

LV JUICE

LIGHT

WHERE YOU NEED IT

LEDPORT Rugged Multipurpose Portable Floodlight



FEATURES

- Bluetooth connection function
- USB outlet to charge other devices
- 4-5 hour battery run time
- 100% & 50% light level settings
- Rechargeable Li-ion battery
- Slim & compact design - easy storage
- 12V DC & 230V AC charger

APPLICATIONS

- Lighting small spaces - ceiling cavities, under buildings
- Heat sensitive situations - LEDs are cool running
- Places where the light direction is moved often
- Areas with no mains power supply

LEDPORT-20W-BATT

\$59.00 +GST

BLUETOOTH CONNECTION TO PLAY MUSIC



USB OUTLET TO CHARGE MOBILE DEVICES



This Month

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FREE CHOCOLATE FISH (ASSORTED)
WHILE STOCKS LAST



When you spend over \$300 (+GST) on one invoice this month

www.transnet.co.nz



Cat No. 65U

65U FUSE CARRIER

Designed for lighting applications, the 65U is fully submersible and perfect for lighting installations. The rubber housing is easily adjusted to fit a range of conductor sizes. This fuse carrier is simple to use, just push the two halves together to create a friction seal. Compression style installation is required.

10x38mm barrel fuse	Cable range 2.5-16mm ²
Watertight	Fuse Link Cat No. = CH10-NB0xx (xx denotes amps)
30 Amps	



Cat No. 2-361372-1

GELCAP SL

The Gelcap SL Splice Kit provides quick installation, dependable performance and easy re-entry for street lighting connections and more. Packed with revolutionary PowerGel sealing gel, it offers a superior moisture seal over a wide conductor range.

Temperature range -40°C to 105°C	Range Taking Connector 2 x 2.5mm ² -70mm ² and 1 x 2.5mm ² -10mm ²
Cap is UV stable, insulating and offers excellent abrasion protection	Two bolts in tap hole
Simple Allen Key fastening	No extra materials or greases are required



Cat No. TNSLPKIT

FUSED STREETLIGHT BOARD

Light poles are classified as an 'electrical installation' under electricity regulations, meaning they carry highly specific legal requirements in relation to earthing, protection and isolation devices.

"An electrical installation needs an isolating device, formal protection, an earth neutral bar, and an earth stay," and the TNSLPKIT is just the answer!

Features

Removable MEN link	Rated to 32A
Fuse carrier includes 6A 10x38mm barrel fuse link	Stainless steel spring loaded mounting hook
Noark fuse carrier meets requirements of IEC/EN 60947-3	Dimensions: 285H x 50W x 90-110D* (mm)
All brass electrical connections	Fuse carrier terminal capacity 1-25mm ²

*90mm closed, 110mm open

TRANSNET MONTHLY GIVEAWAY SUPPORTING KIWI BUSINESSES

We've fished up a really great treat for you this month! The iconic Queen Anne Chocolates company is proudly located in Christchurch and has nearly 100 years of history behind it, from the Great Depression to earthquakes and

beyond, and we'd argue that in this case practice definitely makes perfect. Started by Ernest Adams and continued today by his granddaughter it's truly a family business we can get behind. We've

www.queenanne.co.nz

chosen a selection of flavours from their delicious chocolate fish range that will accommodate all tastes, so try one and pick your favourite new take on an old classic.





MAINS ENTRY BOX

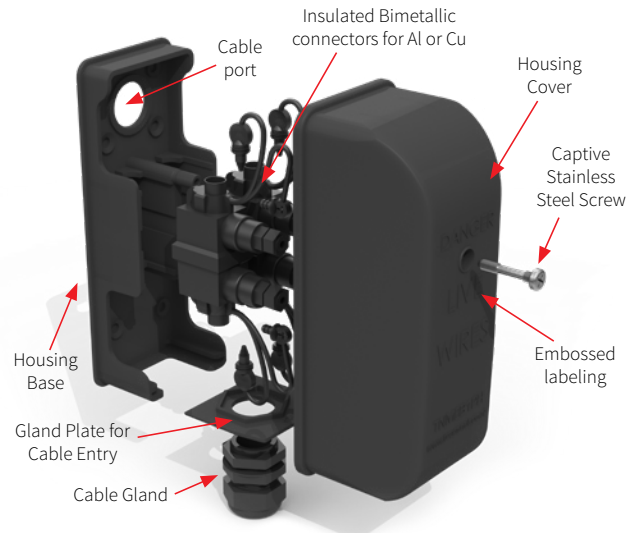
1, 2 & 3 PHASE

The faster, safer, easier-to-install Mains Entry Box

The mains entry termination has never been so safe, sleek or easy to install. Made of durable and UV stable black plastic, our TNMEB has been designed to make installation of overhead mains entry points as safe, quick and as simple as possible.

