	Maintained
Lamp:	10W White LED
Rated Duration:	2 Hours
Mains Supply:	220-240 Volts, 50-60Hz
Power Consumption:	12.5W
Battery:	High Temperature Nickel Cadmium
Charger:	Regulated variable rate
Charge Monitor:	LED
Test Facility:	Micro switch
Safety Features:	Low battery voltage cut off to prevent over discharge
Fitting Construction:	Aluminium epoxy powder coated reflector, Steel (Charger Housing)
Weight:	Approx. 1.3 Kg
Standards / Compliance:	IEC 61347-2-13, IEC 62384, SS 563

Ordering Guide:

Ordering Code

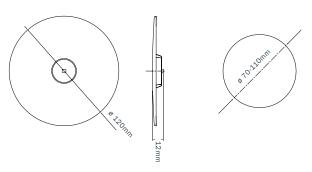
Maintained REL50M-LED-120mm

- Very Wide Spacing
- Energy savings, extra low standby power consumption
- · Suitable for high ceiling recess mounting.
- Applicable to areas which require higher illuminance levels than the existing IEC standards or Singapore Standards.
- Able to provide perfect light distribution with maximum efficiency even for ceiling height which are more than 10 meters.
- · Perfect as escape route lighting and anti-panic lighting.





120mm Reflector











REL50NM-LED-CY SURFACE LED

HIGH PERFORMANCE SURFACE LED ENSURES PERFECT LIGHT DISTRIBUTION FOR AREAS WITH HIGH CEILING

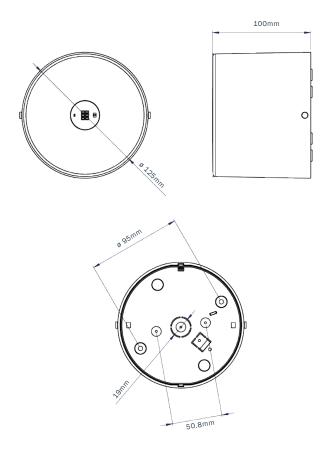


TECHNICAL SPECIFICATIONS	
MODEL NO:	REL50NM-LED-CY
Mode of Operation:	Non-Maintained
Lamp:	10W White LED
Rated Duration:	2 Hours
Mains Supply:	220-240 Volts, 50-60Hz
Power Consumption:	< 3.0W
Battery:	High Temperature Nickel Cadmium
Charger:	Regulated variable rate
Charge Monitor:	LED
Test Facility:	Micro switch
Safety Features:	Low battery voltage cut off to prevent over discharge
Fitting Construction:	Injection moulded with fire retardant (UL94), high impact material
Weight:	Approx. 0.7 Kg
Standards / Compliance:	SS IEC 60598-2-22, SS 563, IEC 61347-2-7, IEC 61347-2-13

Ordering Guide: Ordering Code

REL50NM-LED-CY

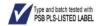
- · Very Wide Spacing
- Energy savings, extra low standby power consumption
- · Suitable for high ceiling surface mounting.
- Applicable to areas which require higher illuminance levels than the existing IEC standards or Singapore Standards.
- Able to provide perfect light distribution with maximum efficiency even for ceiling height which are more than 10 meters.
- · Perfect as escape route lighting and anti-panic lighting.











^{***}Note: Technical Specification subject to change without prior notice

ELD1NM SELF-CONTAINED / SUSTAINED LED

(with MINIMOD, MOD, SLIDE ON MODULE)

DESIGNED TO DISCREETLY INCREASE RELIABILITY AND AVOID AGEING EFFECTS



- Prevents damage to fluorescent or LED lamps as it is independent from voltage and output from the general lighting
- Optimal and uniform light point spacing for anti-panic luminaires and escape route luminaires can be achieve.
- Reliability of the emergency modules is increased as the LED modules are addressed separately from the general lighting therefore aging effects are avoided.
- Easy wiring and full compatibility.

