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## **Product Guide** Emergency Lighting Solutions



**Z10 Safety Ltd** is committed to bring fully BS EN 60598-2-22 compliant emergency lighting solutions to the market. At Z10 Safety we talk 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, Z10 Safety current product portfolio offers multiple emergency lighting solutions suitable for a wide range of applications. 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 the luminaire and battery.

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## **Emergency LED Bulkhead**





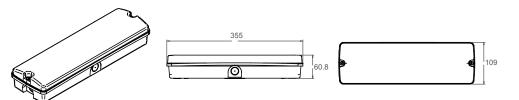




## **Key Features**

- Weatherproof (IP65) and robust (IK10) self-contained emergency LED bulkhead
- High lumen outputs in emergency mode (170lm and 320lm)
- 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)\*
- <u>5 year warranty</u> 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

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Part Number	Emergency Output	Mains/Emergency Lumen Output	Testing Facility*	Remote Control Part Number*
BHA1.5-SD	1.5W	170 / 170 lm	SD (Standard)	-
BHA1.5-AST	1.5W	170 / 170 lm	AST (Advance Self-Test)	ARC (optional)
BHA1.5-PST	1.5W	170 / 170 lm	PST (Programmable Self-Test)	PRC (required)
BHA3-AST	3W	320 / 320 lm	AST (Advance Self-Test)	ARC (optional)
BHA3-PST	3W	320 / 320 lm	PST (Programmable Self-Test)	PRC (required)
BHA12-AST	1.5W	1400 /170 lm	AST (Advance Self-Test)	ARC (optional)

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

## 'MINI' Emergency LED Bulkhead





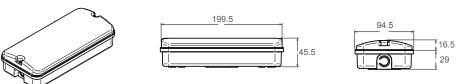




## **Key Features**

- 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)\*
- <u>5 year warranty</u> 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

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

Input voltage 220-240V AC 50Hz Operating temperature 0°C – 40°C CCT: 4000K \*Please refer to page 20-22

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**

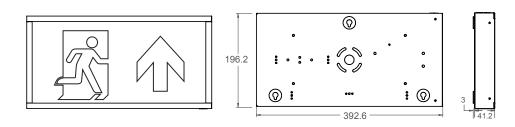




## **Key Features**

- Slim self-contained emergency LED exit sign box
- Long viewing distance 34m. ٠
- Maintained and non-maintained configurations in the same • exit sign box
- Low stand-by power consumption (0.5W for non-maintained mode) ٠
- Lithium battery integrated with fast battery re-charged (8hrs)\* •
- **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
- Pre-Wire Service available to required cable length and connector type

\*First battery charge takes up to 16 hours



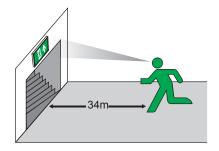
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Part Number	Testing Facility*	Remote Control Part Number*
BXA34-SD	SD (Standard)	-
BXA34-AST	AST (Advance Self-Test)	ARC (optional)
BXA34-PST	PST (Programmable Self-Test)	PRC (required)
Input voltage 220-240	DV AC 50Hz	*Please refer to page 20-22

Operating temperature 0°C – 40°C CCT: 4000K

#### **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



## **Emergency LED Exit Sign**







## **Key Features**

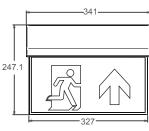
- Stylish double sided self-contained emergency LED exit sign
- Long viewing distance 30m

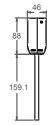
Exit sign with recess kit EXA30-RK

- 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
- Pre-Wire Service available to required cable length and connector type

\*First battery charge takes up to 16 hours





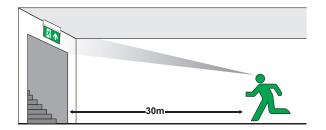


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Part Number	Testing Facility*	Remote Control Part Number*
EXA30-MT	MT (Manual Test)	ARC (optional)
EXA30-AST	AST (Advance Self-Test)	ARC (optional)
EXA30-PST	PST (Programmable Self-Test)	PRC (required)
Input voltage 220-240 Operating temperatur		*Please refer to page 20-22

