



K1 Emergencies

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



LIGHTING NETWORK
CONTROL SYSTEM



MONITORING
SAFETY MANAGER



AUTOMATIC
SELF TEST



INTELLIGENT
BATTERY SYSTEM

ANTI-PANIC



SQUARE
DISTRIBUTION

ESCAPE ROUTE



ELONGATED
DISTRIBUTION

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



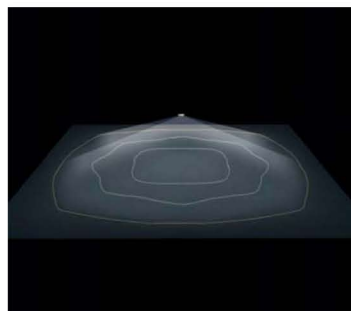
OPTICS LENSES

ANTI-PANIC or ESCAPE ROUTE

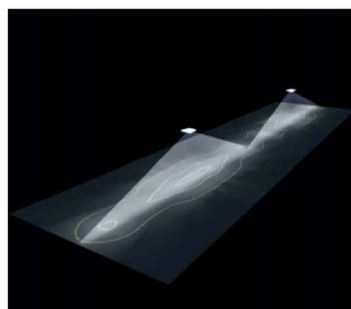
- LED lenses will distribute light more evenly, less products needed and improved visibility during evacuation
- Anti-panic is square distribution for square rooms
- Escape Route is elongated distribution for passages 17.2m spread in a 2.7m standard ceiling height. And up to 29.8m spread in a 6 meters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



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

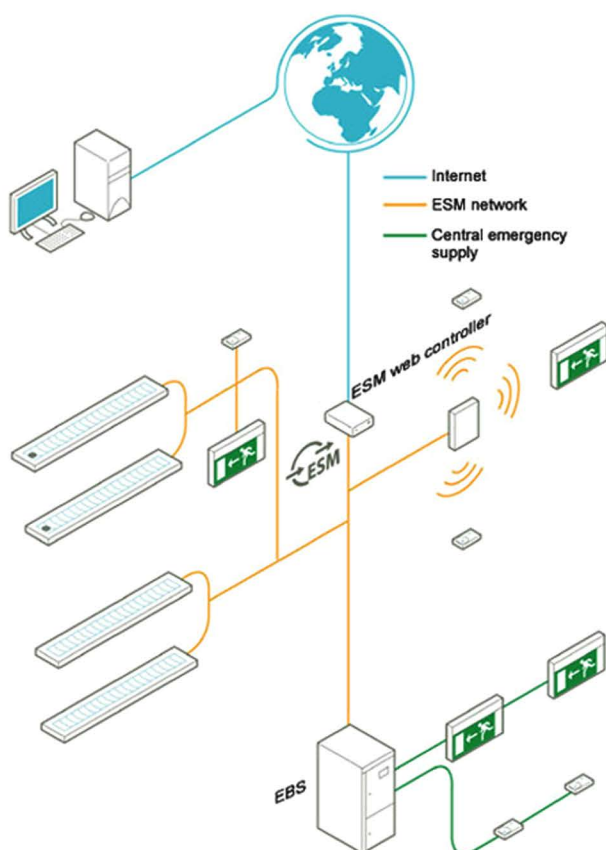


What is and ?



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

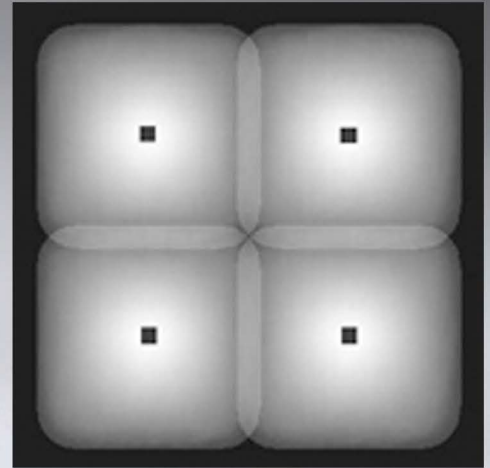


ESM REMOTE TESTING AND MONITORING SYSTEM

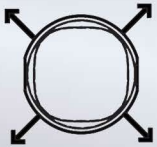
- ESM can monitor any other Emergency and Exit products with DALI
- Monitor and display health on wiring, battery and diode health
- Spare parts and replacements can be ordered from system
- 1 off licence fee
- Additional products and increased system license can be added
- 1 system can operate multiple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

