Fully compliant emergency lighting solutions

10 SAFETY

Product Guide

Luminaires

Z10 Safety Ltd is committed to bring fully BS EN 60598-2-22 compliant emergency lighting solutions to the market. At Z10 Safety we regularly talk to and discuss with lighting consultants, electrical contractors and end-users to fully understand markets requirements and develop cost effective emergency lighting solutions. Emphasizing on self-test emergency luminaires, the current Z10 Safety product portfolio offers multiple emergency lighting solutions suitable for a wide range of applications, including fully certified DALI-2 options. Moreover, with our expertise in battery management and based on an on-going long-term capacity aging test, Z10 Safety is proud to offer **5 year warranty**** on both the luminaire and battery.

**Extended warranty available, contact Z10 Safety Ltd for more information

Contents

PRODUCT FAMILIES

Emergency LED Bulkhead

LED | **IP 65** | **IK10** | ⏰ **3 hour**

Emergency Lighting Output
190lm — 1.5W Output | 350lm — 3W Output

50,000 hrs (LEDs)

Self Test — Available

DALI 2

Available (remote)

Warranty 5 Years Battery included
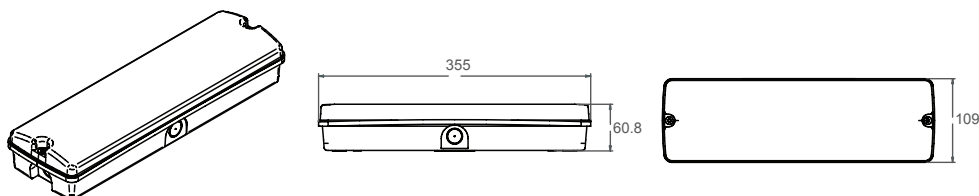
Key Features

- **Weatherproof** (IP65) and **robust** (IK10) self-contained emergency LED bulkhead
- High lumen outputs in emergency mode (**190lm and 350lm**)
- Maintained switchable, maintained and non-maintained configurations in the same bulkhead
- Low stand-by power consumption (0.5W for non-maintained mode)
- Lithium battery integrated with fast battery re-charged (8hrs)*
- 5 year warranty on the luminaire and battery**
- Compliant with **BS EN 60598-2-22**

- Suitable for BESA and 20mm conduit installations
- Screwless terminal block integrated for easy wiring
- Supplied with IP65 cable gland and fixing kit
- Self-adhesive legend included for 20m viewing distance exit sign
- Self-test versions available
- Remote controls available. Please note:
  – ARC remote control is optional
  – PRC remote control is required
- Suitable for indoor and outdoor applications such as car parks, distribution centres, storage rooms and sports centres
- Pre-Wire Service available to required cable length and connector type

*First battery charge takes up to 16 hours
**Subject to Z10 Safety Ltd T&Cs

355

60.8

109

Part Number	Emergency Output	Mains/Emergency Lumen Output	Testing Facility*	Remote Control Part Number*
BHE1.5-AST	1.5W	220 / 220lm	AST (Advance Self-Test)	–
BHD1.5-AST	1.5W	190 / 190lm	AST (Advance Self-Test)	ARC (optional)
BHA1.5-PST	1.5W	190 / 190lm	PST (Programmable Self-Test)	PRC (required)
BHD1.5-DL	1.5W	190 / 190lm	DALI-2 Addressable with Z10 certified PCB LPD1-DL	–
BHA3-MT	3W	350 / 350lm	MT (Manual Test)	ARC (optional)
BHA3-AST	3W	350 / 350lm	AST (Advance Self-Test)	ARC (optional)
BHA3-PST	3W	350 / 350lm	PST (Programmable Self-Test)	PRC (required)
BHA3-DL	3W	350 / 350lm	DALI-2 Addressable with Z10 certified PCB LPD1-DL	–
BHA12-AST	3W	1450 / 350lm	AST (Advance Self-Test)	ARC (optional)

Input voltage 220-240V AC 50Hz
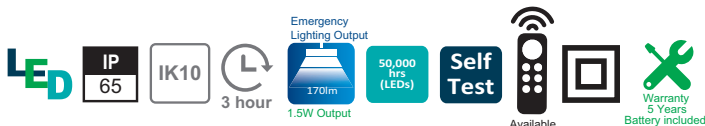Operating temperature 0°C – 40°C
CCT: 4000K

*Please refer to page 27-29

Accessories

Part Number	Description
BHA-RK	Recess kit

Mini Emergency LED Bulkhead

LED | IP 65 | IK10 | 3 hour | Emergency Lighting Output 170lm 1.5W Output | 50,000 hrs (LEDs) | Self Test | Available | Warranty 5 Years Battery included
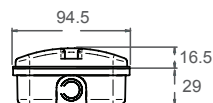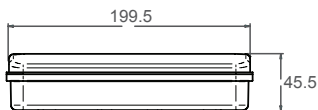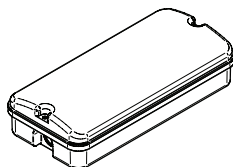

Key Features

- **Weatherproof (IP65) and robust (IK10) self-contained emergency LED bulkhead**
- **High lumen outputs in emergency mode (170lm)**
- **Maintained switchable, maintained and non-maintained configurations in the same bulkhead**
- **Low stand-by power consumption (0.5W for non-maintained mode)**
- **Lithium battery integrated with fast battery re-charged (8hrs)***
- **5 year warranty on the luminaire and battery****
- **Compliant with BS EN 60598-2-22**

- Suitable for BESA and 16mm conduit installations
- Screwless terminal block integrated for easy wiring
- Supplied with IP65 cable gland and fixing kit
- Self-adhesive legend included for 15m viewing distance exit sign
- Self-test function can be enabled with remote control ARC
- Remote controls available. Please note:
  - ARC remote control is optional
  - PRC remote control is required
- Suitable for indoor and outdoor applications such as car parks, distribution centres, storage rooms and sports centres
- Pre-Wire Service available to required cable length and connector type

*First battery charge takes up to 16 hours
**Subject to Z10 Safety Ltd T&Cs

Dimensions: 199.5, 45.5, 94.5, 16.5, 29

Part Number	Emergency Output	Mains/Emergency Lumen Output	Testing Facility*	Remote Control Part Number*
BHB1.5-AST	1.5W	170 / 170lm	AST (Advance Self-Test)	ARC (optional)

Input voltage 220-240V AC 50Hz
Operating temperature 0°C – 40°C
CCT: 4000K

Note: Self-test function is disabled by default. If self-test function is required please use remote control ARC to enable it.

