

## YODA2-IP

The **YODA2-IP** unit offers a simple method of providing discreet emergency lighting in areas with harsh environmental conditions that require a surface mounted self-contained solution.

Available with an asymmetrical 'corridor' lens for escape routes; a symmetrical wide angle lens for general open areas or a symmetrical narrow beam lens for increased light levels and higher mounting positions the **Yoda2-IP** downlight simply requires a permanent 230Volt supply to provide effective non-maintained emergency lighting with 3hour duration.

### Standard DALI/Self-Test

Incorporating tried and tested emergency driver technology the **Yoda2-IP** downlight offers self-contained, non-maintained operation emergency lighting with integral automatic Self-Test or DALI controlled testing from a single product.

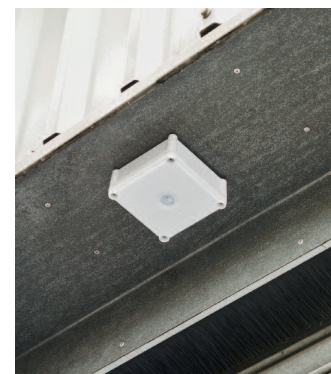
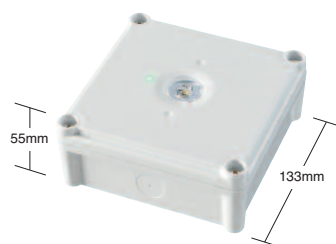
The polycarbonate enclosure houses the Lithium Iron Phosphate battery and charger/driver circuit and the appropriate lens is ultrasonically welded into the cover ensuring the IP65 rating (the cover can be rotated through 90° allowing the Corridor lens to be correctly aligned with the escape route).

The **Yoda2-IP** is robust but remains both discreet and attractive.

### Specification:

The surface mounting enclosure houses an 'intelligent' DALI/Self-Test LED driver and a Lithium Iron Phosphate (LiFePO<sub>4</sub>) battery. A Nichia '3Watt' high power white LED is mounted in the fascia plate in conjunction with a choice of wide angle, narrow angle or 'corridor' distribution lens.

The Lithium Iron battery technology ensures long life without the thermal concerns associated with the more common Nickel Metal Hydride battery technology.



Fully integrated components and the latest software ensure that the **Yoda2-IP** unit can be connected to any approved DALI control system. When the mains supply is initially connected, the **Yoda2-IP** circuit initiates the Self-Test commissioning mode and then activates the weekly and annual test routine starting at random times to ensure tests do not get carried out simultaneously in the same areas.

Faults such as charge failure, battery failure, etc. will be indicated locally by a bi-colour LED. The **Yoda2-IP** luminaire will continually be prepared for a DALI signal even when operating in Self-Test mode. If a DALI signal is received the Self-Test mode will be disabled and the circuit will adopt a fully interoperative DALI mode.



OPERATION	Subject	Plastic housing
Environmental	Protection against electric shock	Class II
	Ingress protection	IP65
	Rated operating ambient temperature	0 to 35°C
	Surface mounting	Includes flammable surfaces
Mains operation	Rated voltage supply	220/240V AC
	Mains frequency	50/60Hz
	Mains supply current	20mA
Emergency operation	Emergency duration	3 hours
	Battery recharge period	<24 hours
	Battery charging	Intelligent constant voltage
	Battery discharge current – nominal	370mA
	Lumen output	295lumens (max)
	Integral test routine	EN62034/DALI
Mechanical	Dimensions (Surface)	133mm x 133mm x 55mm (h)
	Mains input	Integral (unswitched) L&N terminals



### Typical Emergency Lighting Spacings for available lenses

Mounting height Hm (m)	YODA2-IP/CORRIDOR		YODA2-IP/WIDE		YODA2-IP/HL	
	Spacing (m) min 0.5Lux open area	Spacing (m) min 1Lux escape	Spacing (m) min 0.5Lux open area	Spacing (m) min 1Lux escape	Spacing (m) min 0.5Lux open area	Spacing (m) min 1Lux escape
2.0	n/a	14.0	13.9	12.8	n/a	n/a
2.5	n/a	15.3	15.1	14.0	n/a	n/a
3.0	n/a	16.5	14.8	13.6	n/a	n/a
3.5	n/a	17.1	13.6	11.9	n/a	n/a
4.0	n/a	18.3	9.8	8.4	8.9	n/a
6.0	n/a	17.4	8.7	7.1	9.9	n/a
8.0	n/a	13.5	7.9	6.0	11.9	n/a
10.0	n/a	11.7	7.0	n/a	13.3	n/a
12.0	n/a	10.4	6.2	n/a	13.1	n/a

**NB:** Full .LDT photometry files are available on request

Order Code	Description
YODA2IP/NM3-NA-WH	SURF/REC IP65 3W 260LM NON-AUTO TEST, WHITE C/W CORRIDOR & WIDE ANGLE LENS
YODA2IP/NM3-NA-BLK	SURF/REC IP65 3W 260LM NON-AUTO TEST, BLACK C/W CORRIDOR & WIDE ANGLE LENS
YODA2IP/NM3/DAST-WH	SURF/REC IP65 3W 260LM DALI/SELF TEST, WHITE C/W CORRIDOR & WIDE ANGLE LENS
YODA2IP/NM3/DAST-BLK	SURF/REC IP65 3W 260LM DALI/SELF TEST, BLACK C/W CORRIDOR & WIDE ANGLE LENS