# K1 Emergencies

Project Range of Emergency Lighting
Spacing table to AS/NZS 2293.1:2018



| | | | ANTI-PANIC | ESCAPE ROUTE |

| IK 04 | IP 42 | DALI | ESM | EST+ | EBS | SQUARE | ELONGATED |
|---|---|---|---|---|---|---|---|
| | | LIGHTING NETWORK CONTROL SYSTEM | MONITORING SAFETY MANAGER | AUTOMATIC SELF TEST | INTELLIGENT BATTERY SYSTEM | SQUARE DISTRIBUTION | ELONGATED DISTRIBUTION |

ETAP
EXCELLENT LIGHTING, SAVING ENERGY

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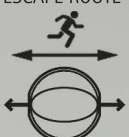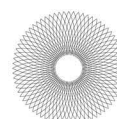
# Why ETAP Emergency Lighting?

## K1 EMERGENCY LIGHTING

- Sleek, clever design, ideal for Architectural Spaces. Affordable, robust polycarbonate housing
- Choice of accessories for flexibility in installation
- NiMH (Nickel-Metal Hydride) battery is less harmful to the environment and able to be recycled
- 20% less power consumed than other Emergency products on the market
- 5-year factory warranty
- ENEC Certified awarded for high safety products
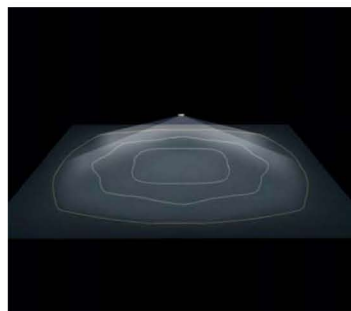- Low fail rate on products and testing
- Over 70 years of experience

Escape route lighting: one luminaire every 20 mts suffices for the lighting of escape routes

Anti-panic lighting: thanks to its square light distribution one luminaire is all it takes to illuminate spaces up to 130 m2
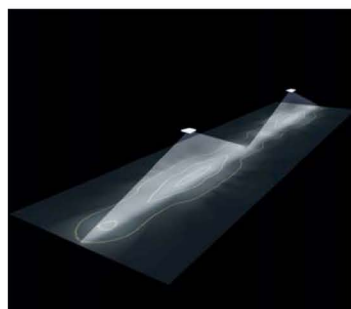
## OPTICS LENSES
### ANTI-PANIC or ESCAPE ROUTE

- LED lenses will distribute light more evenly, less products needed and improved visibility during evacuation
- Anti-panic is square distribution for square rooms
- Escape Route is elongated distribution for passages 17.2m spread in a 2.7m standard ceiling height. And up to 29.8m spread in a 6 meters ceiling height

# What is ⏲ EST+ and 🔄 ESM ?

## EST+ COMPREHENSIVE SELF-TESTING

- There are three tests performed automatically:
Diode function, Wiring test and Battery health
- Fortnightly function tests are performed
- Quarterly battery health/duration test. Just like a mobile phone the Emerg/exit batteries need to drain (drained to 90 mins) and recharged, the test will run the product to ensure the battery is to ASNZ2293 requirements for duration
- Function display is discreet
- Fault sequences are displayed to inform the maintenance person
- Testing will check for faults and inform of: wiring faults, diode faults, battery faults, illumination deficiencies and battery life deficiencies
- See demonstration video following the QR code on the last page