TECHNICAL SPECIFICATIONS	
MODEL NO:	ELD1NM
Mode of Operation:	Non-Maintained
Lamp Module:	MINIMOD: 3W, MOD: 3W, Slide on Module: 4W
Rated Duration:	3 Hours
Mains Supply:	220-240 Volts, 50-60Hz
Power Consumption:	< 1.5W
Battery:	High Temperature Nickel Cadmium
Charge Monitor:	LED
Test Facility:	Micro switch
Safety Features:	Low battery voltage cut off to prevent over discharge
Fitting Construction:	Injection moulded with fire retardant, high impact material
Weight:	Approx. 0.3 Kg
Standards / Compliance:	SS IEC 60598-2-22

^{***}Note: Technical Specification subject to change without prior notice

Ordering Guide:

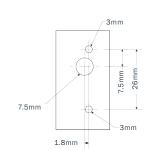
Ordering Code

ELD1NM-S ELD1NM-MINIMOD ELD1NM-MOD

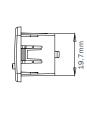
MINIMOD

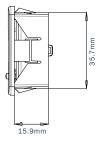


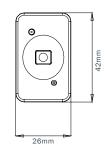




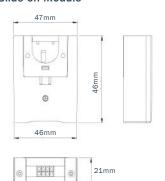
MOD







Slide on Module



ELD1NM

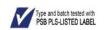












ELD2NM **SLIDE ON LED**

DESIGNED TO DISCREETLY BLEND IN WITH YOUR GENERAL LIGHTING EVEN WITH HIGH CEILING







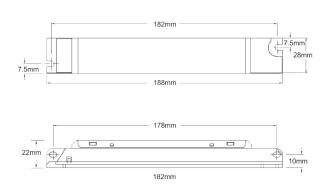
TECHNICAL SPECIFICATIONS	
MODEL NO:	ELD2NM
Mode of Operation:	Non-Maintained
Lamp:	3 x 3W LED Modules
Rated Duration:	2 Hours
Mains Supply:	220-240 Volts, 50-60Hz
Power Consumption:	< 1.5W
Battery:	High Temperature Nickel Cadmium
Charge Monitor:	LED
Test Facility:	Micro switch
Safety Features:	Low battery voltage cut off to prevent over discharge
Fitting Construction:	Injection moulded with fire retardant, high impact material
Weight:	Approx. 0.3 Kg
Standards / Compliance:	SS IEC 60598-2-22

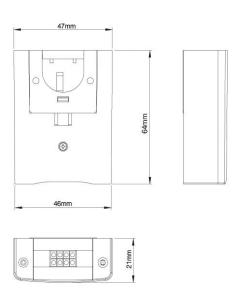
Ordering Guide:

Ordering Code

ELD2NM-S

- Prevents damage to fluorescent or LED lamps as it is independent from voltage and output from the general lighting
- Reliability of the emergency modules is increased as the LED modules are addressed separately from the general lighting therefore aging effects are avoided.
- · Easy wiring and full compatibility.
- Suitable for high ceiling and is applicable to areas which require higher illuminance levels than the existing IEC standards or Singapore Standards.







TED10NM TWIN-SPOT LED

ADJUSTABLE LENS OF OUR
TWIN-SPOT IS PERFECT FOR HIGH
RISK APPLICATIONS AND LARGE
OPEN AREAS.



TECHNICAL SPECIFICATIONS	
MODEL NO:	TED10NM
Mode of Operation:	Non-Maintained
Lamp:	2 x 3W Power LED Module
Rated Duration:	2 Hours (3 Hours on request)
Mains Supply:	220-240 Volts, 50-60Hz
Power Consumption:	< 1.5W
Battery:	High Temperature Nickel Cadmium
Charger:	Regulated variable rate
Charge Monitor:	LED
Test Facility:	Micro switch
Safety Features:	Low battery voltage cut off to prevent over discharge
Fitting Construction:	Moulded Fire retardant (UL94) housing and diffuser.
Weight:	Approx. 1.5 Kg
Dimensions:	310mm (W) x 140mm (H) x 105mm (D)
Standards / Compliance:	SS IEC 60598-2-22, SS 563

Ordering Guide:

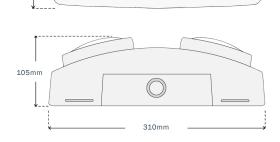
Ordering Code

TED10NM

TED10NM (c/w weatherproof enclosure)

- Snap in design ensures fast installation and easy maintenance.
- Fire Retardant (UL94) housing and UV stabilized diffuser
- Low Heat generation, ensures long and reliable service life.
- Low battery voltage cut-off with latch function, to eliminate battery over discharge.
- Charge LED indicator and test switch available
- Perfect to use in large open areas and high risk task areas.
- Adjustable lens optimum for matching light output to applications.
- · Weatherproof (IP65) enclosure is available.



