EASi
LED Lighting

Emergency Lighting

SPOT Emergency Downlight
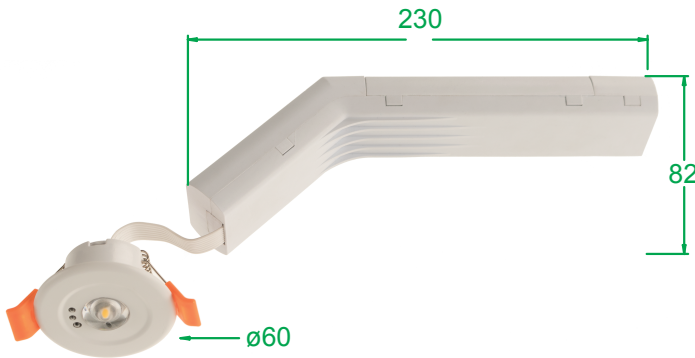
5 FIVE YEARS WARRANTY

230

82

ø60

Specification: Stand-alone self-contained emergency LED downlight. Constant emergency light (1.5W/150lm & 3W/270lm) for 3 hours. Low stand-by power consumption (0.5W). Self-test versions and remote controls available. Lithium battery integrated. Non-maintained configuration. Ceiling recessed mounting. Suitable for open area and corridor indoor applications.

LED | **Self Test** * | **50,000 hrs (LEDs)** | **50**

Emergency Lighting Output
- 270lm Lumens — 3W Output Open Area and Spot lenses
- 150lm Lumens — 1.5W Output Open Area lens
- 140lm Lumens — 1.5W Output Corridor lens

3 hour

Warranty 5 Years Battery included | LIGHTING INDUSTRY ASSOCIATION | CE | RoHS | (WEEE) | ▫ | **IP 54** Front | **IP 20** Back & LED driver

* Self-test only available on AST and PST versions

Key Features

- **Non-maintained configuratio**
- **High lumen output in emergency mod**
- **Fast battery re-charge (8 hrs)**
- **Low stand-by power consumption (0.5 W**
- **Open area, corridor and spot lens option**
- **Remote control availabl**

* First battery charge takes up to 16 hours

MAX Emergency Downlight

Part number	Description	Testing facility	Remote control part number *	Operating temperature	Net weight
DLA1.5-OA2-MT	Recessed LED downlight NM 1.5W 150lm open area MT	Manual Test (MT)	ARC		
DLA1.5-OA2-AST	Recessed LED downlight NM 1.5W 150lm open area Self Test AST	Advance Self-Test (AST)	ARC		
DLA1.5-OA2-PST	Recessed LED downlight NM 1.5W 150lm open area Self Test PST	Programmable Self-Test (PST)	PRC		0.20 kg
DLA1.5-C-MT	Recessed LED downlight NM 1.5W 140lm corridor MT	Manual Test (MT)	ARC		
DLA1.5-C-AST	Recessed LED downlight NM 1.5W 140lm corridor Self Test AST	Advance Self-Test (AST)	ARC		
DLA1.5-C-PST	Recessed LED downlight NM 1.5W 140lm corridor Self Test PST	Programmable Self-Test (PST)	PRC		
DLA3-S45-MT	Recessed LED downlight NM 3W 270lm 45° beam MT	Manual Test (MT)	ARC	0°C ~ 40°C	
DLA3-S45-AST	Recessed LED downlight NM 3W 270lm 45° beam Self Test AST	Advance Self-Test (AST)	ARC		
DLA3-S45-PST	Recessed LED downlight NM 3W 270lm 45° beam Self Test PST	Programmable Self-Test (PST)	PRC		
DLA3-OA1-MT	Recessed LED downlight NM 3W 270lm open area MT	Manual Test (MT)	ARC		
DLA3-OA1-AST	Recessed LED downlight NM 3W 270lm open area Self Test AST	Advance Self-Test (AST)	ARC		0.25 kg
DLA3-OA1-PST	Recessed LED downlight NM 3W 270lm open area Self Test PST	Programmable Self-Test (PST)	PRC		
DLA3-OA2-MT	Recessed LED downlight NM 3W 270lm open area High Ceiling MT	Manual Test (MT)	ARC		
DLA3-OA2-AST	Recessed LED downlight NM 3W 270lm open area Self Test High Ceiling AST	Advance Self-Test (AST)	ARC		
DLA3-OA2-PST	Recessed LED downlight NM 3W 270lm open area Self Test High Ceiling PST	Programmable Self-Test (PST)	PRC		

* Advance Remote Control (ARC) allows the accredited installer to carry out functional tests and/or full duration tests at any time and to check system's status. Please refer to ARC's user guide. In addition to ARC functions the Programmable Remote Control (PRC) allows the accredited installer to programme the testing schedule of each emergency luminaire. Please refer to PRC's user guide.