— Internet
— ESM network
— Central emergency supply

ESM web controller

ESM

EBS
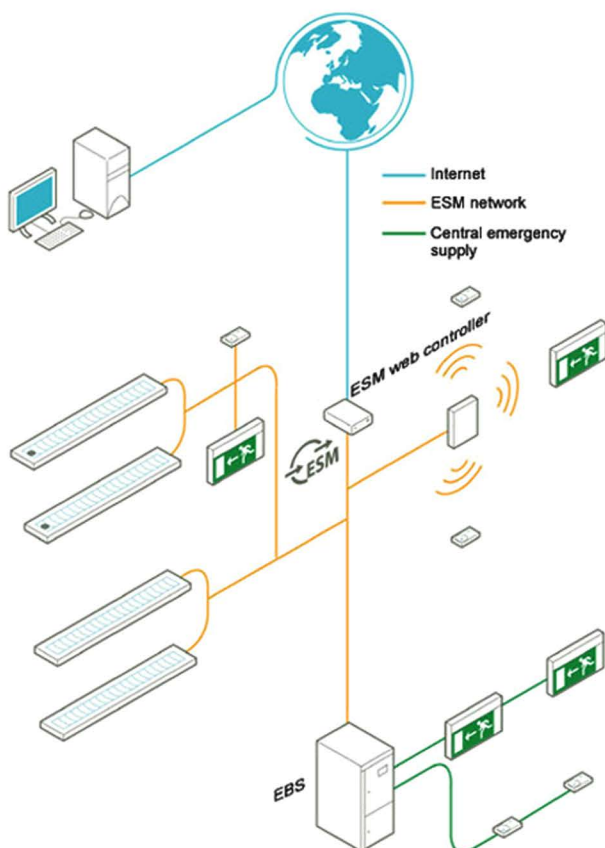
## ESM REMOTE TESTING AND MONITORING SYSTEM

- ESM can monitor any other Emergency and Exit products with DALI
- Monitor and display health on wiring, battery and diode health
- Spare parts and replacements can be ordered from system
- 1 off licence fee
- Additional products and increased system license can be added
- 1 system can operate multiple locations
- Fully remote access is available

SQUARE LIGHT
DISTRIBUTION
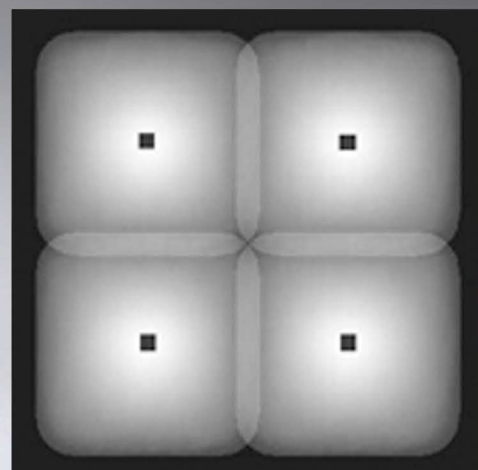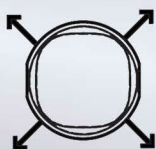


## Spacing Table Guide
### Illuminance 0.2 Lux
Closest Classification C0:A630 C90:A630

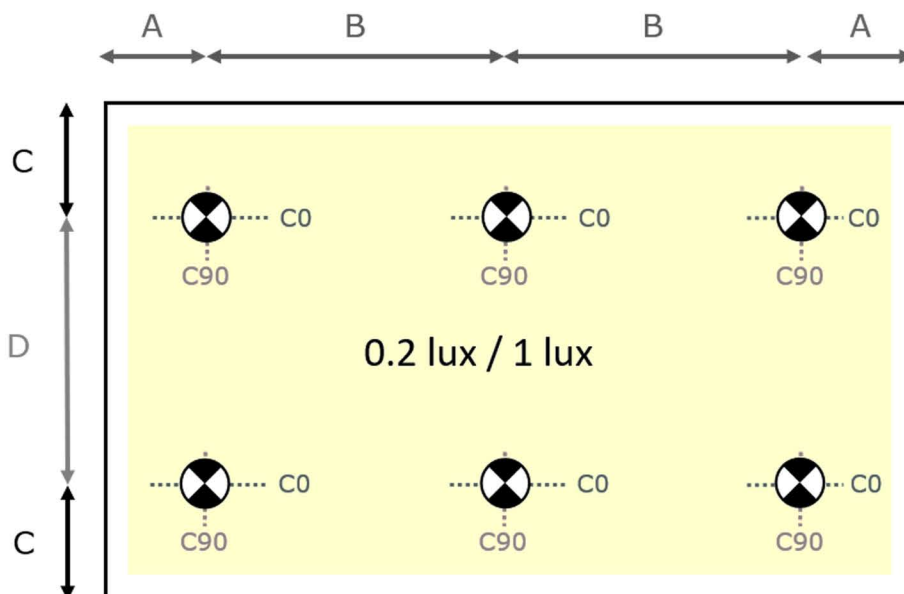| Mounting Height (m) | 2.1 | 2.4 | 2.7 | 3.0 | 3.3 | 3.6 | 4.0 | 4.5 | 5.0 | 6.0 | 7.0 | 8.0 | 9.0 | 10.0 | 15.0 | 20.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A | 4.8 | 5.6 | 6.2 | 6.9 | 7.5 | 8.1 | 8.8 | 9.6 | 10.3 | 11.3 | 11.9 | 10.7 | 7.6 | 7.6 | 0.5 | 1.4 |
| B (C0) | 10.5 | 11.7 | 13.0 | 14.2 | 15.5 | 16.7 | 18.4 | 20.4 | 22.4 | 26.2 | 29.5 | 31.8 | 32.6 | 33.1 | 33.4 | 24.2 |
| C | 4.9 | 5.6 | 6.2 | 6.9 | 7.5 | 8.1 | 8.8 | 9.6 | 10.2 | 11.2 | 11.9 | 10.6 | 7.7 | 7.4 | 0.5 | 1.6 |
| D (C90) | 10.5 | 11.7 | 13.0 | 14.2 | 15.5 | 16.7 | 18.4 | 20.4 | 22.4 | 26.2 | 29.5 | 31.8 | 32.6 | 33.1 | 33.4 | 24.2 |