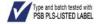




140mr







TED10NM (WP) WEATHERPROOF TWIN-SPOT LED

OUR WEATHERPROOF TWIN-SPOT IS WELL PREPARED IN HARSH ENVIRONMENTAL CONDITIONS.



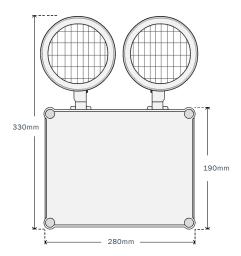
TECHNICAL SPECIFICATIONS	
MODEL NO:	TED10NM (WP)
Mode of Operation:	Non-Maintained
Lamp:	2 x 3W Power LED Module
Rated Duration:	2 Hours
Mains Supply:	220-240 Volts, 50-60Hz
Power Consumption:	< 1.5W
Battery:	High Temperature Nickel Cadmium
Charger:	Regulated variable rate
Charge Monitor:	LED
Test Facility:	Momentary test switch
Safety Features:	Low battery voltage cut off to prevent over discharge
Fitting Construction:	Moulded Fire retardant (UL94) housing and diffuser.
Weight:	Approx. 2.5 Kg
Dimensions:	330mm (W) x 280mm (H) x 130mm (D)
Standards / Compliance:	SS IEC 60598-2-22, SS 563

Ordering Guide:

Ordering Code

TED10NM(WP)

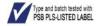
- Low Heat generation, ensures long and reliable service life.
- Low battery voltage cut-off with latch function, to eliminate battery over discharge.
- · Charge LED indicator and test switch available
- Weatherproof design suitable for outdoor applications and high risk task areas.
- Adjustable lens optimum for matching light output to applications.











^{***}Note: Technical Specification subject to change without prior notice

EL28NM/1A T5 FLOURESCENT BULKHEAD

LOW MAINTENANCE EMERGENCY BULK-HEAD IDEAL FOR BOTH EXTERIOR AND INTERIOR AREAS

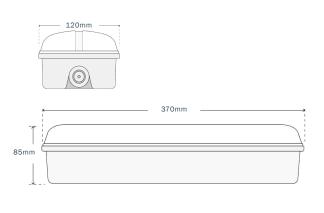


TECHNICAL SPECIFICATIONS	
MODEL NO:	EL28NM/1A
Mode of Operation:	Non-Maintained
Lamp:	2 x 8W T5 Flourescent Lamp
Rated Duration:	2 Hours (3 Hours on request)
Mains Supply:	220-240 Volts, 50-60Hz
Power Consumption:	< 4.0W
Battery:	High Temperature Nickel Cadmium
Charger:	Variable rate, short circuit protected
Charge Monitor:	LED
Degree of Protection (Against Dust and Moisture)	IP54 (IP65 with test switch mounted internally)
Test Facility:	Momentary Test Switch
Safety Features:	Low battery voltage cut off to prevent over discharge
Fitting Construction:	Injection moulded with fire retardant (UL94), high impact material
Weight:	Approx. 1.0 Kg
Dimensions:	370mm (W) x 120mm (H) x 85mm (D)
Standards / Compliance:	SS IEC 60598-2-22, SS 563

Ordering Guide: Ordering Code

EL28NM/1A

- Fire Retardant (UL94) housing and UV stabilized Diffuser
- Low Heat generation, ensures long and reliable service life.
- Low battery voltage cut-off with latch function, to eliminate battery over discharge.
- · Charge LED indicator and test switch available
- Weatherproof design suitable for indoor and outdoor applications
- Optimal for anti-panic (open area) and escape route lighting applications.





CLASS I





IP65

^{***}Note: Technical Specification subject to change without prior notice

EL-LED1-M *LED BULKHEAD*

LOW MAINTENANCE EMERGENCY BULKHEAD IDEAL FOR BOTH EXTERIOR AND INTERIOR AREAS



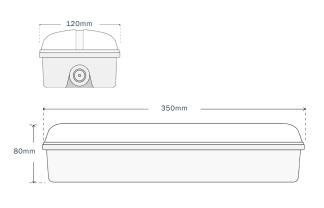
TECHNICAL SPECIFICATIONS	
MODEL NO:	EL-LED1-M
Mode of Operation:	Maintained
Lamp:	LED Module
Rated Duration:	2 Hours (3 Hours on request)
Mains Supply:	220-240 Volts, 50-60Hz
Power Consumption:	10W
Battery:	High Temperature Nickel Cadmium
Charger:	Regulated variable rate, Short circuit protected
Charge Monitor:	LED
Degree of Protection (Against Dust and Moisture)	IP54 (IP65 with test switch mounted internally)
Test Facility:	Momentary Test Switch
Safety Features:	Low battery voltage cut off to prevent over discharge
Fitting Construction:	Injection moulded with fire retardant (UL94), high impact material
Weight:	Approx. 1.0 Kg
Dimensions:	350mm (W) x 120mm (H) x 80mm (D)