K9 Anti-Panic Lens

K1R22, K1R12



SQUARE LIGHT
DISTRIBUTION



Spacing Table Guide

Illuminance 0.2 Lux

Closest Classification C0:A630 C90:A630

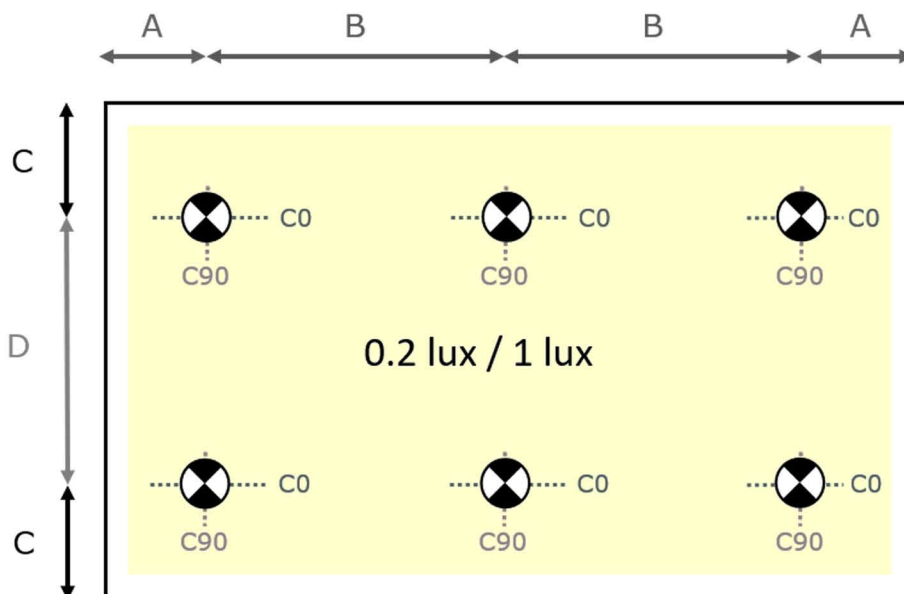
Mounting Height (m)	2.1	2.4	2.7	3.0	3.3	3.6	4.0	4.5	5.0	6.0	7.0	8.0	9.0	10.0	15.0	20.0
A	4.8	5.6	6.2	6.9	7.5	8.1	8.8	9.6	10.3	11.3	11.9	10.7	7.6	7.6	0.5	1.4
B (C0)	10.5	11.7	13.0	14.2	15.5	16.7	18.4	20.4	22.4	26.2	29.5	31.8	32.6	33.1	33.4	24.2
C	4.9	5.6	6.2	6.9	7.5	8.1	8.8	9.6	10.2	11.2	11.9	10.6	7.7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