Installation Notes

- **Recessed ceiling mount**
- **IP54 rating front face only**
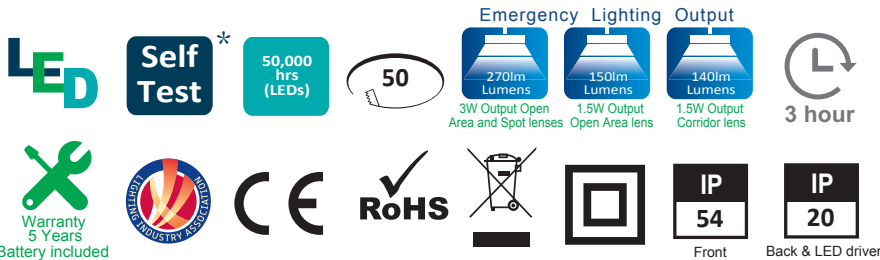- **Terminal block takes wires up to 2 x 1.5mm²**

SurfaceSPOT Emergency Downlight

5 YEARS WARRANTY

Specification: Stand-alone self-contained emergency LED downlight. Constant emergency light (1.5W/150lm & 3W/270lm) for 3 hours. Low stand-by power consumption (0.5W). Self-test versions and remote controls available. Lithium battery integrated. Non-maintained configuration. Ceiling surface mount. Suitable for open area and corridor indoor applications.

150 × 40

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

Emergency Lighting Output
270lm Lumens — 3W Output Open Area and Spot lenses
150lm Lumens — 1.5W Output Open Area lens
140lm Lumens — 1.5W Output Corridor lens

CE | RoHS

Key Features

- Integrated test button
- Low stand-by power consumption (0.5 W)
- Fast battery re-charge (8 hours)*
- Open area, corridor and spot lens options
- Remote control available

* First battery charge takes up to 16 hours

* Self-test only available on AST and PST versions

VISUAL Emergency Downlight

Part number	Description	Testing facility	Remote control part number *	Operating temperature	Net weight
DLB1.5-OA2-MT	Ceiling mounted LED downlight NM 1.5W 150lm open area MT	Manual Test (MT)	ARC		
DLB1.5-OA2-AST	Ceiling mounted LED downlight NM 1.5W 150lm open area Self Test AST	Advanced Self-Test (AST)	ARC		
DLB1.5-OA2-PST	Ceiling mounted LED downlight NM 1.5W 150lm open area Self Test PST	Programmable Self-Test (PST)	PRC		0.27 kg
DLB1.5-C-MT	Ceiling mounted LED downlight NM 1.5W 140lm corridor MT	Manual Test (MT)	ARC		
DLB1.5-C-AST	Ceiling mounted LED downlight NM 1.5W 140lm corridor Self Test AST	Advanced Self-Test (AST)	ARC		
DLB1.5-C-PST	Ceiling mounted LED downlight NM 1.5W 140lm corridor Self Test PST	Programmable Self-Test (PST)	PRC	0°C ~ 40°C	
DLB3-S45-MT	Ceiling mounted LED downlight NM 3W 270lm 45° beam MT	Manual Test (MT)	ARC		
DLB3-S45-AST	Ceiling mounted LED downlight NM 3W 270lm 45° beam Self Test AST	Advanced Self-Test (AST)	ARC		
DLB3-S45-PST	Ceiling mounted LED downlight NM 3W 270lm 45° beam Self Test PST	Programmable Self-Test (PST)	PRC		
DLB3-OA1-MT	Ceiling mounted LED downlight NM 3W 270lm open area MT	Manual Test (MT)	ARC		
DLB3-OA1-AST	Ceiling mounted LED downlight NM 3W 270lm open area Self Test AST	Advanced Self-Test (AST)	ARC		0.32kg
DLB3-OA1-PST	Ceiling mounted LED downlight NM 3W 270lm open area Self Test PST	Programmable Self-Test (PST)	PRC		
DLB3-OA2-MT	Ceiling mounted LED downlight NM 3W 270lm open area High Ceiling MT	Manual Test (MT)	ARC		
DLB3-OA2-AST	Ceiling mounted LED downlight NM 3W 270lm open area Self Test High Ceiling AST	Advanced Self-Test (AST)	ARC		
DLB3-OA2-PST	Ceiling mounted LED downlight NM 3W 270lm open area Self Test High Ceiling PST	Programmable Self-Test (PST)	PRC		