Ordering Guide:

Ordering Code

EL-LED1/M

- Fire Retardant (UL94) housing and UV stabilized Opal Diffuser
- Low Heat generation, ensures long and reliable service life.
- Low battery voltage cut-off with latch function, to eliminate battery over discharge.
- Charge LED indicator and test switch available
- Weatherproof design suitable for indoor and outdoor applications
- Optimal for anti-panic (open area) and escape route lighting applications.
- · High Quality, Long Life LED module.





CLASS II IP65

EL-LED2-NM **LED BULKHEAD**

LOW MAINTENANCE EMERGENCY BULKHEAD IDEAL FOR BOTH EXTERIOR AND INTERIOR AREAS



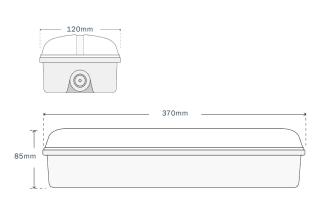
TECHNICAL SPECIFICATIONS		
MODEL NO:	EL-LED2-NM	
Mode of Operation:	Non-Maintained	
Lamp:	2 x 3W Power LED Module	
Rated Duration:	2 Hours (3 Hours on request)	
Mains Supply:	220-240 Volts, 50-60Hz	
Power Consumption:	< 1.5W	
Battery:	High Temperature Nickel Cadmium	
Charger:	Regulated variable rate, Short circuit protected	
Charge Monitor:	LED	
Degree of Protection (Against Dust and Moisture)	IP54 (IP65 with test switch mounted internally)	
Test Facility:	Momentary Test Switch	
Safety Features:	Low battery voltage cut off to prevent over discharge	
Fitting Construction:	Injection moulded with fire retardant (UL94), high impact material	
Weight:	Approx. 1.0 Kg	
Dimensions:	370mm (W) x 120mm (H) x 85mm (D)	
Standards / Compliance:	SS IEC 60598-2-22, SS 563	

Ordering Guide:

Ordering Code

EL-LED2/NM

- Fire Retardant (UL94) housing and UV stabilized Diffuser
- Low Heat generation, ensures long and reliable service life.
- Low battery voltage cut-off with latch function, to eliminate battery over discharge.
- Charge LED indicator and test switch available
- Weatherproof design suitable for indoor and outdoor applications
- Optimal for anti-panic (open area) and escape route lighting applications.
- · High Quality, Long Life LED module.













IP65

CONVERSION KITS

Powercraft's Conversion Kits are designed to be used with various types of fluorescent and LED lamps and can deliver optimum performance in the event of a mains failure by providing sufficient light level. These conversion kits have a low standby power consumption that ensure reliability and a longer shelf life. Most of our conversion kits have short-circuit protection as well. With the low-profile casing that we provide, our conversion kits are one of the slimmest in the market therefore they are usually concealed in fluorescent and LED fittings very easily.









ECP36 **PROFESSIONAL RANGE**

OUR ECP CONVERSION KIT COMES WITH FILAMENT CONDITIONING THAT PREVENTS PREMATURE FILAMENT DAMAGE



- Filament Conditioning prevents premature filament damage (Black Ends)
- Four pole relay configuration at lamp for total isolation.
- · Suitable for T5, T8, CFL and 2D fluorescent lamps.
- · Short-circuit protection at battery terminals.
- · IC controlled dual rate charging.
- · Automatically activated in the event of power cuts

223mm

• Offer a good luminous flux to facilitate the evacuation.