Emergency LED Exit Sign Box 24m
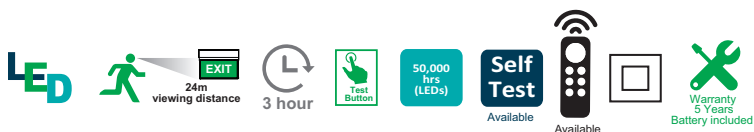

Recessed kit BXB24-RK


Ceiling mounting kit BXB24-CK

LED | 24m viewing distance | 3 hour | Test Button | 50,000 hrs (LEDs) | Self Test *Available* | *Available* | Warranty 5 Years Battery included

Key Features

- **Slim** self-contained emergency LED exit sign box
- Viewing distance **24m.**
- **Non-maintained configuration**
- **Low stand-by power consumption (0.5W for non-maintained mode)**
- **Lithium battery integrated with fast battery re-charged (8hrs)***
- **Up to 5 year warranty on the luminaire and battery****
- **Compliant with BS EN 60598-2-22**

- Integrated downlight for extra illuminance at exit door
- Supplied with UP arrow legend fitted and fixing kit
- 15mm knock-outs for conduit installations
- Suitable for BESA installations
- Self-test versions available
- Remote controls available. Please note:
  – ARC remote control is optional
- Suitable for indoor applications such as educational and office buildings

*First battery charge takes up to 16 hours
**Subject to Z10 Safety Ltd T&Cs

6
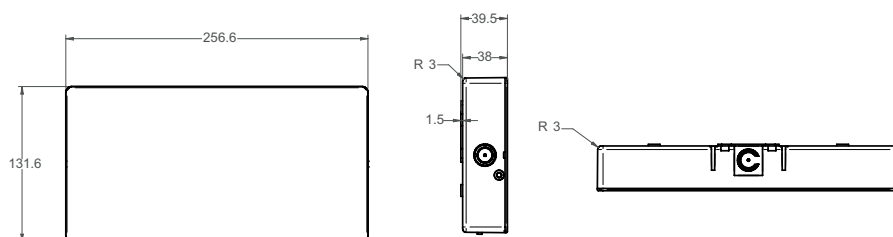
Part Number	Testing Facility*	Remote Control Part Number*
BXB24-MT	MT (Manual Test)	ARC (optional)
BXB24-AST	AST (Advance Self-Test)	ARC (optional)

Input voltage 220-240V AC 50Hz
Operating temperature 0°C – 40°C
CCT: 4000K

*Please refer to page 27-29

Accessories

| Part Number	Description
BXB24-CK	Ceiling mounting kit
BXB24-RK	Recess kit
BXB24-D	Exit sign box DOWN arrow
BXB24-R	Exit sign box RIGHT arrow
BXB24-L	Exit sign box LEFT arrow
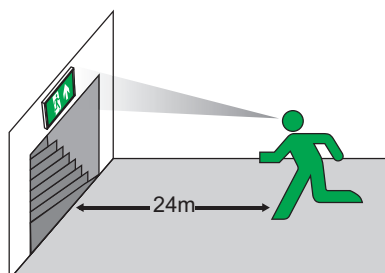
24m

Emergency LED Exit Sign Box 34m

Key Features

- **Slim** self-contained emergency LED exit sign box
- Long viewing distance **34m.**
- Maintained and non-maintained configurations in the same exit sign box
- Low stand-by power consumption (0.5W for non-maintained mode)
- Lithium battery integrated with fast battery re-charged (8hrs)*
- Up to **5 year warranty** on the luminaire and battery**
- Compliant with **BS EN 60598-2-22**

- Integrated downlight for extra illuminance at exit door
- Supplied with UP arrow legend fitted and fixing kit
- 20mm knock-outs for conduit installations
- Suitable for BESA installations
- Self-test versions available
- Remote controls available. Please note:
  - ARC remote control is optional
  - PRC remote control is required
- Suitable for indoor applications such as educational and office buildings

*First battery charge takes up to 16 hours
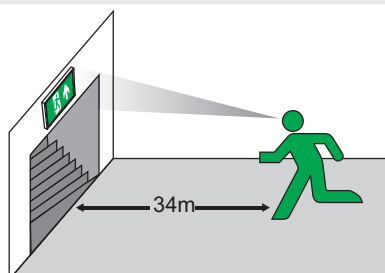**Subject to Z10 Safety Ltd T&Cs

Dimensions

196.2

392.6

3

41.2
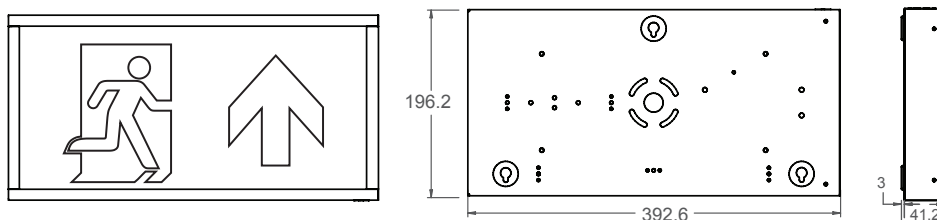
Part Number	Emergency Output	Mains/Emergency Lumen Output	Testing Facility*	Remote Control Part Number*
BXA34-MT	1.5W	90 / 90lm	MT (Manual Test)	ARC (optional)
BXA34-AST	1.5W	90 / 90lm	AST (Advance Self-Test)	ARC (optional)
BXA34-PST	1.5W	90 / 90lm	PST (Programmable Self-Test)	PRC (required)
BXA34-DL	1.5W	90 / 90lm	DALI-2 Addressable with Z10 certified PCB LPD1-DL	–