## Spacing Table Guide
### Illuminance 1 Lux
Closest Classification C0:E80 C90:E80

| Mounting Height (m) | 2.1 | 2.4 | 2.7 | 3.0 | 3.3 | 3.6 | 4.0 | 4.5 | 5.0 | 6.0 | 7.0 | 8.0 | 9.0 | 10.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A | 4.6 | 5.1 | 5.4 | 5.5 | 5.3 | 5.1 | 4.0 | 3.5 | 3.5 | 0.7 | 0.5 | 0.5 | 0.7 | 0.5 |
| B (C0) | 9.5 | 10.6 | 11.7 | 12.8 | 13.7 | 14.2 | 14.4 | 14.9 | 15.0 | 14.4 | 15.3 | 14.9 | 10.7 | 7.3 |
| C | 4.6 | 5.1 | 5.4 | 5.5 | 5.2 | 5.0 | 4.0 | 3.4 | 3.6 | 0.7 | 0.5 | 0.5 | 0.6 | 0.5 |
| D (C90) | 9.5 | 10.6 | 11.7 | 12.8 | 13.7 | 14.2 | 14.4 | 14.9 | 15.0 | 14.4 | 15.3 | 14.9 | 10.7 | 7.3 |



0.2 lux / 1 lux

**ELONGATED LIGHT DISTRIBUTION**
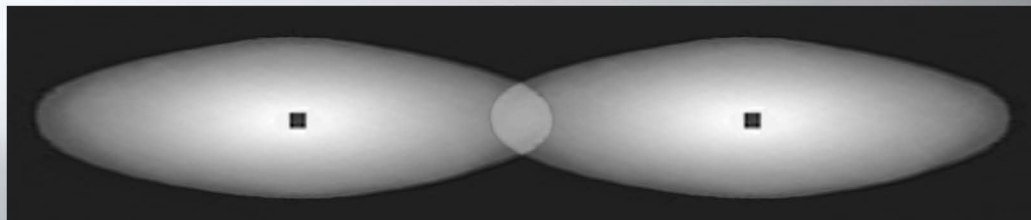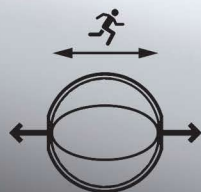
## Spacing Table Guide
## Illuminance 1 Lux
Closest Classification C0:D800 C90:A25

| Mounting Height (m) | 2.1 | 2.4 | 2.7 | 3.0 | 3.3 | 3.6 | 4.0 | 4.5 | 5.0 | 6.0 | 7.0 | 8.0 | 9.0 | 10.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A | 8.1 | 8.9 | 9.7 | 10.5 | 11.1 | 11.8 | 12.5 | 13.4 | 14.2 | 11.7 | 10.1 | 7.5 | 0.5 | 0.5 |
| B (C0) | 16.7 | 18.5 | 20.1 | 21.9 | 23.5 | 25.1 | 27.1 | 29.5 | 31.6 | 35.4 | 35.1 | 35.3 | 30.0 | 26.6 |
| C | 2.1 | 2.3 | 2.5 | 2.6 | 2.8 | 3.0 | 3.2 | 3.4 | 3.5 | 2.7 | 2.1 | 1.8 | 1.5 | 1.2 |
| D (C90) | 4.3 | 4.3 | 4.4 | 4.7 | 5.0 | 5.4 | 5.9 | 6.5 | 7.0 | 7.5 | 7.1 | 7.2 | 5.2 | 4.4 |