TECHNICAL SPECIFICATIONS		
MODEL NO:	ECP36	
Mode of Operation:	Maintained / Non-Maintained	
Lamp Type:	T5, T8 Flourescent, 4 Pin CFL and 2D Lamps	
Rated Duration:	3 Hours	
Mains Supply:	220-240 Volts, 50-60Hz	
Supply Current:	20mA - 35mA	
Power Consumption:	< 4.5W	
Trickle Charge:	125mA	
Battery Charger:	Dual Rate	
Battery Protection:	Low battery voltage cut off to prevent over discharge	
Battery Type:	High Temperature Nickel Cadmium	
Charge Monitor:	LED	
Test Facility:	Momentary test switch	
Casing Construction:	Electro-galvanised steel	
Max. Casing Temp, Tc:	70°C	
Max. Ambient Temp, Ta:	50°C	
Standards / Compliance:	IEC 61347-2-7 (SS 490-2-7), SS 563	

			40mm
	23	Omm	37mm
⊐() Linear	4 Pin CFL	2D	Circular
		.	



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Ordering Guide:			
Ordering Code	Battery Type	Battery Configuration	
ECP36/240/4.8/2.5-A	NiCd 4.8V 2.5AH	Cane	
ECP36/240/4.8/2.5-S	NiCd 4.8V 2.5AH	Side by side	
ECP36/240/4.8/4.5-A	NiCd 4.8V 4.5AH	Cane	
ECP36/240/4.8/4.5-A+A	NiCd 4.8V 4.5AH	Cane + Cane	

^{***}Note: Technical Specification subject to change without prior notice

ECS36/240 STANDARD RANGE



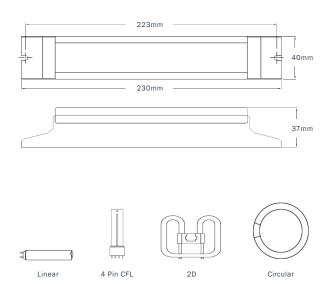
TECHNICAL SPECIFICATIONS MODEL NO: ECS36 Mode of Operation: Maintained / Non-Maintained Lamp Type: T5, T8, 4 Pin CFL and 2D Flourescent Lamps Rated Duration: 1 Hour / 2 Hours / 3 Hours 220-240 Volts, 50-60Hz Mains Supply: Supply Current: 20mA - 35mA Power Consumption: < 4.5WTrickle Charge: 80mA Battery Charger: **Dual Rate Battery Protection:** Low battery voltage cut off to prevent over discharge Battery Type: High Temperature Nickel Cadmium Charge Monitor: Test Facility: Momentary test switch Casing Construction: Electro-galvanised steel Max. Casing Temp, Tc: 70°C Max. Ambient Temp, Ta: 50°C IEC 61347-2-7 (SS 490-2-7),

Ordering Guide:			
Ordering Code	Battery Type	Battery Configuration	
ECS36/240/4.8/1.6-A	NiCd 4.8V 1.6AH	Cane	
ECS36/240/4.8/1.6-S	NiCd 4.8V 1.6AH	Side by side	
ECS36/240/4.8/2.5-A	NiCd 4.8V 2.5AH	Cane	
ECS36/240/4.8/2.5-S	NiCd 4.8V 2.5AH	Side by side	
ECS36/240/4.8/4.5-A	NiCd 4.8V 4.5AH	Cane	
ECS36/240/4.8/4.5-A+A	NiCd 4.8V 4.5AH	Cane + Cane	

SS 563

OUR ECS CONVERSION KIT IS DEVELOPED TO ENSURE SAFE EVACUATION OF ALL BUILDINGS.

- · Suitable for T5, T8, CFL and 2D fluorescent lamps.
- Low standby power consumption of < 4.5W
- · Short-circuit protection at battery terminals.
- · IC controlled dual rate charging.
- · Automatically activated in the event of power cuts
- · Offer a good luminous flux to facilitate the evacuation.





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Standards / Compliance:

^{***}Note: Technical Specification subject to change without prior notice

ECL2/240 LOW PROFILE RANGE

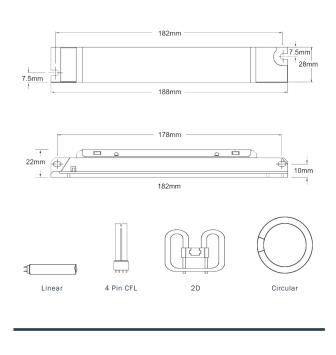


OUR SLIMMEST CONVERSION KIT THAT CAN BE EASILY CONCEALED IN THE FLUORESCENT FITTING.

