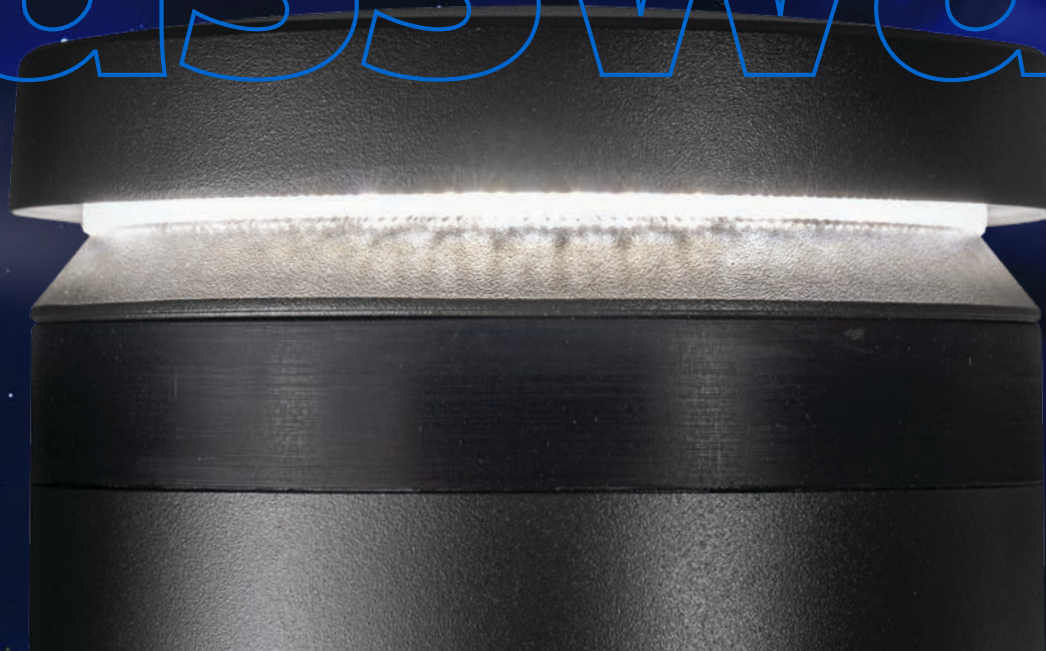


Passway





Introducing Passway

Passway is a very high performance lighting bollard with a contemporary appearance. A choice of pathway or area light distributions are selectable on site and the innovative protection system allows the bollard to pivot up to 10° from vertical in the event of a slight knock from parking vehicles. The robust construction and excellent performance ensure the Passway is suitable for a wide variety of applications.



Engineered to perform

Designed for tough environments

Sealed to IP66 and
impact rated to IK10

Hidden optical compartment

Low glare and less
than 2% upward light

High performance optics

Superior luminaire
spacing with high
light uniformity

Die-cast aluminium head unit

Excellent thermal
management of
LEDs for long life

Extruded aluminium body

Long life and
high durability

Bump resistant

Slight knocks from parking vehicles can leave an unsightly crooked bollard position or worse cause irreparable damage.

The Passway uses Thorlux patent pending **FlexBase** technology which, during impact, allows it to pivot up to 10° from the vertical, gently returning to the upright position once the force is removed.



State of the art optics

Contained within the IP66, IK10 head unit, custom designed, high performance optics direct the light exactly where it is needed. A dedicated lens for each LED ensures the most efficient distribution of light resulting in highly impressive luminaire spacings whilst still maintaining uniformity.

Each bollard has two light distribution settings selectable via an internal switch. The area distribution provides 360° light output whilst the pathway distribution gives 180°.