#### 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



# **Emergency LED Downlight**

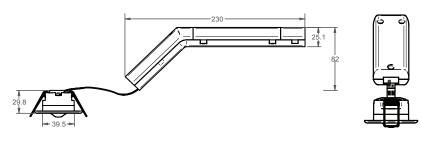




## **Key Features**

- Versatile stand-alone self-contained emergency LED downlight
- Constant high lumen outputs in emergency mode (up to 270lm)
- 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, 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



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Lens	Part Number	Emergency Output	Emergency Lumen Output	Testing Facility*	Remote Control Part Number*
	DLA1.5-OA2-MT	1.5W	150lm	MT (Manual Test)	ARC (optional)
	DLA1.5-OA2-AST	1.5W	150lm	AST (Advance Self-Test)	ARC (optional)
Open area	DLA1.5-OA2-PST	1.5W	150lm	PST (Programmable Self-Test)	PRC (required)
(125°)	DLA3-OA2-MT	3W	270lm	MT (Manual Test)	ARC (optional)
	DLA3-OA2-AST	3W	270lm	AST (Advance Self-Test)	ARC (optional)
	DLA3-OA2-PST	3W	270lm	PST (Programmable Self-Test)	PRC (required)
	DLA1.5-C-MT	1.5W	140lm	MT (Manual Test)	ARC (optional)
Corridor (145°x75°)	DLA1.5-C-AST	1.5W	140lm	AST (Advance Self-Test)	ARC (optional)
	DLA1.5-C-PST	1.5W	140lm	PST (Programmable Self-Test)	PRC (required)
	DLA3-OA1-MT	3W	270lm	MT (Manual Test)	ARC (optional)
Open area (155°)	DLA3-OA1-AST	3W	270lm	AST (Advance Self-Test)	ARC (optional)
. ,	DLA3-OA1-PST	3W	270lm	PST (Programmable Self-Test)	PRC (required)
	DLA3-S45-MT	3W	270lm	MT (Manual Test)	ARC (optional)
Spot (45°)	DLA3-S45-AST	3W	270lm	AST (Advance Self-Test)	ARC (optional)
	DLA3-S45-PST	3W	270lm	PST (Programmable Self-Test)	PRC (required)

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

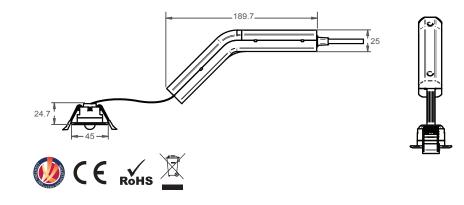
# 'MINI' LED Downlight





## **Key Features**

- Versatile stand-alone self-contained emergency LED downlight
- Constant high lumen outputs in emergency mode (up to 150lm)
- 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



Lens	Part Number	Emergency Output	Emergency Lumen Output	Testing Facility*	Remote Control Part Number*
Open area (125°)	DLC1.5-OA2-AST	1.5W	150lm	AST (Advance Self-Test)	ARC (optional)
Corridor (145°x75°)	DLC1.5-C-AST	1.5W	140lm	AST (Advance Self-Test)	ARC (optional)

Input voltage 220-240V AC 50Hz Operating temperature 0°C – 40°C CCT: 4000K \*Please refer to page 20-22

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

\*First battery charge takes up to 16 hours

# 'Surface' Emergency LED Downlight

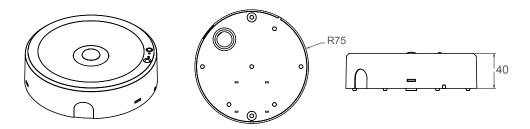




## **Key Features**

- Versatile stand-alone self-contained emergency LED downlight
- Constant high lumen outputs in emergency mode (up to 270lm)
- 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, 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