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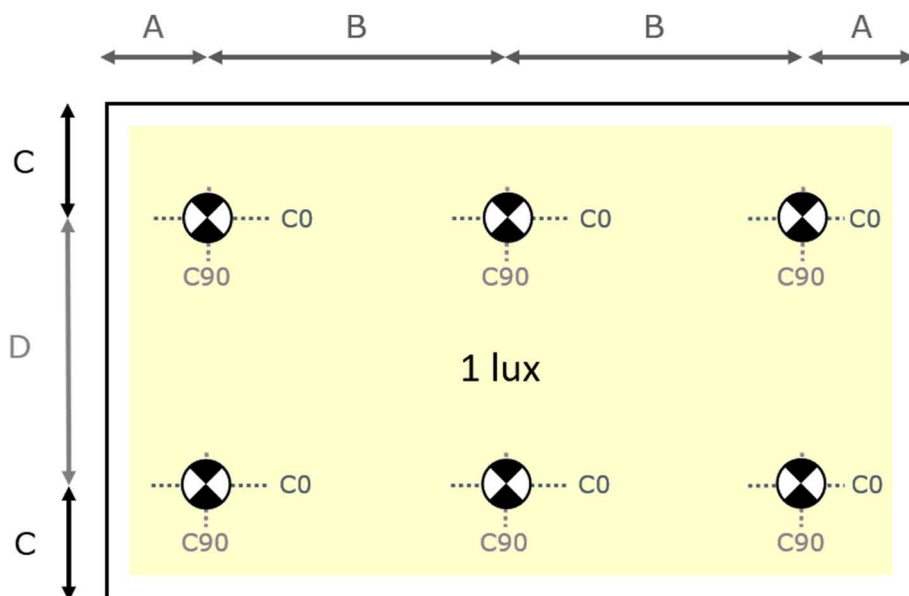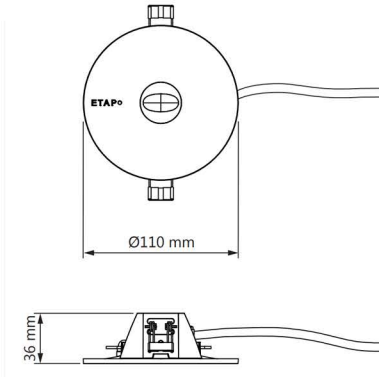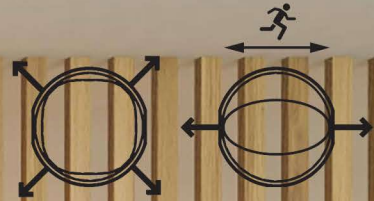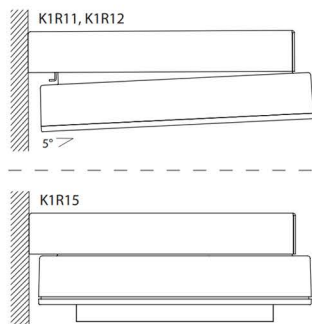
## Recessed Round
### K1R2
Rounded simple sleek recessed Emergency with remote gear

Ø110 mm

36 mm
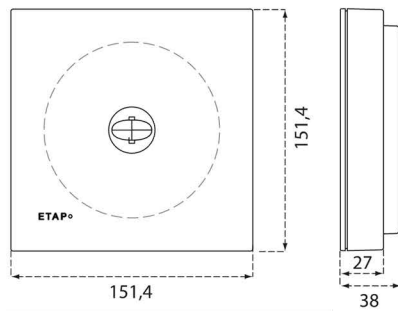
## Surface Mounted
### K1R1
Slimline surface mounted Emergency Light with Integral gear. Recessed mounting accesory available