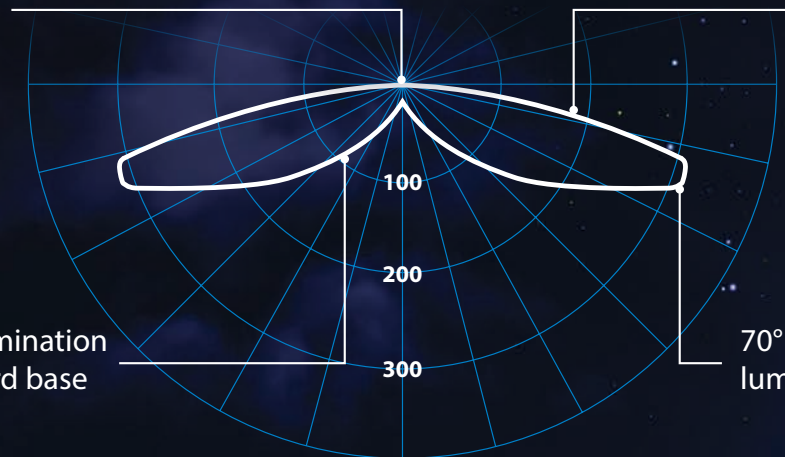
All versions produce less than 2% upward light making Passway suitable for rural as well as urban environments.

Less than 2% upward light component

Excellent cut off for glare control

Excellent illumination around bollard base

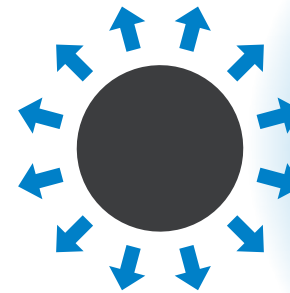
70° peak intensity for wide luminaire spacings



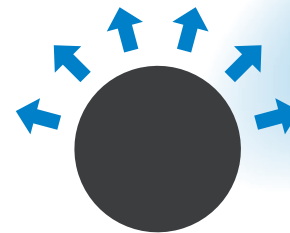
On-site selectable distribution

The internal selector switch provides on-site choice between area and pathway distributions.

When selecting the pathway distribution, only one side of the Passway illuminates producing a 180° light output; simplifying ordering and providing flexibility during installation.



**Area
Distribution**



**Pathway
Distribution**

Installation options

Root Mounting

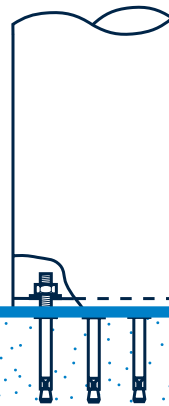
Rigid fix



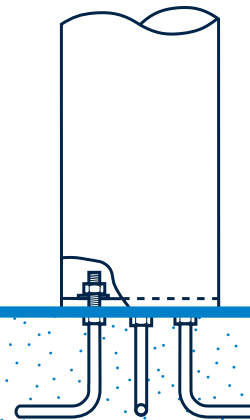
Surface Mounting

With **FlexBase** technology

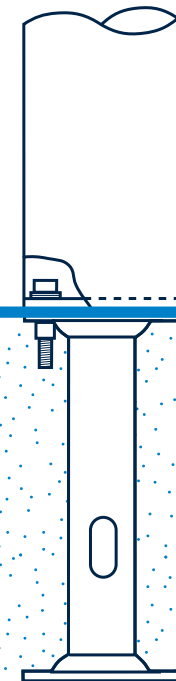
Direct



J-Bolt Kit



Root Kit



Guiding the way in an emergency

The Passway is available with integral emergency and wireless SmartScan Emergency control gear options to light the way to fire assembly points outside a building.