* Advance Remote Control (ARC) allows the accredited installer to carry out functional tests and/or full duration tests at any time and to check system's status. Please refer to ARC's user guide. In addition to ARC functions the Programmable Remote Control (PRC) allows the accredited installer to programme the testing schedule of each emergency luminaire. Please refer to PRC's user guide.

Installation Notes

- **Surface ceiling mount**
- **Cable entry to side (20mm cut-out) and rear**
- **Screwless terminal block (L, N, earth loop in/out)**
- **Terminal block takes wires up to 3 x 2.5mm²**

Technical information

Technical information		
Input voltage/frequency	220-240V AC 50Hz	
Power consumption		
Maintained	N.A.	
Non-maintained	3W(Max.*) 0.5W(standby)	6W(Max.*) 0.5W(standby)
Lumen output		
On mains voltage	N.A.	
On emergency mode	150lm	
LEDs Lifetime (L-70)	50,000h	
Discharge duration	3hr	
Wh (non-maintained standby)	0.5	
Charge duration	up to 8hrs (first charge up to 16hrs)	
Test facility	MT, AST, PST	
IP rating	IP54 (Front) IP20 (Back&LED driver)	
IK rating	IK06	
Insulation class	II	
Operation temp.	0~40°C	
Storage temp.	0~50°C	

Materials

Materials	1.5W	
Luminaire housing	Polycarbonate	
Luminaire lens	Polycarbonate	
Luminaire bracket	N.A.	
Luminaire legend	N.A.	
Luminaire screws	Nickel Steel	
Finish	Matt	
Colour	White	
Battery type	Li-Ion 3.6V 2500mAh	Li-Ion 3.6V 5000mAh

Logistic information

Logistic information	
Product dimensions (L x W x D)mm	Head:ø60x29.8 Body:230x82x40
Product Net weight (Kg)	0.20Kg / 0.25Kg
Box dimensions (L x W x D)mm	242 x 95 x 44 mm
Gross weight (Kg)	0.28Kg / 0.32Kg
Quantity of outer carton	42 pcs
Outer carton dimensions(L x W x D)mm	500 x 318 x 315 mm
Outer carton gross weight (Kg)	12.20Kg / 14.10Kg
Quantity per Euro pallet (1200 x 800)	1050 pcs
Pallet weight (Kg)	10 Kg

Light Source

Light Source	
Brand	Luminus
Quantity	1 pcs
CCT	4000K
CRI	>80

Certification

Certification	
Safety standard	BS EN 60598-2-22
Certified by	LIA
CE mark	Yes
Factory QMS	ISO9001

* Power consumption only during charging mode

TESTING FACILITIES

MT (Manual Test)	This luminaire needs to be tested by a 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.
AST (Advanced Self-Test)	This is a self-test luminaire. Functional test is carried out automatically once a week and runs for 30 seconds. 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's user guide.
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's user guide.