Lens	Part Number	Emergency Output	Emergency Lumen Output	Testing Facility*	Remote Control Part Number*
	DLB1.5-OA2-MT	1.5W	150lm	MT (Manual Test)	ARC (optional)
	DLB1.5-OA2-AST	1.5W	150lm	AST (Advance Self-Test)	ARC (optional)
Open area	DLB1.5-OA2-PST	1.5W	150lm	PST (Programmable Self-Test)	PRC (required)
(125°)	DLB3-OA2-MT	3W	270lm	MT (Manual Test)	ARC (optional)
	DLB3-OA2-AST	3W	270lm	AST (Advance Self-Test)	ARC (optional)
	DLB3-OA2-PST	3W	270lm	PST (Programmable Self-Test)	PRC (required)
	DLB1.5-C-MT	1.5W	140lm	MT (Manual Test)	ARC (optional)
Corridor (145°x75°)	DLB1.5-C-AST	1.5W	140lm	AST (Advance Self-Test)	ARC (optional)
	DLB1.5-C-PST	1.5W	140lm	PST (Programmable Self-Test)	PRC (required)
	DLB3-OA1-MT	3W	270lm	MT (Manual Test)	ARC (optional)
Open area (155°)	DLB3-OA1-AST	3W	270lm	AST (Advance Self-Test)	ARC (optional)
	DLB3-OA1-PST	3W	270lm	PST (Programmable Self-Test)	PRC (required)
	DLB3-S45-MT	3W	270lm	MT (Manual Test)	ARC (optional)
Spot (45°)	DLB3-S45-AST	3W	270lm	AST (Advance Self-Test)	ARC (optional)
	DLB3-S45-PST	3W	270lm	PST (Programmable Self-Test)	PRC (required)

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

## **Emergency LED Twin Spot**

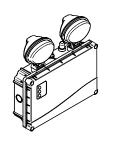


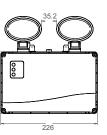


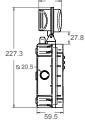
## **Key Features**

- Weatherproof (IP65) and robust (IK10) self-contained emergency LED twin spot
- Constant high lumen output in emergency mode (350lm)
- 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









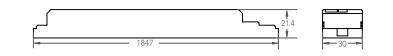
Part Number	Emergency Output	Emergency Lumen Output	Testing Facility*	Remote Control Part Number*	
TSA3-MT	2x1.5W	350lm	SD (Standard)	ARC (optional)	
TSA3-AST	2x1.5W	350lm	AST (Advance Self-Test)	ARC (optional)	
TSA3-PST	2x1.5W	350lm	PST (Programmable Self-Test)	PRC (required)	

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

## **EM Conversion Kit**









CK300-AST

CK55.ASTA

## **Key Features**

- Complete kit for 3 and 1 hour emergency lighting
- Designed for wide range of LED loads (up to 300V forward voltage)
- Compatible with Li ion, LiFePO4 and Ni MH battery technologies
- Up to <u>5 year warranty</u>\* on the EM converter and battery
- Compliant with BS EN 60598-2-22

\*Subject to T&C.

- Remote control available
- Self-test function can be enabled with remote control ARC
- Supplied with high intensity bi-colour LED indicator
- For self-contained luminaires
- Small dimensions for easy integration (21.4 x 184.7)