- · Suitable for T5, T8, CFL and 2D fluorescent lamps.
- · Extra low standby power consumption.
- · Short-circuit protection.
- · Five-pole relay configuration.
- Low-profile casing (22mm x 28mm cross-section)
- Ballast control output ensures compatibility with most high frequency ballast.
- · Automatically activated in the event of power cuts
- Offer a good luminous flux to facilitate the evacuation.

TECHNICAL SPECIFICATIONS			
MODEL NO:	ECL2		
Mode of Operation:	Maintained / Non-Maintained		
Lamp Type:	T5, T8, 4 Pin CFL and 2D Flourescent Lamps		
Rated Duration:	1 Hour / 2 Hours		
Mains Supply:	220-240 Volts, 50-60Hz (110-240V on request)		
Supply Current:	20mA		
Power Consumption:	< 2.0W		
Trickle Charge:	80mA / 125mA		
Battery Charger:	Regulated Variable Rate		
Battery Protection:	Low battery voltage cut off to prevent over discharge		
Battery Type:	High Temperature Nickel Cadmium / Nickel-Metal Hydride		
Charge Monitor:	LED		
Test Facility:	Momentary test switch		
Casing Construction:	Electro-galvanised steel		
Max. Casing Temp, Tc:	70°C		
Max. Ambient Temp, Ta:	50°C		
Standards / Compliance:	IEC 61347-2-7 (SS 490-2-7), SS 563		

Ordering Guide:		
Ordering Code	Battery Type	Battery Configuration
ECL1/240/3.6/1.6-S	NiCd 3.6V 1.6AH	Side by side
ECL1/240/3.6/2.5-A	NiCd 3.6V 2.5AH	Cane
ECL2/240/4.8/1.3-S	NiMh 4.8V 1.3AH	Side by side
ECL2/240/4.8/1.6-A	NiCd 4.8V 1.6AH	Cane
ECL2/240/4.8/1.6-S	NiCd 4.8V 1.6AH	Side by side
ECL2/240/4.8/2.5-A	NiCd 4.8V 2.5AH	Cane
ECL2/240/4.8/2.5-S	NiCd 4.8V 2.5AH	Side by side
ECL2/120-240/4.8/2.5-A	NiCd 4.8V 2.5AH	Cane
ECL2/120-240/4.8/2.5-S	NiCd 4.8V 2.5AH	Side by side





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^{***}Note: Technical Specification subject to change without prior notice

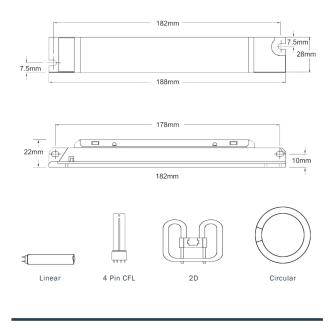
ECL4/240 LOW PROFILE RANGE



OUR SLIMMEST CONVERSION KIT THAT CAN BE EASILY CONCEALED IN THE FLUORESCENT FITTING.

- · Suitable for T5, T8, CFL and 2D fluorescent lamps.
- · Extra low standby power consumption.
- · Short-circuit protection.
- Five-pole relay configuration.
- Low-profile casing (22mm x 28mm cross-section)
- Ballast control output ensures compatibility with most high frequency ballast.
- · Automatically activated in the event of power cuts
- Offer a good luminous flux to facilitate the evacuation.

TECHNICAL SPECIFICATIONS			
MODEL NO:	ECL4		
Mode of Operation:	Maintained / Non-Maintained		
Lamp Type:	T5, T8, 4 Pin CFL and 2D Flourescent Lamps		
Rated Duration:	3 Hours		
Mains Supply:	220-240 Volts, 50-60Hz (110-240V on request)		
Supply Current:	20mA		
Power Consumption:	< 2.0W		
Trickle Charge:	125mA / 225mA		
Battery Charger:	Regulated Variable Rate		
Battery Protection:	Low battery voltage cut off to prevent over discharge		
Battery Type:	High Temperature Nickel Cadmium		
Charge Monitor:	LED		
Test Facility:	Momentary test switch		
Casing Construction:	Electro-galvanised steel		
Max. Casing Temp, Tc:	70°C		
Max. Ambient Temp, Ta:	50°C		
Standards / Compliance:	IEC 61347-2-7 (SS 490-2-7), SS 563		





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Ordering Guide:

Ordering Code Battery Type Battery Configuration

ECL4/240/4.8/4.5-A NiCd 4.8V 4.5AH Cane

ECL4/240/4.8/4.5-A+A NiCd 4.8V 4.5AH Cane + Cane

ECL-LED1 *LED RANGE*

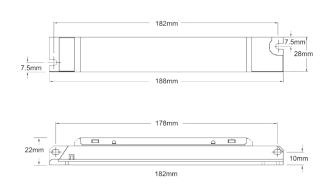


OUR SLIMMEST LED CONVERSION KIT THAT IS COMPACT AND EFFICIENT.