Input voltage 220-240V AC 50Hz
Operating temperature 0°C – 40°C
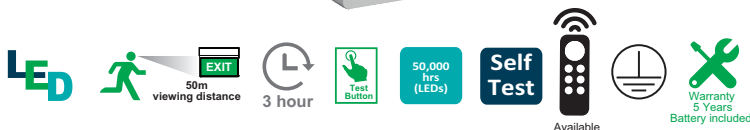CCT: 4000K

*Please refer to page 27-29

Accessories

Part Number	Description
BXA-D	Exit sign metal box DOWN ARROW legend
BXA-R	Exit sign metal box RIGHT ARROW legend
BXA-L	Exit sign metal box LEFT ARROW legend

34m

Emergency LED Exit Sign Box 50m

LED | 50m viewing distance | 3 hour | Test Button | 50,000 hrs (LEDs) | Self Test | Available | Warranty 5 Years Battery included

Key Features

- **Slim** self-contained emergency LED exit sign box
- **Long viewing distance 50m.**
- **Maintained and non-maintained configurations in the same exit sign box**
- **Low stand-by power consumption (0.5W for non-maintained mode)**
- **Lithium battery integrated with fast battery re-charged (8hrs)***
- **5 year warranty on the luminaire and battery****
- **Compliant with BS EN 60598-2-22**

- Supplied with UP arrow legend fitted
- 20mm knock-outs for conduit installations
- Suitable for BESA installations
- Suspension kit available
- Self-test function enabled as standard
- Advanced Remote Control (ARC) available
- Suitable for indoor applications such as large retail and sport premises
- Pre-Wire Service available to required cable length and connector type

*First battery charge takes up to 16 hours
**Subject to Z10 Safety Ltd T&Cs
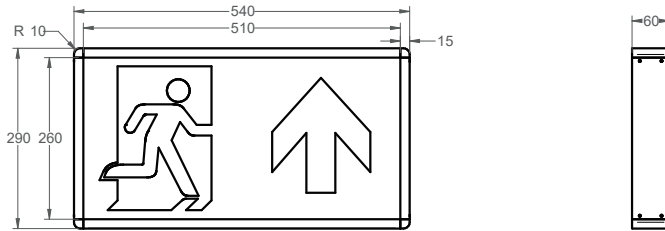
Part Number	Testing Facility*	Remote Control Part Number*
BXA50-AST	AST (Advance Self-Test)	ARC (optional)

Input voltage 220-240V AC 50Hz
Operating temperature 0°C – 40°C
CCT: 4000K

*Please refer to page 27-29

Accessories

Part Number	Description
BXA50-D	Exit sign metal box DOWN ARROW legend
BXA50-R	Exit sign metal box RIGHT ARROW legend
BXA50-L	Exit sign metal box LEFT ARROW legend
BXA50-SK	Suspension Kit 2m length wires
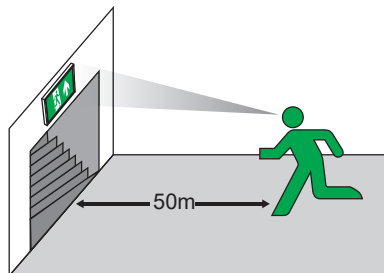
Emergency LED Exit Sign Blade

Exit sign with recess kit EXA30-RK

Please see in the next page part number with **-BLK** for black finish

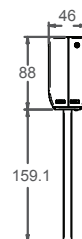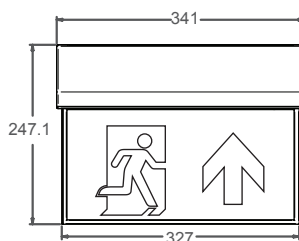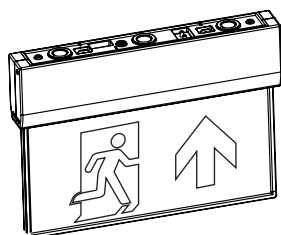30m viewing distance — 3 hour — Test Button — 50,000 hrs (LEDs) — **Self Test** Available — DALI 2 — Available — Warranty 5 Years Battery included — IK06 — LED

Key Features

- **Stylish** double sided self-contained emergency LED exit sign
- Long viewing distance **30m**
- Maintained and non-maintained configurations in the same exit sign box
- Low stand-by power consumption (0.5W for non-maintained mode)
- Lithium battery integrated with fast battery re-charged (8hrs)*
- 5 year warranty on the luminaire and battery**
- Compliant with **BS EN 60598-2-22**

- Supplied with UP arrow legend fitted and fixing kit
- Ceiling and recess mounts
- Self-test versions available
- Remote controls available. Please note:
  - ARC remote control is optional
  - PRC remote control is required
- Suitable for indoor applications such as educational and office buildings
- Pre-Wire Service available to required cable length and connector type

*First battery charge takes up to 16 hours
**Subject to Z10 Safety Ltd T&Cs

Part Number	Testing Facility*	Remote Control Part Number*
EXA30-MT	MT (Manual Test)	ARC (optional)
EXA30-AST	AST (Advance Self-Test)	ARC (optional)
EXA30-PST	PST (Programmable Self-Test)	PRC (required)
EXA30-DL	DALI-2 Addressable with Z10 certified PCB LPD1-DL	–
EXA30-AST-BLK	AST (Advance Self-Test)	ARC (optional)

Input voltage 220-240V AC 50Hz
Operating temperature 0°C – 40°C

*Please refer to page 27-29

Accessories

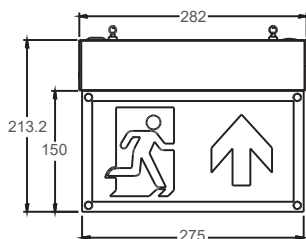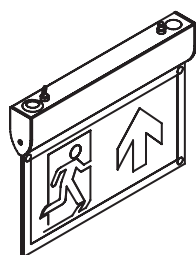| Part Number	Description
EXA30-D	Exit sign DOWN ARROW legend
EXA30-RL	Exit sign RIGHT-LEFT ARROW legend
EXA30-RK	Exit sign recess kit