FEATURES

- Main cable supported by gland in gland plate
- Gland plate perfect fit for conduit gland too
- Strip length clearly outlined on connector body
- Electrical test points and test point caps built into connector bolt for ease of testing
- Insulated bimetallic connectors will terminate AL/CU cables, 4mm²-35mm² range



SAVE TIME
Make off connectors outside enclosure



UV STABLE PLASTIC
Won't shatter



SHEAR BOLT CONNECTIONS
Perfect connection every time



SAFER
No bare parts



SECURE SCREW
Captive Stainless Steel cover screw



USE WITH

HOUSE HOOK



Galvanised Steel threaded hook, used as an anchor point for securing LV shackle insulators. Simple to install and remove. 175X12mm C/W, 25mm diameter hook I.D

CAT NO. HOUSEHOOK

CAT NO. O-708046-3

Cable Size (AS3560): 9-17mm O.D.



CAT NO. O-708018-1

Cable Size (AS3560): 18-25mm O.D.

STRAIN CLAMPS

These LV strain clamps for neutral screen have wedge technology so the more the cable is pulled, the tighter the grip becomes. These clamps grip one cable from 9-25mm OD.

Cable Type: Neutral screen

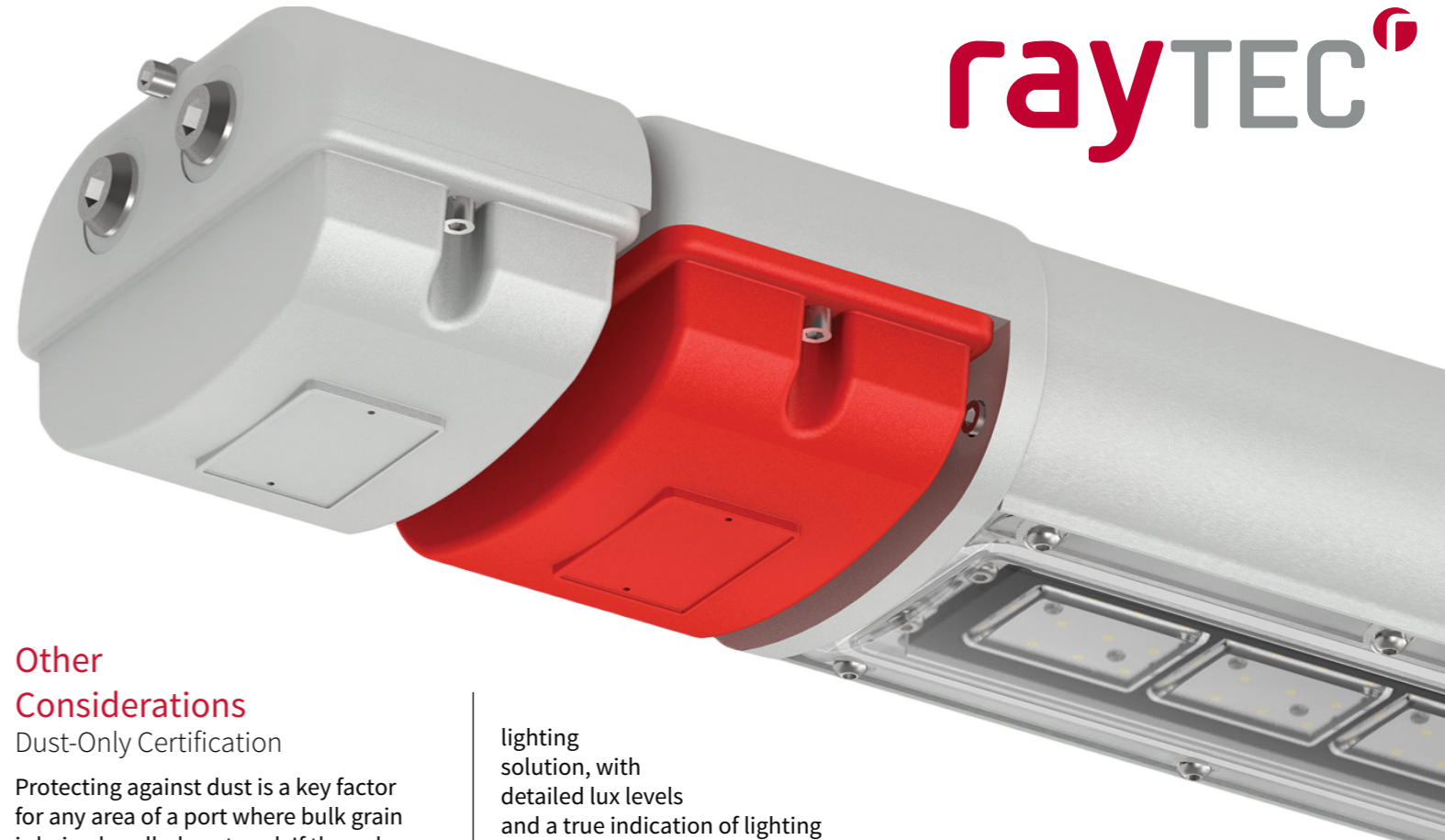
Body: Glass Filled Nylon

Straps: Stainless Steel





rayTEC®



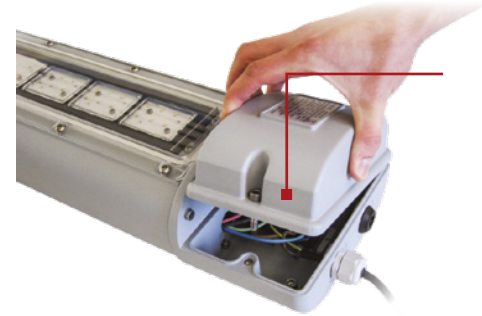
SPARTAN

Raytec are world leaders in LED lighting for hazardous area environments. SPARTAN is our range of globally certified Ex LED luminaires, delivering class-leading performance and reliability.



The nature of port applications, and their coastal location, provides a challenging environment when specifying lighting. A luminaire capable of withstanding the elements is essential, given that it will commonly be exposed to marine conditions (often not too dissimilar to that of an offshore application).

Furthermore, major ports that act as a hub for imports and exports will likely have a significant amount of hazardous substances (such as oil and gas products, but also bulk grains which carry an explosion risk) passing through on a daily basis, or being held in storage facilities on-site. Port owners must therefore ensure the site is compliant by having the necessary equipment on-site to safely handle and store these substances; this is where hazardous area lighting becomes so important.



Easy Maintenance

The way an LED luminaire has been designed can also have a large impact on how easy maintenance is to carry out, and how long the port will be left without light should a problem arise.

Making Easier Access

Choosing an LED luminaire with a

removable PSU (Power Supply Unit) can help to make access for maintenance much easier.

Luminaires such as the SPARTAN High-Power Flood & High-Power Bay allow the PSU to be removed from the main body of the luminaire, so all wiring and serviceable parts can be positioned in an easy-to-access locations.

Emergency Lighting

