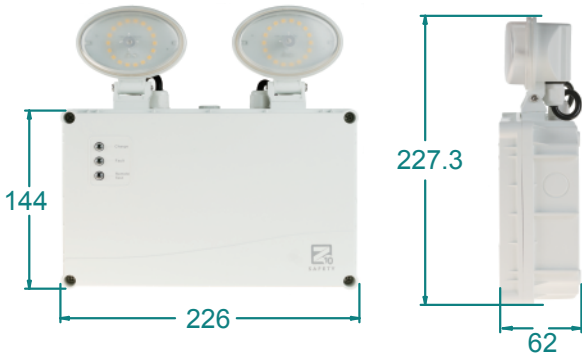# 'EYES' EMERGENCY TWIN SPOT

Specification: Weatherproof (IP65) and robust (IK10) self-contained emergency LED twin spot. Constant emergency light (350lm) for 3 hours. Low stand-by power consumption (0.5W). Self-test versions and remote controls available. Lithium battery integrated. Non-maintained configuration. Suitable for indoor and outdoor applications such as car parks, distributions centres, storage rooms, warehouses and large open space areas.

227.3
144
226
62

LED | **Self Test** * | **IK10** | **IP 65** | 350lm Lumens

3 hour | Warranty 5 Years Battery included | CE | RoHS

Key Features

- Low stand-by power consumption (0.5 W)
- Fast battery re-charge (8 hrs)
- Rotatable (160°) and tiltable (90°) spot lights
- IP65 cable gland included
- Remote control available

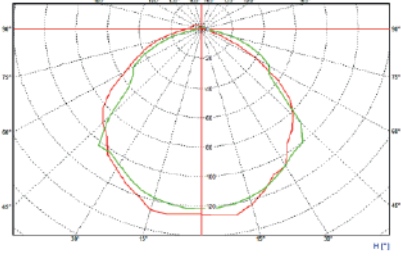* First battery charge takes up to 16 hours

* Self-test only available on AST and PST versions

EYES Twin Spot range

Part number	Description	Testing facility	Remote control part number *	Operating temperature	Ne weight
TSA3-MT	IP65 LED Twin Spot 2x1.5W 350lm MT	Manual Test (MT)	ARC		t
TSA3-AST	IP65 LED Twin Spot 2x1.5W 350lm Self Test AST	Advanced Self-Test (AST)	ARC	0°C ~ 40°C	0.72 kg
TSA3-PST	IP65 LED Twin Spot 2x1.5W 350lm Self Test PST	Programmable Self-Test (PST)	PRC		

* Advance Remote Control (ARC) allows the competent 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 competent installer to programme the testing schedule of each emergency luminaire. 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
	TSA3	2.5	25.5	4.5	11.3	11.8	4.8	3.8	9.5	9.7	3.8
		3	19.6	4.9	12.3	12.8	5.2	4.1	10.3	10.4	4.0
		3.5	13.7	5.4	13.3	13.6	5.3	4.4	11.1	10.7	4.2
		4	7.8	5.7	14.2	14.3	5.5	4.5	11.7	11.0	4.4
		4.5	6.8	6.0	15.0	14.8	5.7	4.6	12.3	11.4	4.7
		5	5.7	6.2	15.7	15.1	5.9	4.5	12.7	11.8	4.8
		5.5	4.6	6.3	16.4	15.4	6.2	4.5	13.0	12.3	4.8
		6	3.5	6.4	17.0	15.8	6.4	4.3	13.1	12.8	4.6
		6.5	3.2	6.4	17.5	16.2	6.6	4.2	13.2	13.1	4.4
		7	2.8	6.4	17.9	16.6	6.7	4.1	13.1	13.3	4.1
		7.5	2.4	6.4	18.2	17.1	6.8	3.7	13.0	13.4	3.7
		8	2.0	6.3	18.4	17.6	6.7	3.3	12.8	13.3	3.3
		8.5	1.8	6.1	18.5	18.0	6.5	2.8	12.6	13.1	2.7
		9	1.7	6.0	18.6	18.4	6.2	2.3	12.3	12.5	1.8
		9.5	1.5	5.9	18.6	18.7	6.0	-	12.0	12.0	-
		10	1.3	5.7	18.5	18.9	5.7	-	11.5	11.4	-

'EYES' EMERGENCY TWIN SPOT

Technical information

Input voltage/frequency	220-240V AC 50Hz
Power consumption	
Maintained	N.A.
Non-maintained	6W(Max), 0.5W(standby)
Lumen output	
On mains voltage	N.A.
On emergency mode	350lm
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	IP65
IK rating	IK10
Insulation class	II
Operation temp.	0~40°C
Storage temp.	0~50°C

Materials

Luminaire housing	Polycarbonate
Luminaire diffuser	Polycarbonate
Luminaire bracket	N.A.
Luminaire legend	N.A.
Luminaire screws	SUS 316
Finish	Matt
Colour	White
Battery type	Li-Ion 3.6V 5000mAh

Logistic information

Product dimensions (L x W x D)mm	226 x 227.3 x 62 mm
Product Net weight (Kg)	0.68Kg
Box dimensions (L x W x D)mm	240 x 235 x 70 mm
Gross weight (Kg)	0.85Kg
Quantity of outer carton	22 pcs
Outer carton dimensions(L x W x D)mm	514 x 396 x 489 mm
Outer carton gross weight (Kg)	19Kg
Quantity per Euro pallet (1200 x 800)	264 pcs
Pallet weight (Kg)	10 Kg

Light Source

Brand	Everlight
Quantity	36 pcs
CCT	4000K
CRI	>80

Certification

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

INSTALLATION NOTES

- Wall mount
- Cable entry to sides (20mm cut-outs) and rear
- Terminal block takes wires up to 3 x 2.5mm²
- IP65 and IK10 rating
- Screwless terminal block (L, N, earth loop in/out)

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.