30m
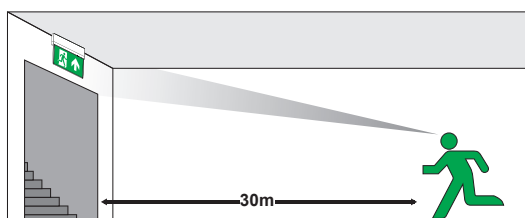
Emergency LED Exit Sign Suspension

Key Features

- **Stylish** double sided self-contained emergency LED exit sign
- Long viewing distance **24m**
- Maintained and non-maintained configurations in the same exit sign box
- Low stand-by power consumption (0.5W for non-maintained mode)
- Lithium battery integrated with fast battery re-charged (8hrs)*
- <u>5 year warranty</u> on the luminaire and battery**
- Compliant with **BS EN 60598-2-22**

- Supplied with UP arrow legend fitted and fixing kit
- Ceiling and recess mounts
- Self-test versions available
- Remote controls available. Please note:
  - ARC remote control is optional
  - PRC remote control is required
- Suitable for indoor applications such as educational and office buildings

*First battery charge takes up to 16 hours
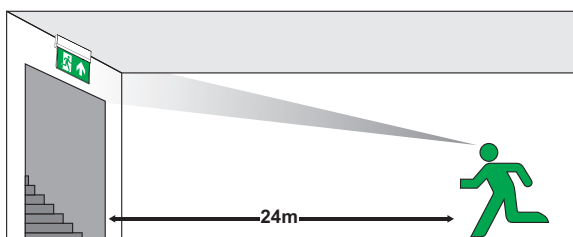**Subject to Z10 Safety Ltd T&Cs

14

Dimensions: 282, 213.2, 150, 275, 35.2, 3

Certifications: CE, UKCA, 05 Pending, RoHS

Part Number	Testing Facility*	Remote Control Part Number*
EXB24-MT	MT (Manual Test)	ARC (optional)
EXB24-AST	AST (Advance Self-Test)	ARC (optional)
EXB24-DL	DALI-2 Addressable with Z10 certified PCB LPD1-DL	–

Input voltage 220-240V AC 50Hz
Operating temperature 0°C – 40°C

*Please refer to page 27-29

Accessories

Part Number	Description
EXB-D	Exit sign DOWN ARROW legend
EXB-RL	Exit sign RIGHT-LEFT ARROW legend
EXB-WCK	Exit sign wall/ ceiling surface mounted kit
EXB-SW	Exit sign suspension wires 2m long
EXB-RK	Exit sign recess kit

24m

Emergency LED Recess Downlight

LED | IP **54** Front | IP **20** Back & LED driver | 50 | 3 hour | Emergency Lighting Output 325lm 3W Output Open Area and Spot lenses | 50,000 hrs (LEDs) | **Self Test** Available | DALI 2 | Available | Warranty 5 Years Battery included
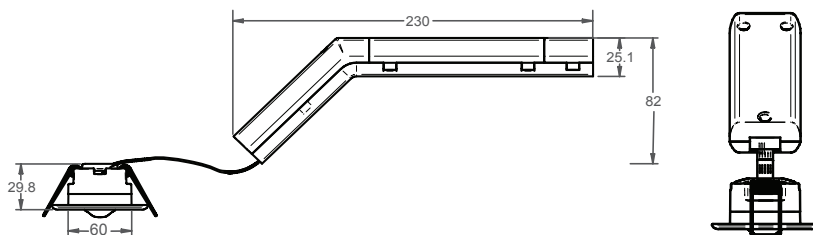
Key Features

- **Versatile** stand-alone self-contained emergency LED downlight
- Constant high lumen outputs in emergency mode **(up to 325lm)**
- **Non-maintained configuration**
- **Low stand-by power consumption (0.5W for non-maintained mode)**
- **Lithium battery integrated with fast battery re-charged (8hrs)***
- **5 year warranty** on the luminaire and battery**
- **Compliant with BS EN 60598-2-22**

- Open area, corridor and spot lens options
- 45° spot lens to secure 5 Lux at point of emphasis as required by BS EN 5266:2016
- Self-test versions available
- Remote controls available. Please note:
    - ARC remote control is optional
    - PRC remote control is required
- Suitable for open areas and escape routes in indoor applications such as educational and office buildings
- Pre-Wire Service available to required cable length and connector type

*First battery charge takes up to 16 hours
**Subject to Z10 Safety Ltd T&Cs

16

Lens	Part Number	Emergency Output	Emergency Lumen Output	Testing Facility*	Remote Control Part Number*
Open area (155°)	DLA3-OA1-MT	3W	325lm	MT (Manual Test)	ARC (optional)
	DLA3-OA1-AST	3W	325lm	AST (Advance Self-Test)	ARC (optional)
	DLA3-OA1-PST	3W	325lm	PST (Programmable Self-Test)	PRC (required)
	DLA3-OA1-DL	3W	325lm	DALI-2 Addressable with Z10 certified PCB LPD1-DL	–
Spot (45°)	DLA3-S45-MT	3W	325lm	MT (Manual Test)	ARC (optional)
	DLA3-S45-AST	3W	325lm	AST (Advance Self-Test)	ARC (optional)
	DLA3-S45-PST	3W	325lm	PST (Programmable Self-Test)	PRC (required)
	DLA3-S45-DL	3W	325lm	DALI-2 Addressable with Z10 certified PCB LPD1-DL	–

Input voltage 220-240V AC 50Hz
Operating temperature 0°C – 40°C
CCT: 4000K

*Please refer to page 27-29

Mini Emergency LED Recess Downlight

Please see in the next page part number with **-BLK** for black finish

Emergency Lighting Output

LED | 35 | 3 hour | 180lm 1.5W Output Open Area lens | 180lm 1.5W Output Corridor lens | 50,000 hrs (LEDs) | **Self Test** | Available | Warranty 5 Years Battery included

Key Features

- **Versatile** stand-alone self-contained emergency LED downlight
- Constant high lumen outputs in emergency mode (**up to 190lm**)
- **Black finish** available (add –BLK to the part number)
- Non-maintained configuration
- Low stand-by power consumption (0.5W for non-maintained mode)
- Lithium battery integrated with fast battery re-charged (8hrs)*
- <u>5 year warranty</u> on the luminaire and battery**
- Compliant with **BS EN 60598-2-22**