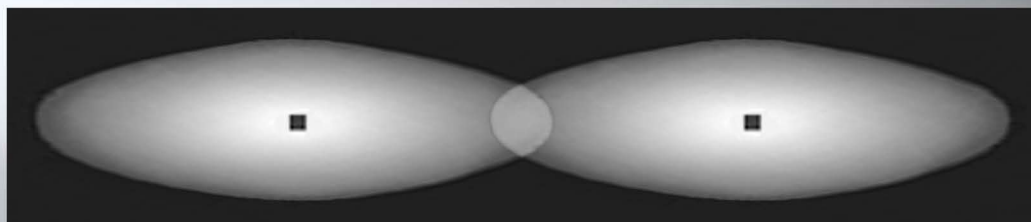


K1 Escape Route Lens

K1R11, K1R21



ELONGATED LIGHT
DISTRIBUTION

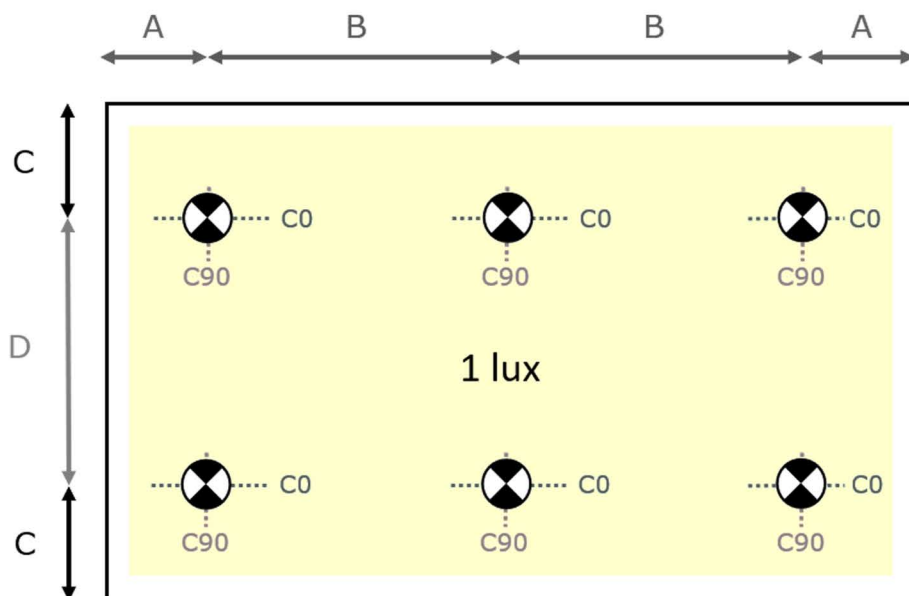


Spacing Table Guide

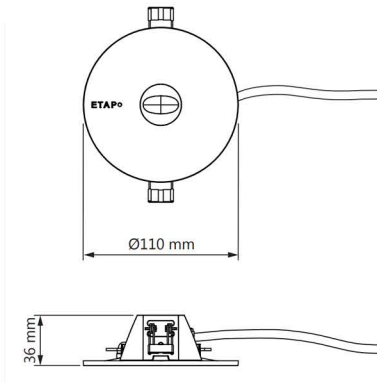
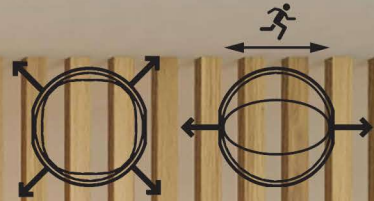
Illuminance 1 Lux

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



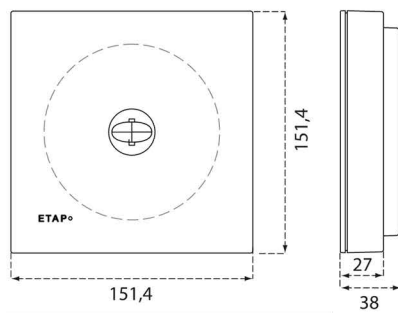
K1 Emergency Lighting



Recessed Round

K1R2

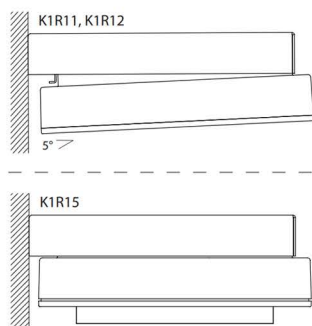
Rounded simple sleek
recessed Emergency with
remote gear



Surface Mounted

K1R1

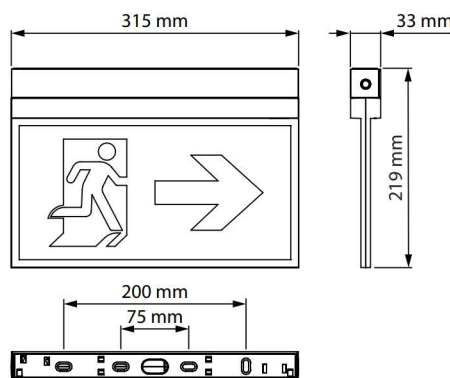
Slimline surface mounted
Emergency Light with
Integral gear. Recessed
mounting accessory available