Ports and terminals are high-risk environments and rely on the use of emergency lighting to ensure the safety of everybody on-site should a power failure occur.

Duration & Output

It's important to check the emergency duration of a luminaire to ensure it provides back-up illumination for a sufficient length of time, but you should also consider the percentage light output of the luminaire in emergency mode. It is common for output to drop significantly when switching to emergency mode.

Most SPARTAN emergency luminaires provide 25% light output for 3 hours as standard, but if required can run at up to 100% light output for shorter durations. This provides the ultimate performance and flexibility for emergency lighting in hazardous areas.

Prior to installation, it's recommended to complete a lighting design scheme based on both normal and emergency conditions. This will ensure sufficient light levels are being achieved and the correct number of luminaires have been specified.

Withstanding the Elements

Ports and terminals often represent an unforgiving environment for the lighting installed on-site. The conditions in some areas of a port will be very

similar to what would be expected in offshore applications, and lighting must be specified accordingly. There are three major environmental issues that companies face when installing hardware for a port application;

Corrosion – exposure to sea spray and salty air means a greater risk of corrosion. The risk is greater in locations like docking areas, where exposure to sea spray is greater, but all areas around ports provide a higher risk of corrosion than inland applications. The hardware installed must therefore be specified to withstand these conditions. At Raytec, our SPARTAN range is designed for offshore use in-mind; made with marine grade aluminium, stainless steel fixings and ABS-approved to marine standards.

Extreme weather – with high wind and rain levels, extreme weather conditions at ports is a regular occurrence. A luminaire with a high IP rating is essential to prevent water ingress which could damage internal components. While the majority of hazardous area fittings will be rated to at least IP65, we would recommend specifying to IP66 or IP67 for port applications.

Sun – depending on where the port is located, prolonged exposure to ultraviolet rays (UV) can cause issues with luminaires with a GRP housing (glass reinforced plastic). Over time the GRP can degrade and become brittle, which could invalidate the luminaires hazardous area certification, rendering it useless.



Automated Testing

Modern emergency luminaires, such as SPARTAN Intelligent Emergency, are helping to make emergency systems more reliable. Designed to ensure optimum battery performance, they provide a self-testing function which automatically cycles the battery to ensure its health and to measure its capacity.