- Open area and corridor lens options
- Pre-wired with a 26cm cable lead
- Self-test functions can be enable with remote control ARC
- Remote controls available. Please note:
  - ARC remote control is optional
  - PRC remote control is required
- Suitable for open areas and escape routes in indoor applications such as educational and office buildings

*First battery charge takes up to 16 hours
**Subject to Z10 Safety Ltd T&Cs
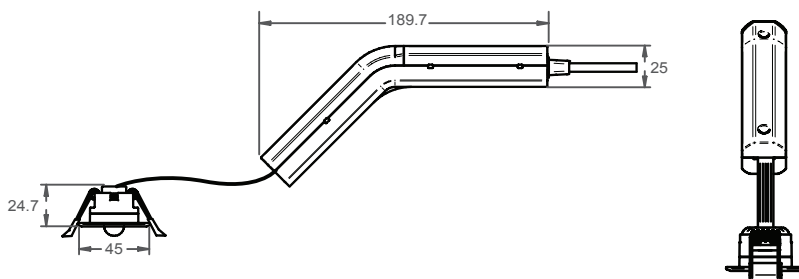
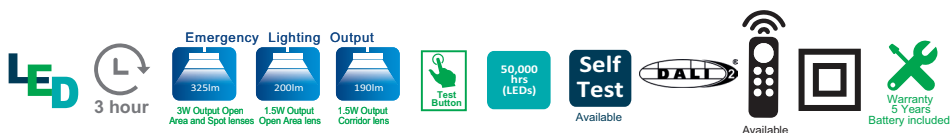| Lens	Part Number	Emergency Output	Emergency Lumen Output	Testing Facility*	Remote Control Part Number*
Open area (125°)	DLC1.5-OA2-AST	1.5W	190lm	AST (Advance Self-Test)	ARC (optional)
Corridor (145°x75°)	DLC1.5-C-AST	1.5W	180lm	AST (Advance Self-Test)	ARC (optional)
Open area (125°)	DLC1.5-OA2-AST-BLK	1.5W	190lm	AST (Advance Self-Test)	ARC (optional)
Corridor (145°x75°)	DLC1.5-C-AST-BLK	1.5W	180lm	AST (Advance Self-Test)	ARC (optional)

Input voltage 220-240V AC 50Hz
Operating temperature 0°C – 40°C
CCT: 4000K

*Please refer to page 27-29

Note: Self-test function is disabled by default. If self-test function is required please use remote control ARC to enable it.

Emergency LED Surface Downlight

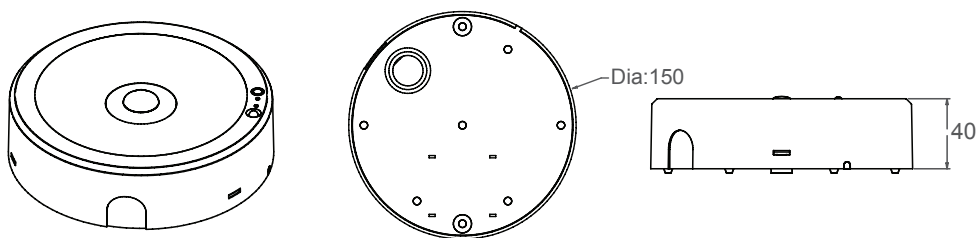Please add **-BLK** to the part number for black finish

Emergency	Lighting	Output
325lm	200lm	190lm
3W Output Open Area and Spot lenses	1.5W Output Open Area lens	1.5W Output Corridor lens

LED · 3 hour · Test Button · 50,000 hrs (LEDs) · **Self Test** Available · DALI 2 · Available · Warranty 5 Years Battery included

Key Features

- **Versatile** stand-alone self-contained emergency LED downlight
- **Black finish** available (add –BLK to the part number)
- **Constant high lumen outputs in emergency mode (up to 325lm)**
- **Non-maintained configuration**
- **Low stand-by power consumption (0.5W for non-maintained mode)**
- **Lithium battery integrated with fast battery re-charged (8hrs)***
- **5 year warranty on the luminaire and battery****
- **Compliant with BS EN 60598-2-22**

- Open area, corridor and spot lens options
- 45° spot lens to secure 5 Lux at point of emphasis as required by BS EN 5266:2016
- Self-test versions available
- Remote controls available. Please note:
  - ARC remote control is optional
  - PRC remote control is required
- Suitable for open areas and escape routes in indoor applications such as educational and office buildings
- Pre-Wire Service available to required cable length and connector type

*First battery charge takes up to 16 hours
**Subject to Z10 Safety Ltd T&Cs

20

Dia:150

40

Lens	Part Number	Emergency Output	Emergency Lumen Output	Testing Facility*	Remote Control Part Number*
Open area (125°)	DLB1.5-OA2-MT	1.5W	200lm	MT (Manual Test)	ARC (optional)
	DLB1.5-OA2-AST	1.5W	200lm	AST (Advance Self-Test)	ARC (optional)
	DLB1.5-OA2-PST	1.5W	200lm	PST (Programmable Self-Test)	PRC (required)
	DLB1.5-OA2-DL	1.5W	200lm	DALI-2 Addressable with Z10 certified PCB LPD1-DL	–
	DLB3-OA2-MT	3W	325lm	MT (Manual Test)	ARC (optional)
	DLB3-OA2-AST	3W	325lm	AST (Advance Self-Test)	ARC (optional)
	DLB3-OA2-PST	3W	325lm	PST (Programmable Self-Test)	PRC (required)
	DLB3-OA2-DL	3W	325lm	DALI-2 Addressable with Z10 certified PCB LPD1-DL	–
Corridor (145°x75°)	DLB1.5-C-MT	1.5W	190lm	MT (Manual Test)	ARC (optional)
	DLB1.5-C-AST	1.5W	190lm	AST (Advance Self-Test)	ARC (optional)
	DLB1.5-C-PST	1.5W	190lm	PST (Programmable Self-Test)	PRC (required)
	DLB1.5-C-DL	1.5W	190lm	DALI-2 Addressable with Z10 certified PCB LPD1-DL	–
Open area (155°)	DLB3-OA1-MT	3W	325lm	MT (Manual Test)	ARC (optional)
	DLB3-OA1-AST	3W	325lm	AST (Advance Self-Test)	ARC (optional)
	DLB3-OA1-PST	3W	325lm	PST (Programmable Self-Test)	PRC (required)
	DLB3-OA1-DL	3W	325lm	DALI-2 Addressable with Z10 certified PCB LPD1-DL	-
Spot (45°)	DLB3-S45-MT	3W	325lm	MT (Manual Test)	ARC (optional)
	DLB3-S45-AST	3W	325lm	AST (Advance Self-Test)	ARC (optional)
	DLB3-S45-PST	3W	325lm	PST (Programmable Self-Test)	PRC (required)
	DLB3-S45-DL	3W	325lm	DALI-2 Addressable with Z10 certified PCB LPD1-DL	-