Square Wall Mounted

K1R15

Square wall mounted. Wall
mounting accessories to
match K1R1 surface mounted



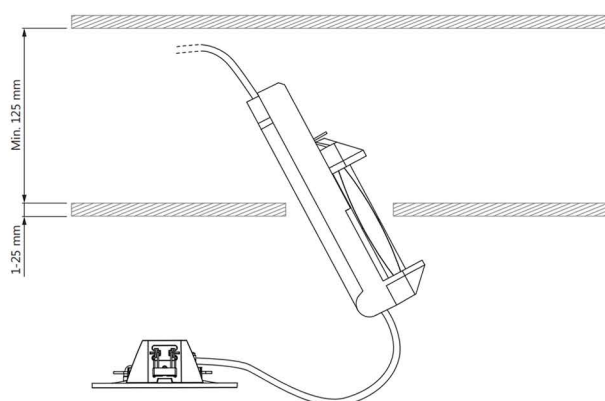
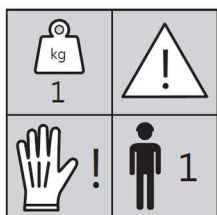
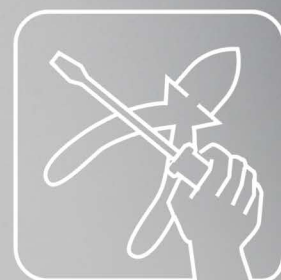
Universal Mounted

K1R14

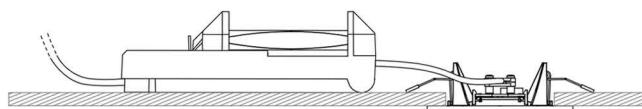
Wall or surface mounted
with a simple click. Recessed,
suspended and 90° wall flag
mounting accessories
available

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

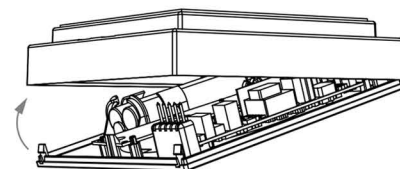
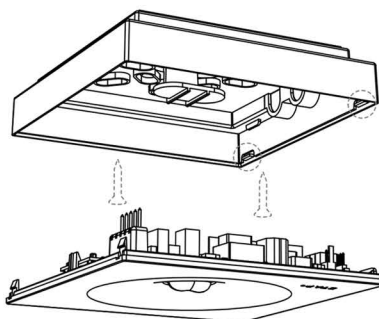
K1 Installation



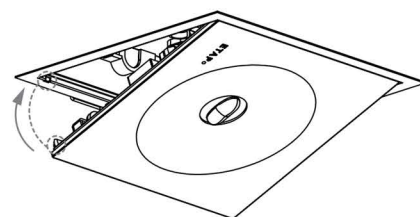
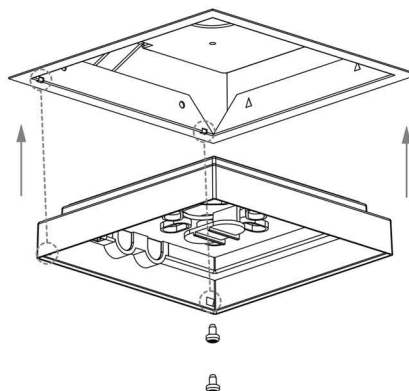
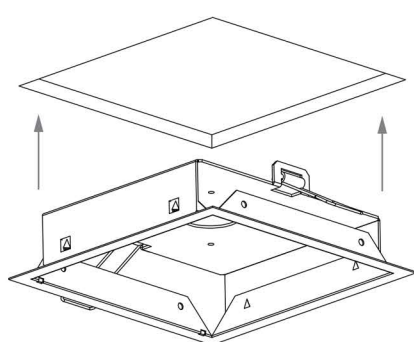
Recessed Round



Surface Mounted



Recessed Mounting Frame



Installation Diagnostic



Battery Diagnostic



Electronics Diagnostic