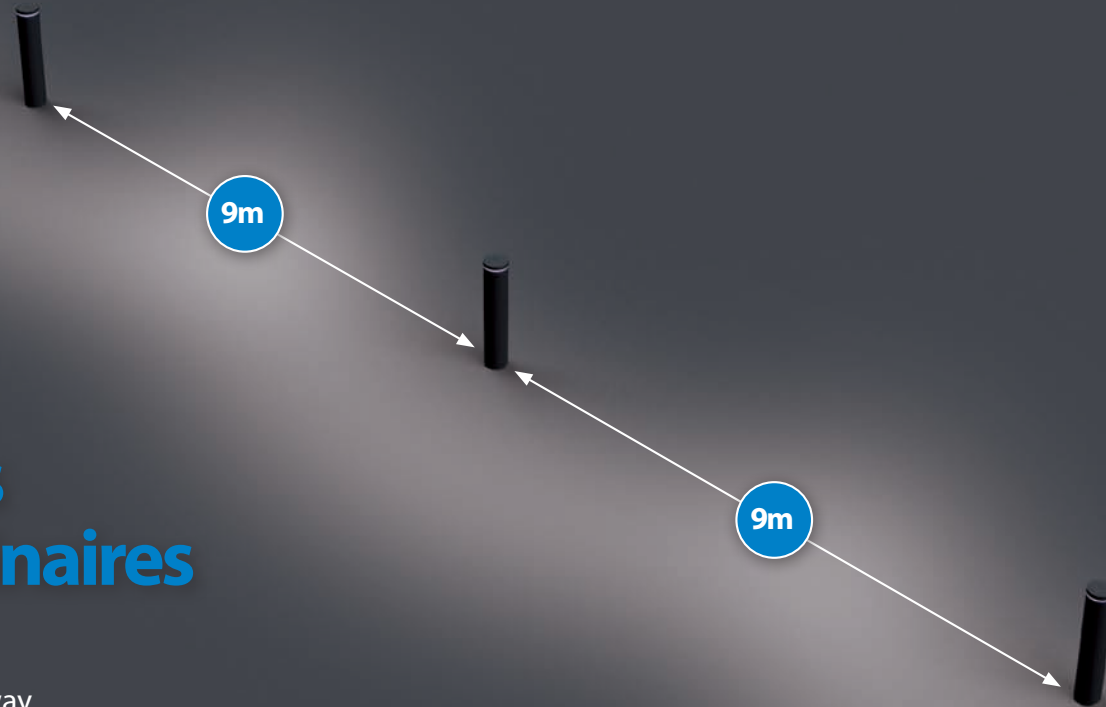
The SmartScan Emergency testing system automatically tests the status of the luminaire and components in accordance with BS 5266-8:2004 and reports back to the SmartScan website when installed with a SmartScan Gateway.



Maximise spacings and use fewer luminaires

The high performance optics allow the Passway to be spaced further apart than conventional bollards, requiring fewer luminaires to light a space.

Uniformity of light is often problematic when using bollards, resulting in close spacings and over lighting. Due to the unique light distribution of the Passway, high uniformity is still maintained even when spaced up to 9m apart.