Input voltage 220-240V AC 50Hz
Operating temperature 0°C – 40°C
CCT: 4000K

Emergency LED Twin Spot

LED | IP 65 | IK10 | 3 hour | 50,000 hrs (LEDs) | Self Test *Available* | DALI | *Available* | ▣ | Warranty 5 Years Battery included

Key Features

- **Weatherproof** (IP65) and **robust** (IK10) self-contained emergency LED twin spot
- **Constant high lumen output in emergency mode (up to 1000lm)**
- **Non-maintained configuration**
- **Low stand-by power consumption (0.5W for non-maintained mode)**
- **Lithium battery integrated with fast battery re-charged (8hrs)***
- **5 year warranty on the luminaire and battery**
- **Compliant with BS EN 60598-2-22**

- Rotatable (160°) and tiltable (90°) spot lights
- 20mm knock-outs for conduit installations
- Supplied with IP65 cable gland and fixing kit
- Self-test versions available
- Remote controls available. Please note:
    - ARC remote control is optional
    - PRC remote control is required
- Suitable for indoor and outdoor applications such as car parks, distribution centres, storage rooms, warehouses and large open space areas
- Pre-Wire Service available to required cable length and connector type

*First battery charge takes up to 16 hours
**Subject to Z10 Safety Ltd T&Cs
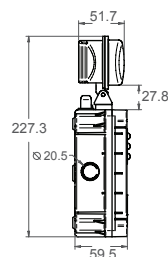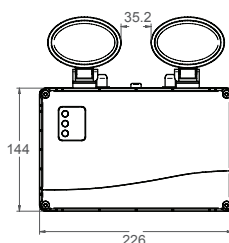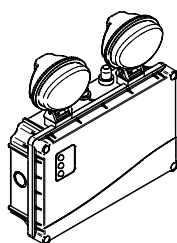
Part Number	Emergency Output	Emergency Lumen Output	Testing Facility*	Remote Control Part Number*
TSA3-MT	2x1.5W	400lm	MT (Manual Test)	ARC (optional)
TSA3-AST	2x1.5W	400lm	AST (Advance Self-Test)	ARC (optional)
TSA3-PST	2x1.5W	400lm	PST (Programmable Self-Test)	PRC (required)
TSA3-DL	2x1.5W	400lm	DALI-2 Addressable with Z10 certified PCB LPD1-DL	-
TSA6-AST	2x3W	1000lm	AST (Advance Self-Test)	ARC (optional)

Input voltage 220-240V AC 50Hz
Operating temperature 0°C – 40°C
CCT: 4000K

High Ceiling Emergency LED Luminaire

Product shown with bracket option

|								
LED	**IP 65**	**IK10**	**3 hour**	Emergency Lighting Output 850lm 5W Output	50,000 hrs (LEDs)	**Self Test** Available	Available	Warranty 5 Years Battery included

Key Features

- **Multipurpose stand-alone self-contained emergency high output ceiling LED luminaire**
- **High lumen output in emergency mode (850lm)**
- **Maintained and Non-maintained configurations in the same luminaire**
- **Low stand-by power consumption (0.5W for non-maintained mode)**
- **Lithium battery integrated with fast battery re-charged (8 hrs)***
- **Up to 5 year warranty on the luminaire and battery****
- **Compliant with BS EN 60598-2-22**

- Suitable for BESA and 20mm conduit installations
- Supplied with IP65 cable gland and fixing kit
- Self-test function can be enabled with remote control ARC
- Remote controls available. Please note:
  - ARC remote control is optional
- Suitable for indoor and outdoor applications such as car parks, distribution centres, storage rooms and sports centres
- Pre-Wire Service available to required cable length and connector type

*First battery charge takes up to 16 hours
**Subject to Z10 Safety Ltd T&Cs

24

258.57

200

200
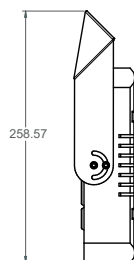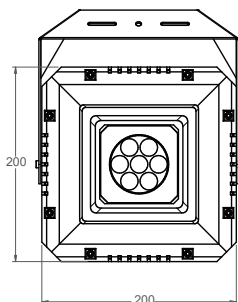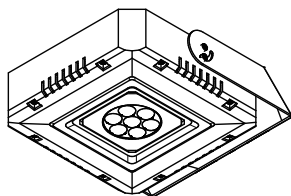
Product shown with bracket option

Pending

RoHS

Part Number	Emergency Output	Mains/Emergency Lumen Output	Testing Facility*	Remote Control Part Number*
HCA5-C-AST	5W	850lm	AST (Advance Self-Test)	ARC (optional)

Input voltage 220-240V AC 50Hz
Operating temperature 0°C – 40°C
CCT: 4000K

Accessories

Part Number	Description
HCA-B	Bracket
HCA-L45	45° Lens
HCA-L80	80° Lens
HCA-L125	125° Lens