- · LED Load.
- Extra low standby power consumption.
- Low-profile casing (22mm x 28mm cross-section)
- Suitable for a wide range LED load voltage range
- Regulated charger output
- Able to power a LED light fitting at a reduce luminous flux for two hours or more
- · Automatically activated in the event of power cuts
- Offer a good luminous flux to facilitate the evacuation.

TECHNICAL SPECIFICATIONS		
MODEL NO:	ECL-LED 1	
Mode of Operation:	Maintained / Non-Maintained	
Lamp Type:	3 - 70V LED Load	
Rated Duration:	2 Hours / 3 Hours	
Mains Supply:	220-240 Volts, 50-60Hz	
Supply Current:	20mA	
Power Consumption:	< 2.0W	
Trickle Charge:	80mA / 125mA	
Battery Charger:	Regulated variable rate	
Battery Protection:	Low battery voltage cut off to prevent over discharge	
Battery Type:	High Temperature Nickel Cadmium	
Charge Monitor:	LED	
Test Facility:	Momentary test switch	
Casing Construction:	Electro-galvanised steel	
Max. Casing Temp, Tc:	70°C	
Max. Ambient Temp, Ta:	50°C	
Standards / Compliance:	IEC 61347-2-7 (SS 490-2-7), SS 563, IEC 61347-2-13, IEC 62384	

Ordering Guide:		
Ordering Code	Battery Type	Battery Configuration
ECL-LED1/240/3.6/1.6-A	NiCd 3.6V 1.6AH	Cane
ECL-LED1/240/3.6/1.6-S	NiCd 3.6V 1.6AH	Side by side
ECL-LED1/240/3.6/2.5-A	NiCd 3.6V 2.5AH	Cane
ECL-LED1/240/3.6/2.5-S	NiCd 3.6V 2.5AH	Side by side





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^{***}Note: Technical Specification subject to change without prior notice

ECL-LED2 LED RANGE



OUR SLIMMEST LED CONVERSION KIT THAT IS COMPACT AND EFFICIENT.

- · LED Load.
- Extra low standby power consumption.
- Low-profile casing (22mm x 28mm cross-section)
- Suitable for a wide range LED load voltage range
- Regulated charger output
- · Able to power a LED light fitting at a reduce luminous flux for two hours or more
- · Automatically activated in the event of power cuts
- · Offer a good luminous flux to facilitate the evacuation.

TECHNICAL SPECIFICATIONS		
MODEL NO:	ECL-LED 2	
Mode of Operation:	Maintained / Non-Maintained	
Lamp Type:	3 - 70V LED Load	
Rated Duration:	2 Hours	
Mains Supply:	220-240 Volts, 50-60Hz	
Supply Current:	40mA	
Power Consumption:	< 4.0W	
Trickle Charge:	125mA / 225mA	
Battery Charger:	Regulated variable rate	
Battery Protection:	Low battery voltage cut off to prevent over discharge	
Battery Type:	High Temperature Nickel Cadmium	
Charge Monitor:	LED	
Test Facility:	Momentary test switch	
Casing Construction:	Electro-galvanised steel	
Max. Casing Temp, Tc:	70°C	
Max. Ambient Temp, Ta:	50°C	
Standards / Compliance:	IEC 61347-2-7 (SS 490-2-7), SS 563, IEC 61347-2-13, IEC 62384	

	7.5mm	+	188mm		
	22mm		178mm	۵	<u> </u>
7	F/	CLASS I	TUV SGD		









	Ordering Guide:						
Ordering Code		Battery Type	Battery Configuration				
	ECL-LED2/240/4.8/2.5-A	NiCd 4.8V 2.5AH	Cane				
	ECL-LED2/240/4.8/2.5-S	NiCd 4.8V 2.5AH	Side by side				
	ECL-LED2/240/4.8/4.5-A	NiCd 4.8V 4.5AH	Cane				
	ECL-LED2/240/4.8/4.5-A+A	NiCd 4.8V 4.5AH	Side by side				

