FIREFLY : LR
STANDARD & AREA VERSIONS

The ECO Power Pack is hinged allowing it to be passed through cut-outs as small as 98mm diameter and into void depths as shallow as 115mm.
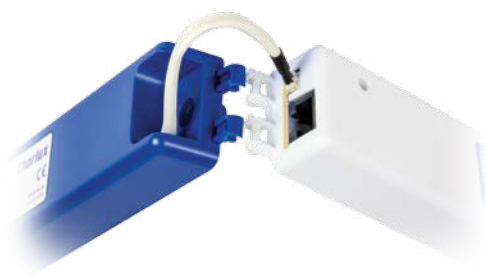
98mm
Minimum cut-out diameter

115mm
Minimum void depth

Terminals suitable for 1.5mm^2 looped cable.
NOTE: Firefly : LR is a class II Luminaire.
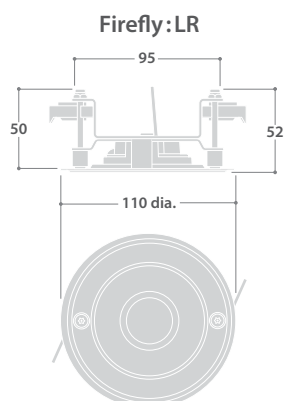Earth connection provided for looping only.

Snap-fit battery pack for fast replacement. End of life SmartScan batteries can be returned to Thorlux for recycling.
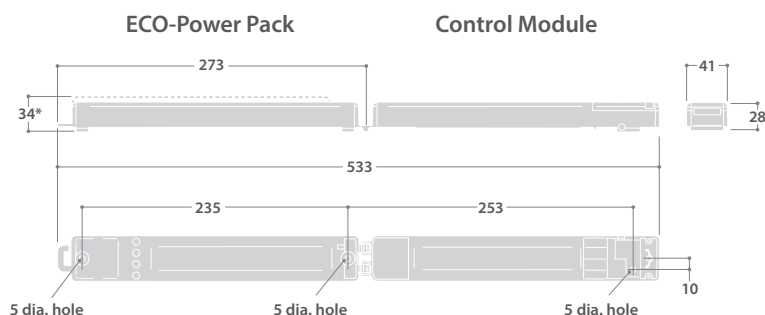
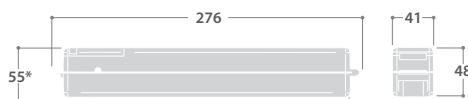Strain relief incorporated into lid of wiring compartment.

DIMENSIONS

Firefly : LR

95
50
52
110 dia.

Hole size cut-out = 98 dia.
Minimum void depth (when passing Control Module and ECO-Power Pack through cut-out) = 115mm

ECO-Power Pack

273
34*
533
235
5 dia. hole
5 dia. hole

Control Module

41
28
253
5 dia. hole
10

Control Module and ECO-Power Pack Combined

276
55*
41
48

Control Module and ECO-Power Pack are articulated for easy placement through a small cut hole. The two items may be clipped on top of each other for space saving.

* Emergency versions only

Thorlux Lighting

Control Module and ECO-Power Pack

Standard version

Area Version

EMERGENCY LUMINAIRES FOR RECESSED MOUNTING WITH SMARTSCAN WIRELESS COMMUNICATION

IP65 DOWNLIGHTER (BELOW CEILING) **IP40** DOWNLIGHTER (ABOVE CEILING)

IP20 CONTROL MODULE CE LED

SPECIFICATION

- Thermally conductive nylon body, polycarbonate bezel finished white (RAL9016)
- Impact-resistant and ligature-resistant
- Three hour, non-maintained emergency operation
- Stand-alone self-test and full SmartScan wireless communication compatible
- May be positioned for maximum effect
- Reliable LED technology
- Low standby power consumption (1.7W total)
- Status indicator shows operational condition
- Superb photometric performance
- Easily replaceable Nickel Metal Hydride (NiMH) ECO-Power Pack battery
- Tamper-resistant pin Torx screw fixings (Requires T20 tool - see Accessories table)

At Platform 1 SmartScan emergency luminaires may self-test at any time. Consequently, caution should be exercised in situations where this may be inconvenient (such as hotel rooms or hospital wards). At Platform 2 specific testing times can be set via the SmartScan website (SmartScan Gateway required).

SmartScan Wireless Standards Compliance:

Europe: EN 300 220-1 V2.4.1 / EN 301 489-3 V1.6.1

Australasia: ACMA 2014 Radio Communication Standard 2014
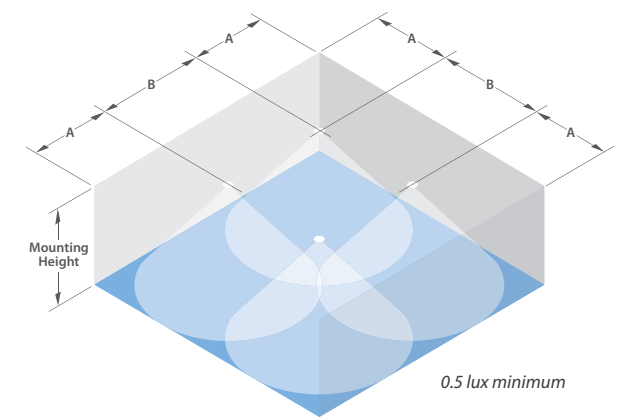
Thorlux Patented Wireless Technology - GB2575724

5 YEAR
BATTERY WARRANTY*

* *SmartScan versions only*

RANGE

LED POWER	AREA CAT. No.	STANDARD CAT. No.	APPROX. kg	TYPE
SmartScan				
3W	**WFF 18301**	**WFF 18300**	0.6	Non-maintained
AutoTest				
3W	**TFF 18301**	**TFF 18300**	0.6	Non-maintained
Emergency				
2W	**EFF 18301**	**EFF 18300**	0.6	Non-maintained

Can be supplied with pre-fitted 3m lead for connection into Thorlux Lighting Cable Management:

For connection into recessed Smart 6-pole installations add suffix '**TEE**' (see **www.thorlux.com/controls**)

For connection into recessed SmartScan 3-pole installations add suffix '**TEE3**' (see **www.thorlux.com/controls**)

e.g. **WFF 18301TEE3** etc.