Remote Emergency Packs

| 3 hour | Emergency Lighting Output 3W Output 6W Output | CE | UKCA | 05 | CB | Self Test | DALI 2 | | | * Warranty 5 Years Battery included |
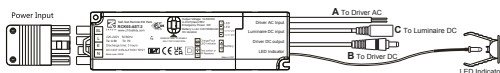
	RCK55-AST-3	**RCK55-AST-6**	**RCK300-AST-3**	**RCK300-AST-6**
Rated supply voltage	220-240 V AC			
Mains frequency	50 / 60 Hz			
Max power consumption	5W (only during chargin mode)			
Standby power	< 0.8W			
Emergency output power	3W Constant Power	6W Constant Power	3W Constant Power	6W Constant Power
LED forward voltage range	10-55 V DC		50-300V DC	
Max.output voltage	55 V DC		300V DC	
Emergency rated duration	3 hours			
Battery charging time	Up to 8 hours (first charge up to 16 hours)	Up to 16 hours (first charge up to 24 hours)	Up to 8 hours (first charge up to 16 hours)	Up to 16 hours (first charge up to 24 hours)
Max. Ambient temp.	45 °C			
Max. battery temp.	60 °C			
Safety class	II			
Dimensions (HxWxL)	25.6x55x223 mm	25.6x75.8x223mm	25.6x55x223 mm	25.6x75.8x223mm
Battery types	18650 Li-ion 3.6V 5000 mAh	18650 Li-ion 3.6V 10000 mAh	18650 Li-ion 3.6V 5000 mAh	18650 Li-ion 3.6V 10000 mAh

* Subject to Z10 Safety Ltd T&Cs.

**DALI-2 options available, contact Z10 Safety Ltd for more information

MT (Manual Test)

This luminaire needs to be tested by an competent person according to BS EN 50172:2004. This luminaire can be used in conjunction with the Advanced Remote Control (ARC). ARC is an optional tool that adds new features to AST and MT emergency luminaires. If functional test or full duration test is initiated via ARC the MT luminaire will automatically switch to mains mode after the functional or full duration test is completed. This luminaire has an integrated test button for quick functional test.

Note that MT emergency luminaires work independently from the remote control. ARC remote control is an optional tool.

AST (Advanced Self-Test)

This is a self-test luminaire. Functional test is carried out automatically once a week and runs for 30seconds. Full duration test is carried out automatically every 52 weeks. First full duration test is carried out automatically within the first 4 weeks after the luminaire being connected to mains voltage. This luminaire can be used in conjunction with the Advanced Remote Control (ARC). ARC is an optional tool that adds extra features to AST emergency luminaires. Please refer to the ARC user guide.

Note that AST emergency luminaires work independently from the remote control. ARC remote control is an optional tool.

PST (Programmable Self-Test)

This is a programmable self-test luminaire. It must be used in conjunction with a Programmable Remote Control (PRC). Please refer to PRC user guide.

Note that PST luminaires require PRC remote control for operation and "testing schedule" programming.

DALI-2 (Digital Addressable Lighting Interface)

This version is suitable to operate under a DALI-2 system which allows two-way communication between devices in order to report luminaire health status.
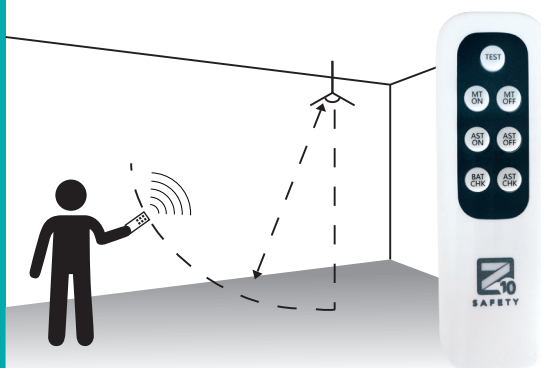
MT (Manual Test)

MT emergency luminaires must be tested by accredited engineer. Optional ARC remote control adds extra functions.
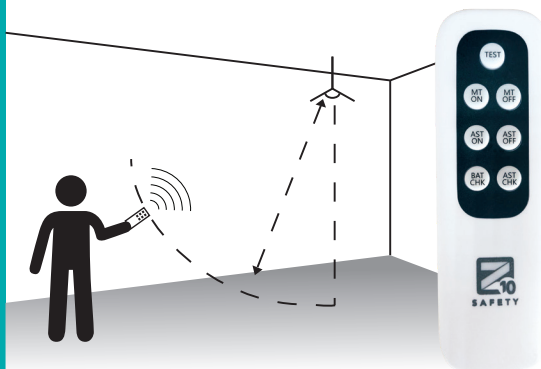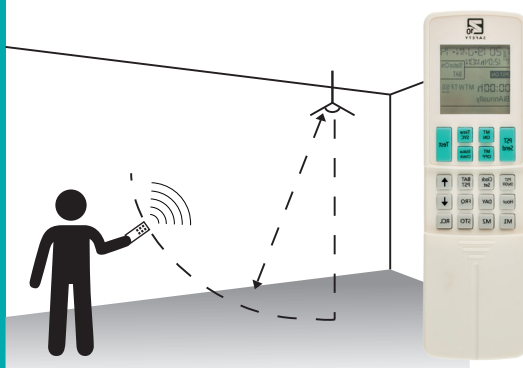
AST (Advanced Self-Test)

AST emergency luminaires are self-test units. ARC remote control adds with the possibility to add extra functions with ARC remote control.

PST (Programmable Self-Test)

PST emergency luminaires can be programmed with PRC remote control to meet specific end-user requirements.

Remote Controls

Advanced Remote Control (ARC)

ARC is a multifunction remote control suitable only for MT and AST luminaires.

Our ARC remote control provides the person responsible for the emergency lighting with the means to check battery life and the self-testing status; and carry out functional and full duration tests without needing the use of key switch or a ladder or a cherry picker – a key health and safety issue.

Please contact us for further information or refer to ARC user guide.

Note that MT and AST emergency luminaires work independently from the remote control. ARC remote control is an optional tool.

Programmable Remote Control (PRC)

PRC is a multifunction remote control suitable only for PST luminaires.

Our PRC remote control provides the person responsible for the emergency lighting with the means to check battery life and the self-testing status; and carry out functional and full duration tests without needing the use of a ladder or a cherry picker – a key health and safety issue. Moreover, it gives the possibility to programme exactly when the unit should carry out automatic tests, specifically at times of low risk on the premises.

Please contact us for further information or refer to PRC user guide.

Note that PST luminaires require PRC remote control for operation and "testing schedule" programming.