ECP-LED4 LED RANGE

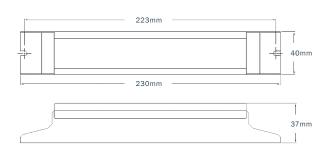
OUR ECP-LED CONVERSION KIT IS SUITABLE FOR A WIDE RANGE OF **LED FITTINGS**



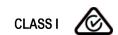
- · AC LED Load
- Suitable for a wide range of AC LED Tube, Down lights.
- Short-circuit protection at battery terminals.
- Extra low standby power consumption.
- · Able to power a LED light fitting at a reduce luminous flux for two hours or more
- · High Temperature 70 °C Li-lon battery
- · Automatically activated in the event of power cuts
- \cdot Offer a good luminous flux to facilitate the evacuation.

TECHNICAL SPECIFICATIONS						
MODEL NO:	ECP-LED4					
Mode of Operation:	Maintained / Non-Maintained					
Lamp Type:	AC LED Tube 180-240 Volts AC, 22W (max)					
Rated Duration:	1hours / 2 Hours					
Mains Supply:	220-240 Volts, 50-60Hz					
Supply Current:	30mA					
Power Consumption:	3W					
Battery Charger:	Regulated variable rate					
Battery Protection:	Low battery voltage cut off to					
	prevent over discharge					
Battery Type:	High Temperature Li-ion (LiPoFe4)					
Charge Monitor:	LED					
Test Facility:	Momentary test switch					
Casing Construction:	Electro-galvanised steel					
Max. Casing Temp, Tc:	70°C					
Max. Ambient Temp, Ta:	50°C					

Ordering Guide:							
Ordering Code	Battery Type	Battery Configuration					
ECP-LED4/240/12.8/1.5AH	Li-ion 12.8V/1.5AH	Cane					
ECP-LED4/240/12.8/3.2AH	Li-ion 12.8V/3.2AH	Cane					





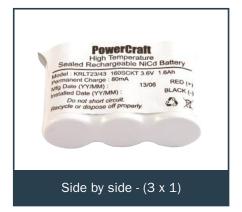


BATTERY PACKS

For many years, Powercraft have always recognized the importance of the quality of batteries used with a reliable conversion kit to ensure the proper function of an emergency lighting therefore PowerCraft develops and manufactures its own Nickel-Cadmium rechargeable batteries that can have a service life of at least four years in maintained and non-maintained operation at high temperatures and constant charging. Powercraft's Nickel-Cadmium batteries are also tested to the most stringent standards applicable which is IEC 61951 to make sure that these batteries can provide full output during emergency situations.



















BATTERY TYPE	BATTERY CONFIGURATION (Rows x No. of Cells)	Total No. of Cells per pack	Cell Size	Pack Dimension (mm)
NiCd 3.6V 1.6AH	Cane (1 x 3)	3	Sub-C	130 x ø 34
NiCd 3.6V 1.6AH	Side by Side (3 x 1)	3	Sub-C	70 x 47 x 24
NiCd 3.6V 2.5AH	Cane (1 x 3)	3	С	152 x ø 27
NiCd 3.6V 2.5AH	Side by Side (3 x 1)	3	С	80 x 50 x 27
NiMh 4.8V 1.3AH	Side by Side (2 x 2)	4	AA	105 x 30 x 16
NiCd 4.8V 1.6AH	Cane (1 x 4)	4	Sub-C	174 x ø 24
NiCd 4.8V 1.6AH	Side by Side (2 x 2)	4	Sub-C	92 x 47 x 24
NiCd 4.8V 2.5AH	Cane (1 x 4)	4	С	201 x ø 27
NiCd 4.8V 2.5AH	Side by Side (4 x 1)	4	С	105 x 56 x 27
NiCd 4.8V 4.5AH	Cane (1 x 4)	4	D	241 x ø 34
NiCd 4.8V 4.5AH	Cane + Cane (1 x 2) + (1 x 2)	2 + 2	D	(121 x ø 34) + (121 x ø 34)
NiCd 9.6V 1.6AH	Side by Side (2 x 4)	8	Sub-C	173 x 46 x 24
NiCd 9.6V 2.5AH	Side by Side (2 x 4)	8	С	201 x 54 x 27
Li-ion 12.8V 3.2Ah	Cane (1 x 4)	4	26650	263 x ø 33

^{***}Note: Technical Specification subject to change without prior notice



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