Other Considerations

Dust-Only Certification

Protecting against dust is a key factor for any area of a port where bulk grain is being handled or stored. If the only explosion risk in these areas comes from dust, i.e. grain, a smart specification can save costs by specifying an Ex luminaire certified for protection against dust only (unlike most luminaires which are certified for gas and dust).

A number of SPARTAN Ex products are available as a dedicated Zone 21 variant for exactly these kinds of applications, providing a cost-effective solution in areas where there is no explosion risk from gas, only dust.

Lighting Design

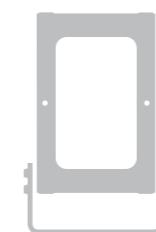
Lighting design should be considered an essential part of specifying lighting for port applications. With larger ports utilising thousands of operators, achieving the correct light levels on-site will improve safety and operational efficiency. For specifiers, going through the design process will also ensure confidence in the final solution, meaning there are no surprises when it comes to the actual installation.

Raytec's lighting design service is completely free of charge, providing you with a visual 3D representation of the final

lighting solution, with detailed lux levels and a true indication of lighting performance. Our lighting design experts will guide you through the entire process, ensuring the optimum solution is achieved.

Contact us for all your hazardous area lighting needs

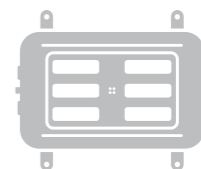
Features	Benefits
Retrofitable	Easy Installation, matching the dimensions of traditional 2x36W fluorescent fittings, to provide an easy direct replacement
Intelligent Emergency	Self-testing emergency battery proactively monitors & maintains the overall health of the luminaire Easy inspection thanks to a tri-colour LED indicator
Modular Design	Both the LED & PSU modules are easily accessible for maintenance and inspection
Ultra-Reliable	Industry leading 5 year warranty Designed & manufactured in the UK to the highest standards including both ISO9001 & ISO14001 Intelligent emergency with automatic self-testing



FLOOD



LINEAR



BULKHEAD



BAY



A1532-T2 ELECTRIC VEHICLE SIMULATOR

This EVSE adaptor is used for verification of electrical safety and functional testing of EVSE together with supported METREL installation testers. It is intended for testing Mode 3 EV supply equipment with a type 2 connector.

KEY FEATURES

- Banana socket outputs for connection to 3-phase installation tester
- Voltage indicators on EVSE output
- Proximity Pilot resistance selector for simulation of EV cable presence and current rating detection
- Control Pilot resistance selector for simulation of electric vehicle status
- Socket output for connection to a 1-phase installation tester (Phase 1, Neutral, PE)
- Type 2 Male Plug connector for connection to EVSE
- 6 mA EV RCD support
- Functional tests support*
- Meets EN61000-3-2, EN61000-3-3, EN61326-1, EN55011, EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-11

*Optional Type 2 to Type 1 EV plug adaptor available for testing purposes



A1632-T2 E-MOBILITY ANALYSER

The A1632 is designed for diagnostic testing of Electric Vehicle Supply Equipment (EVSE) together with supported METREL testers. It supports verification of electrical safety and functional testing of Type 2 EVSE as well as testing of Mode 2 and Mode 3 electrical vehicle (EV) chargers and communication monitoring between the charging station and the EV (simulated electric vehicle) during charging.

KEY FEATURES

- Functional & diagnostic testing of EVSE via simulation of electrical vehicle's CP and PP circuits
- Electrical safety testing of EVSE
- Simulation of faults on mains for verification of Mode 2 EV chargers' safety features
- Electrical safety testing of Mode 2 and Mode 3 EV chargers
- Accessible inputs/outputs for connection of safety testers
- 1-phase and 3-phase Mode 2 cable connections
- Integrated 4400 mAh Li-Ion battery
- Bluetooth communication with Metrel Android App or MI3155 tester

*Optional Type 2 to Type 1 EV plug adaptor available for testing purposes



MD106 NON-CONTACT VOLTAGE DETECTOR

KEY FEATURES

- Non-contact voltage detection from 90 V AC.
- Optical and acoustical indication in case of power
- 90 V – 1000 V AC measurement range
- Self-test button for verification of operation



MD116 NON-CONTACT VOLTAGE DETECTOR

KEY FEATURES

- Non-contact voltage detection from 12 V AC
- Optical, acoustical, and vibrating indication in case of power
- 12 V – 1000 V AC measurement range
- Automatic self-test
- LED torch



TOOLS OF THE TRADE

Multi-Compartment Toolboxes



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These handy toolboxes are easy to use with a solid handle, carry strap, and removable compartments. Replacement boxes in three sizes are available if you need to reconfigure your toolbox storage sizes.

BOX-366
12 COMPARTMENT TOOLBOX

BOX-399
18 COMPARTMENT TOOLBOX

\$39.00 +GST

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