GRANITE Emergency LED Bulkhead

Model Number	Mounting height (m)	Lux level directly under	Anti-panic 0.5 lux				Escape Route 1 lux			
			Transverse to Wall	Transverse to Transverse	Axial to Axial	Axial to Wall	Transverse to Wall	Transverse to Transverse	Axial to Axial	Axial to Wall
BHD1.5 & BHE1.5	2.5	15.0	4.0	9.6	9.6	3.9	3.2	8.0	7.8	3.1
	3	11.2	4.3	10.5	10.3	4.2	3.4	8.6	8.4	3.3
	3.5	8.0	4.6	11.3	11.0	4.4	3.5	9.1	8.9	3.4
	4	4.7	4.8	11.9	11.6	4.6	3.5	9.5	9.2	3.4
BHA3	2.5	27.9	4.6	11.1	11.2	4.6	3.8	9.4	9.3	3.8
	3	21.4	5.0	12.2	12.2	5.0	4.1	10.2	10.0	4.1
	3.5	15.0	5.4	13.3	13.0	5.4	4.4	10.9	10.7	4.3
	4	8.6	5.7	14.0	13.8	5.6	4.5	11.5	11.3	4.5
	4.5	7.4	6.0	14.8	14.5	5.9	4.7	12.1	11.8	4.6
	5	6.2	6.2	15.5	15.2	6.1	4.7	12.5	12.2	4.6
	5.5	5.0	6.4	16.1	15.8	6.3	4.7	12.9	12.5	4.6
	6	3.8	6.5	16.7	16.3	6.4	4.6	13.2	12.8	4.5

## EYES Emergency LED Twin Spot

Emergency Lighting mode	Mounting height (m)	Lux level directly under	Angle (φ)	Anti-panic 0.5 lux		Escape Route 1 lux	
				Transverse to Wall	Transverse to Transverse	Transverse to Wall	Transverse to Transverse
TSA3	2.5	12.4	55°	4.2	14.7	3.3	11.4
	3	9.5	55°	4.5	15.4	3.3	11.8
	3.5	6.7	55°	4.6	16.0	3.4	12.1
	4	7.0	40°	5.3	16.1	4.2	12.0
	4.5	6.1	40°	5.5	16.5	4.2	12.1
	5	5.1	40°	57	16.8	4.2	12.1
	5.5	4.1	40°	5.9	17.0	4.0	12.1
	6	3.4	25°	6.4	16.2	4.3	12.7
	6.5	3.1	25°	6.4	16.7	4.1	12.9
	7	27	25°	6.4	17.2	3.8	12.9
	7.5	2.3	25°	6.4	17.5	3.5	12.8
	8	2.1	15°	6.5	18.7	3.4	13.3

*For full photometric spacing data please refer to data sheets on our website.

MAX-EM and VISUAL Emergency LED downlight

Model Number	Mounting height (m)	Lux level directly under	Anti-panic 0.5 lux				Escape Route 1 lux			
			Transverse to Wall	Transverse to Transverse	Axial to Axial	Axial to Wall	Transverse to Wall	Transverse to Transverse	Axial to Axial	Axial to Wall
DLA1.5-OA2 DLB1.5-OA2	2	6.2	3.8	8.1	8.1	3.8	3.6	7.6	7.8	3.1
	2.5	5.1	4.6	9.8	9.8	4.5	4.1	9.1	7.8	3.1
	3	3.9	5.2	11.3	11.3	5.2	4.5	10.3	8.4	3.3
	3.5	2.7	5.7	12.7	12.8	5.7	4.2	11.3	8.9	3.4
	4	1.6	6.1	14.0	14.1	6.1	2.8	11.3	9.2	3.4
DLA1.5-C DLB1.5-C	2	10.1	-	-	-	-	1.9	4.7	12.1	5.2
	2.5	8.2	-	-	-	-	2.0	5.1	13.7	5.7
	3	6.3	-	-	-	-	2.0	5.4	14.9	6.0
	3.5	4.4	-	-	-	-	2.0	5.6	16.1	4.6
	4	2.5	-	-	-	-	1.8	5.7	15.6	4.2
DLA3-OA1 DLB3-OA1	2	6.2	5.2	12.1	12.0	5.1	4.6	10.7	10.6	4.5
	2.5	5.0	6.0	14.0	13.8	5.9	5.2	12.3	12.1	4.9
	3	3.9	6.7	15.7	15.5	6.5	5.4	13.7	13.4	5.0
	3.5	2.7	7.3	17.3	20.0	6.9	3.9	14.8	14.3	4.0
	4	1.5	7.5	18.7	18.4	7.1	1.5	14.0	14.1	1.5
	4.5	1.3	7.5	20.0	19.4	6.7	-	11.8	11.4	-
	5	1.1	5.3	20.9	20.2	5.5	-	9.9	9.7	-
	5.5	0.9	2.5	20.2	20.2	4.7	-	-	-	-
	6	0.7	-	18.2	18.4	-	-	-	-	-
DLA3-S45 DLB3-S45	2	161.0	1.1	2.3	2.4	1.1	1.1	2.3	2.4	1.1
	2.5	130.8	1.4	2.9	3.0	1.4	1.4	2.9	3.0	1.4
	3	100.7	1.7	3.5	3.6	1.7	1.7	3.5	3.6	1.7
	3.5	70.5	2.0	4.0	4.2	2.0	2.0	4.0	4.1	2.0
	4	40.3	2.3	4.6	4.8	2.3	2.2	4.6	4.6	2.2
	4.5	34.7	2.5	5.2	5.4	2.6	2.5	5.1	5.1	2.5
	5	29.1	2.8	5.8	5.8	2.8	2.7	5.7	5.7	2.8
	5.5	23.5	3.1	6.3	6.3	3.1	2.9	6.2	6.2	3.0
	6	17.9	3.3	6.9	6.9	3.4	3.2	6.7	6.7	3.2

*For full photometric spacing data please refer to data sheets on our website.

Notes

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

Z10 SAFETY

Suite 501 The Nexus Building, Broadway, Letchworth Garden City, Hertfordshire. SG6 9BL
T 0208 00 48 551   E enquire@z10safety.com   W www.z10safety.com