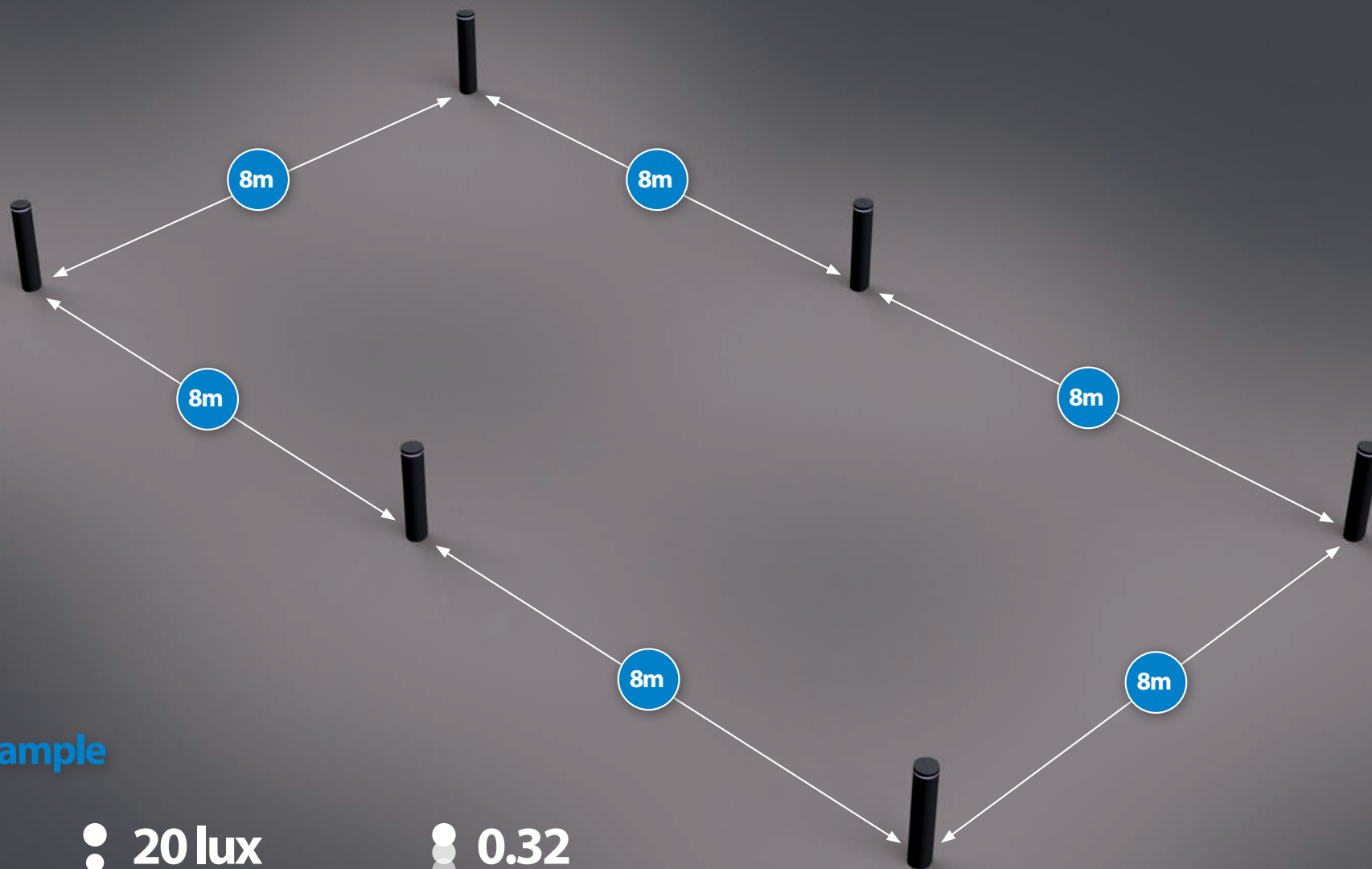


Pathway Example

↑↓ **9m**
Spacings

● **20 lux**
Average Illuminance

● **0.26**
Uniformity



Area Example

8m
↑
↓
Spacings

● 20 lux
●
●
Average Illuminance

● 0.32
●
●
Uniformity

Easy Installation

The large access door on Passway makes installation simple. The access door is vandal resistant and uses a single tamper-resistant fixing bolt. The large entry area provides easy access to secure the Passway into position and terminate the supply cables. The screwless terminal block adds further simplicity.



Solutions for all applications



Root Mounting

Area - 11W
Pathway - 5W

900mm

1100mm

Root Mounting

Area - 21W
Pathway - 11W

900mm

1100mm



Surface Mounting

Area - 11W
Pathway - 5W

900mm

1100mm

Surface Mounting

Area - 21W
Pathway - 11W

900mm

1100mm

Range

HIGH PERFORMANCE BOLLARD
LUMINAIRES WITH EXCELLENT
LIGHT DISTRIBUTION



SPECIFICATION

- Extruded aluminum body with die-cast aluminum head unit
- Graphite full polyester powder finish
- Superb photometric performance for wide spacings and excellent uniformity
- Less than 2% upward light
- On-board selector switch provides on-site adjustment between area and pathway distributions
- Surface or root mounting options
- Surface options include patent pending FlexBase technology for bump resistance
- Large access door makes installation simple
- Integral emergency and SmartScan wireless emergency options
- Extremely long life, up to 100,000 hours
- Fitted with 4000K LEDs

LED CHARACTERISTICS

CRI	70+
COLOUR TEMPERATURE	4000K
RATED LIFE (HOURS)	100K - L70/B10
PROTECTION	LUX GUARD
DRIVER EFFICIENCY	>60%
REPLACEABLE	YES
POWER FACTOR	>0.75

LL/CW 62.5

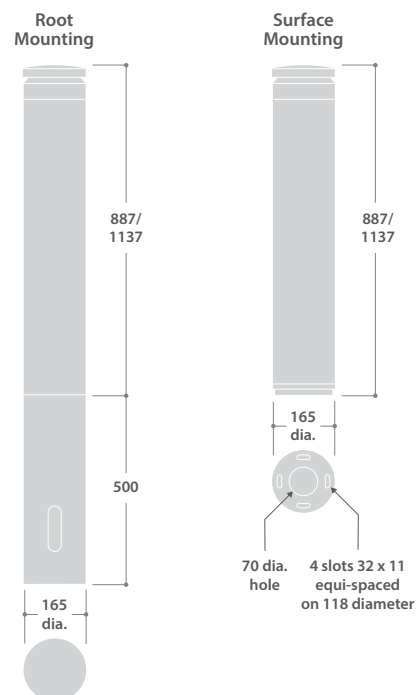
For LED characteristics explanation see
www.thorlux.com/led-guide