151,4

151,4

27

38

## Square Wall Mounted
### K1R15
Square wall mounted. Wall mounting accessories to match K1R1 surface mounted
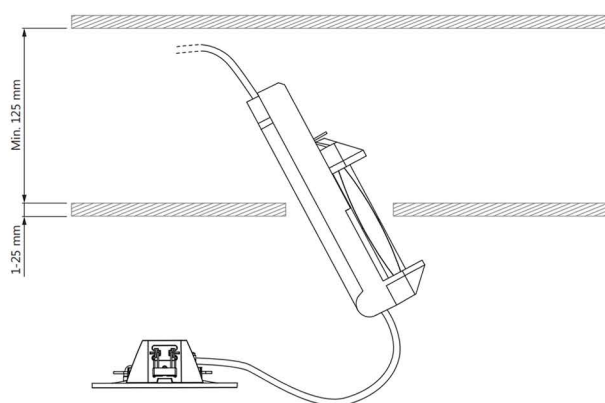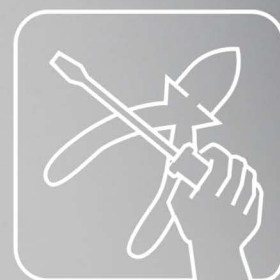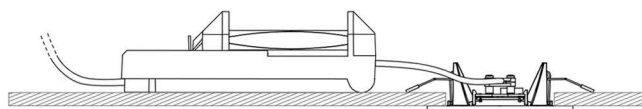
K1R11, K1R12

5°

K1R15
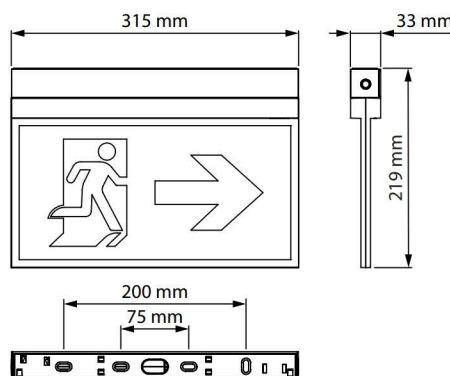
## Universal Mounted
### K1R14
Wall or surface mounted with a simple click. Recessed, suspended and 90° wall flag mounting accessories available

315 mm

33 mm

219 mm

200 mm

75 mm

Upon request extended lead, for remote gear at extended lengths up to 20 meters. Extension lead with Wieland connected plugs, double insulated cable.
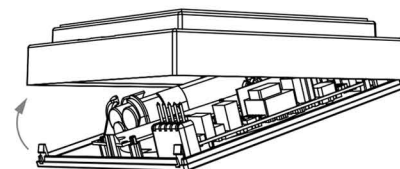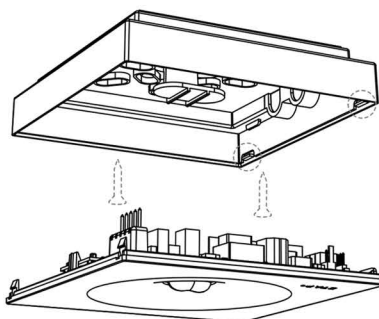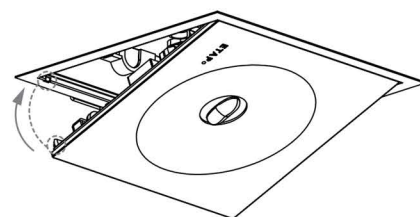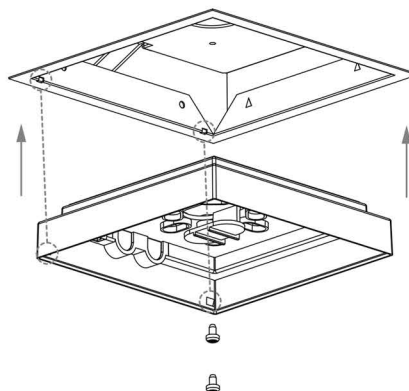
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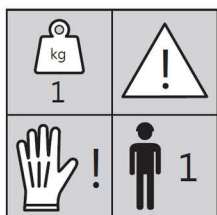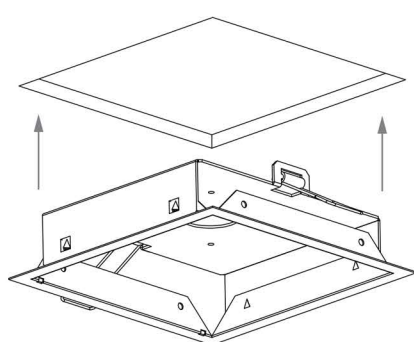
## Recessed Round



## Surface Mounted



## Recessed Mounting Frame



**YouTube**

Installation Diagnostic



Battery Diagnostic



Electronics Diagnostic



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