SPACING TABLE

Photometric curve	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 Open Area lens (125°)	2	6.2	3.8	8.1	8.1	3.8	3.6	7.6	7.6	3.5
		2.5	5.1	4.6	9.8	9.8	4.5	4.1	9.1	9.1	4.0
		3	3.9	5.2	11.3	11.3	5.2	4.5	10.3	10.4	4.4
		3.5	2.7	5.7	12.7	12.8	5.7	4.2	11.3	11.3	4.2
		4	1.6	6.1	14.0	14.1	6.1	2.8	11.3	11.5	2.8
		4.5	1.3	6.5	15.1	15.2	6.4	-	8.3	8.5	-
		5	1.1	5.9	16.1	16.1	5.9	-	7.7	7.8	-
		5.5	0.9	4.4	16.3	16.6	4.6	-	6.8	7.0	-
		6	0.7	-	12.9	13.5	-	-	1.0	-	-
	DLA1.5-C Corridor lens (145°x75°)	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
		4.5	4.4	-	-	-	-	1.6	5.7	15.3	3.8
		5	3.3	-	-	-	-	-	5.6	13.1	-
		5.5	2.2	-	-	-	-	-	5.3	12.0	-
		6	1.1	-	-	-	-	-	4.5	11.0	-
	DLA3-OA2 Open Area lens (125°)	2	10.9	4.0	8.3	8.3	4.0	3.8	8.0	8.0	3.7
		2.5	8.3	4.9	10.1	10.2	4.8	4.5	9.6	9.6	4.4
		3	6.4	5.6	11.9	11.9	5.5	5.1	11.1	11.1	4.9
		3.5	4.6	6.3	13.5	13.5	6.2	5.6	12.5	12.5	5.4
		4	2.7	7.0	15.0	15.0	6.7	6.0	13.7	13.7	5.9
		4.5	2.4	7.5	16.4	16.4	7.3	6.1	14.7	14.7	5.9
		5	2.0	7.9	17.8	17.8	7.7	5.4	15.6	15.6	5.4
		5.5	1.6	8.3	19.0	19.0	8.2	3.7	15.4	15.6	3.7
		6	1.2	8.3	20.1	20.0	8.5	-	10.9	11.4	-
	DLA3-OA1 Open Area lens (155°)	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 45° Spot lens (45°)	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
		6.5	15.0	3.6	7.4	7.4	3.6	3.4	7.2	7.2	3.4
		7	12.2	3.8	7.9	8.0	3.9	3.5	7.7	7.7	3.6

EM Bulkhead

Description

Polycarbonate for complete body

SMT LED technology

IP65 polycarbonate housing and opal diffuser Maintained and non-maintained option

Easy installation and maintaintence

Perfect replacement for T5 8W

Supplied with a legend panels to create a double-sided exit sign.

Test button available

Ideal for use in corridors exits and escape routes Working temperature : -5~40℃

24 hours charge time

118   352   80

FIVE YEARS 5 WARRANTY

recessed kit

silk print diffuser

legend panel

BOX Exit

Description

Slim design

Extra LED for escape route

Changeable legend
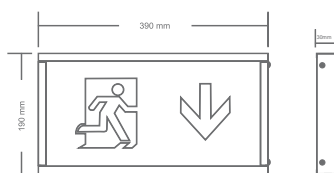
Excellent light transmittance

Working temperature:-5~40℃

Specification

24pcs SMD2835 LED lamp

3.6V 1200mAh Ni-Cd batteries 3 hours emergency duration Maintained mode

24 hours charging time

IP20

Different Pictograms Available

B1   B2   B3   B4
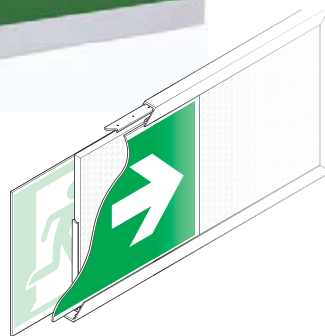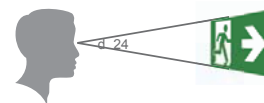
ESCAPE Indication

390 mm

190 mm

24

Double Sided Blade Exit

Self
Test

Changeable legend

First fix plate

Ceiling Mounted   Wall Mounted   Side Mounted

d 16

Description

Polycarbonate body PMMA acrylic legend
Laser printing Technology
Excellent Light Transmittance
Dedicated for small and medium-sized public buildings
Working temperature:-5~40℃

Specification

16pcs SMD2835 LED lamp
3.6V 900mAh Ni-Cd batteries
3 hours emergency duration
Maintained mode
24 hours charging time
IP20
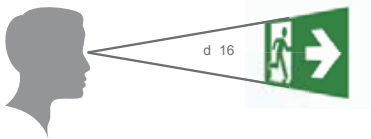
Twin Spot

Self
Test

FIVE YEARS
5
WARRANTY

Description

Polycarbonate housing & heads
Stainless steel bracket
White & black head available
IP65 for outdoor use
Suitable for warehouse, car park, hospital, school etc
Self test option available

Specification

Non-maintained
14 watt
2x15pcs SMD LED
700 lumen output (350lm per head)
9.6V 2200mAh Ni-Cd battery
3 hours duration
24 hours charging time

272

296   75

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