SPARES

DESCRIPTION	CAT. No.	APPROX. kg
3W ECO-Power Pack battery	**PP 17402**	0.33
2W ECO-Power Pack battery	**PP 17399**	0.40

End of life SmartScan batteries can be returned to Thorlux for recycling.

ACCESSORY

DESCRIPTION	CAT. No.
T-bar mounting bracket for Control Module and ECO-Power Pack	**SLA 13101**
T20 pin Torx bit *(Suitable for magnetic bit holder)*	**KEY 16975**

FIREFLY : LR
STANDARD & AREA VERSIONS

EMERGENCY LIGHTING PERFORMANCE GUIDE

TYPICAL SPACING FOR OPEN AREAS (STANDARD VERSION)

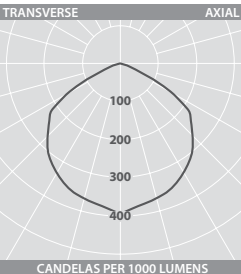0.5 lux minimum

SPACING TABLE

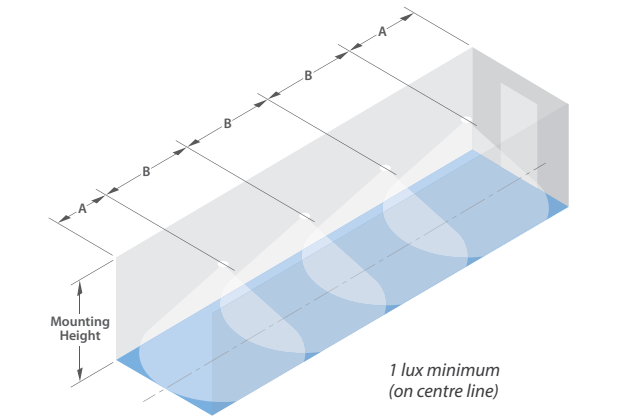| MOUNTING HEIGHT (m)	3W A (m)	3W B (m)	2W A (m)	2W B (m)
2.0	3.5	7.3	3.3	7.1
2.5	3.8	8.6	3.7	8.2
3.0	4.3	9.6	4.1	9.3
3.5	4.7	10.6	4.4	10.2
4.0	4.9	11.6	4.6	11.2

Maintenance factor 0.90

PHOTOMETRIC GUIDE

Luminaire Lumen Output:
3W = 265 lm
2W = 210 lm
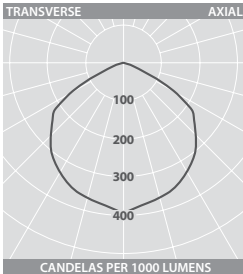
TYPICAL SPACING FOR CORRIDORS (STANDARD VERSION)

1 lux minimum
(on centre line)

SPACING TABLE

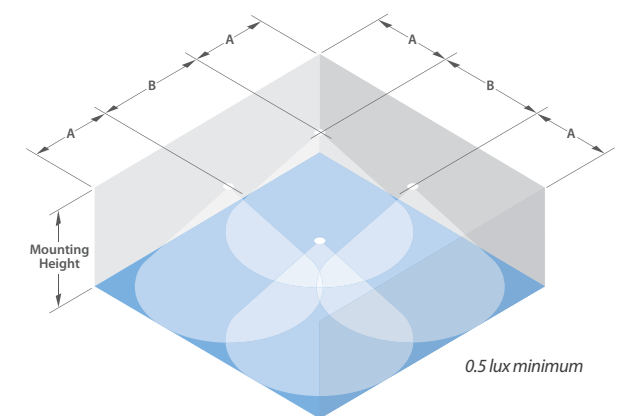| MOUNTING HEIGHT (m)	3W A (m)	3W B (m)	2W A (m)	2W B (m)
2.0	3.4	8.2	3.2	7.9
2.5	3.9	9.5	3.4	9.1
3.0	4.2	10.6	3.7	10.0
3.5	4.3	11.5	3.9	10.6
4.0	4.4	12.0	4.0	11.1

Maintenance factor 0.90

PHOTOMETRIC GUIDE

Luminaire Lumen Output:
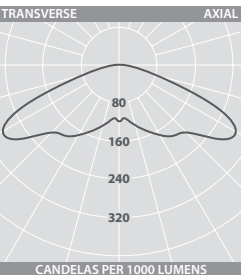3W = 265 lm
2W = 210 lm

TYPICAL SPACING FOR AREA LENS

0.5 lux minimum

SPACING TABLE

MOUNTING HEIGHT (m)	3W A (m)	3W B (m)	2W A (m)	2W B (m)
2.0	4.3	9.6	4.1	9.2
2.5	4.7	11.0	4.5	10.5
3.0	5.3	12.2	5.1	11.7
3.5	5.8	13.5	5.5	12.8
4.0	6.2	14.5	5.7	13.8

Maintenance factor 0.90

PHOTOMETRIC GUIDE

Luminaire Lumen Output:
3W = 270 lm
2W = 215 lm

Thorlux Lighting