SmartScan Configurations

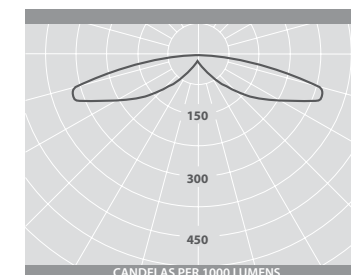


Find out more at www.thorlux.com/smartsan

DIMENSIONS

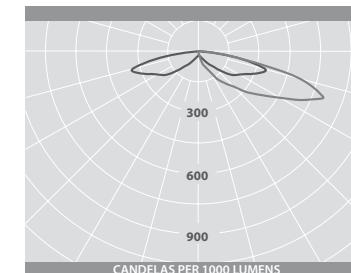


PHOTOMETRIC GUIDE



AREA DISTRIBUTION

Luminaire Lumen Output:
11W = 875lm
21W = 1495lm



PATHWAY DISTRIBUTION

Luminaire Lumen Output:
5W = 450lm
11W = 780lm

RANGE

	NOMINAL SIZE (mm)	LED	CAT. No.	APPROX. kg
ROOT MOUNTING	900	Area - 11W / Pathway - 5W	PW 19916L	9.2
		Area - 21W / Pathway - 11W	PW 19917L	9.2
	1100	Area - 11W / Pathway - 5W	PW 19912L	10.2
		Area - 21W / Pathway - 11W	PW 19913L	10.2
SURFACE MOUNTING + FlexBase	900	Area - 11W / Pathway - 5W	PW 19914L	8.0
		Area - 21W / Pathway - 11W	PW 19915L	8.0
	1100	Area - 11W / Pathway - 5W	PW 19910L	9.0
		Area - 21W / Pathway - 11W	PW 19911L	9.0

CIRCUIT TYPE -

L - non-dimming

EMERGENCY VERSION (not available in France and Australia) -

Prefix catalogue number with: **EPW** - Emergency / **TPW** - AutoTest / **WPW** - SmartScan e.g. **WPW 19916L** etc.

Add 0.3kg to weights listed

ACCESSORIES

DESCRIPTION	CAT. No.
Surface mounting - Root kit	PW 19918
Surface mounting - J-bolt kit	PW 19919





Designers, manufacturers and suppliers
of professional lighting systems

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Thorlux Carbon Offsetting Project:
www.thorlux.com/trees

The information given in this catalogue is typical and must not be interpreted as a guarantee of individual product performance and/or characteristics. We reserve the right to alter specifications and designs without prior notice.

Thorlux Lighting
Merse Road
North Moons Moat
Redditch
Worcestershire
B98 9HH
England

T +44 (0)1527 583200
F +44 (0)1527 584177
E thorlux@thorlux.co.uk
W www.thorlux.com

Direct UK Sales Line: 01527 583222

Thorlux Lighting Ireland
Unit G6
Riverview Business Park
Nangor Road
Gallanstown
Dublin 12
Ireland

T +353 (0)1 460 4608
F +353 (0)1 460 4609
E thorlux@thorlux.ie
W www.thorlux.ie

Thorlux Lighting Deutschland
Ernst Gnoß Strasse 7
40219 Düsseldorf
Deutschland

T +49 (0)211 695 603-10
F +49 (0)211 695 603-11
E thorlux@thorlux.de
W www.thorlux.de

Thorlux Lighting Australasia Pty Ltd.
31 Cross Street
Brookvale
Sydney
NSW 2100
Australia

T 1300 04 32 32
T +61 (0)2 9907 1261
E thorlux@thorlux.com.au
W www.thorlux.com.au

Registered No. ABN 139 400 507

Thorlux Lighting LLC
Office 334
European Business Centre
Green Community
Dubai Investment Park 1
PO Box 33484
Dubai
United Arab Emirates

T +971 (0)2 656 5842
F +971 (0)2 622 4149
E sales@thorlux.ae
W www.thorlux.ae