	CK33-A51-0		CK300-A51-6		
Rated supply voltage	220-240 Vac		220-240	) Vac	
Mains frequency	50 / 60 Hz		50 / 60	Hz	
Max power consumption	5W		5W		
Standby power	< 0.8W		< 0.8W		
Emergency output power	2.5-6.5W constant po	ower	2.5-6.5	N constant power	
LED forward voltage range	10-55 Vdc		50-300	Vdc	
Max.output voltage	60 Vdc		310 Vd	2	
Emergency rated duration	1 & 3 hours		1 & 3 hours		
Battery charging time	< 16 hours		< 16 hours		
Max. Ambient temp.	25 °C		25 °C		
Max. battery temp.	60 °C		60 °C		
Safety class	II		II		
Dimensions ( H x W x L )	21.4 x 30 x 184.7 mm	ı	21.4 x 3	30 x 184.7 mm	
	18670 * NiMH	3.6V 3700m	٩H	2.5W	
	18670 * NiMH	4.8V 3700m	۹H	3.5W	
Battery types / Output power	18650 * Li-ion	3.6V 5000m	٩H	3W	
( 3hr emergency lighting )	26650 * Li-FePO4	3.2V 6600m	٩H	3.5W	
	18650 * Li-ion	3.6V 10000m	ηAH	6W	
	26650 * Li-FePO4	3.2V 13200m	ηAH	6.5W	

Note 1: Self-test function is disabled by default. If self-test function is required please use remote control ARC to enable it. Please refer to page 20-22.

\*Note 2: All EM conversion kits are supplied as complete kit including the battery. EM conversion kits with Li ion batteries carry a 5 year warranty inclusive battery (subject to T&C). Other EM conversion kits carry 3 year warranty.

# **Testing Facilities**



#### SD (Standard)

Functional and full duration tests must be initiated and carried out manually according to BS EN 50172:2004. This luminaire has an integrated test button for quick functional test.

#### 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.

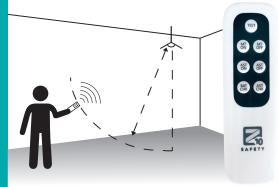
#### **PST (Programmable Self-Test)**

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.

#### 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.

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#### PST (Programmable Self-Test)

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

Please refer to page 22 for further explanation on remote controls



## **Remote Controls**

## **Photometric Spacing Data**



Escape Poute 1

#### 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**

				Anti-panic 0.5 lux			Escape Route 1 lux			
Model	Mounting	Lux level directly	<b>∄</b> ⊷[] Transverse	<b>□</b> ←→□ Transverse	Axial to	Axial to	<b>∄</b> ⊷[] Transverse	<b>□</b> ←→ <b>□</b> Transverse	Axial to	Axial to
Number	height (m)	under	to Wall	to Transverse	Axial	Wall	to Wall	to Transverse	Axial	Wall
	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
BHA1.5	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
	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
DUAD	4	8.6	5.7	14.0	13.8	5.6	4.5	11.5	11.3	4.5
BHA3	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 Anti-panic 0.5 lux

			- oper					
Emergency Lighting mode	Mounting height (m)	Lux level directly under	Angle (ф)	<b>∄</b> ↔∏ Transverse to Wall	<b>∏</b> ←→ <b>∏</b> Transverse to Transverse	<b>∄</b> ↔[] Transverse to Wall	<b>∏</b> ↔ Transverse to Transverse	
TSA3	2.5	12.4		4.2	14.7	3.3	11.4	
	3	9.5	55°	4.5	15.4	3.3	11.8	
	3.5	6.7		4.6	16.0	3.4	12.1	
	4	7.0		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		5.9	17.0	4.0	12.1	
	6	3.4		6.4	16.2	4.3	12.7	
	6.5	3.1	25°	6.4	16.7	4.1	12.9	
	7	27		6.4	17.2	3.8	12.9	
	7.5	2.3		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

# Photometric Spacing Data



#### MAX-EM and VISUAL Emergency LED downlight

						-					
			Anti-panic 0.5 lux				Escape Route 1 lux				
Model Number	Mounting height (m)	Lux level directly under	<b>∄</b> ↔ <b>[</b> ] Transverse to Wall	[] ← → [] Transverse to Transverse	Axial to Axial	Axial to Wall	<b>∄</b> ↔ <b>[</b> ] 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	
DLD1.J-C	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.

