



## SMARTSCAN RADAR



SmartScan Radar version

The SmartScan Radar sensor uses the latest high-frequency technology. Housed within the bollard to protect sensitive components, it delivers the significant benefits of the SmartScan wireless control system.

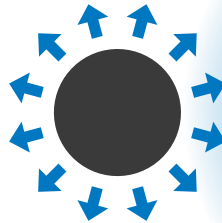
The sensor's position provides 360° detection, ensuring the luminaire will react when approached from any direction. The polycarbonate housing maintains the impact and vandal resistance of the bollard.

- Radar presence detectors are integral to the luminaire, providing improved vandal resistance and aesthetics
- Unique 24 GHz sensor with increased sensitivity to small movements whilst being less prone to false detection than traditional 'microwave' technology
- Fully programmable light levels, detection range (sensitivity), time delays and security levels via the SmartScan Programmer
- New advanced SmartScan technology allows photocell control with the LED lamp on or off
- Full status monitoring via the SmartScan website
- Automatic testing and record keeping of emergency luminaires via the SmartScan website

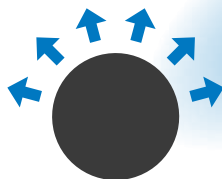
## On-site selectable distribution

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



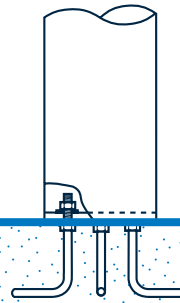
### Surface Mounting

Rigid fix

Direct



J-Bolt Kit



Root Kit



## Root Mounting



### Root Mounting

Area - 11W  
Pathway - 5W

900mm

1100mm

### Root Mounting

Area - 21W  
Pathway - 11W

900mm

1100mm

## Surface Mounting



### Surface Mounting

Area - 11W  
Pathway - 5W

900mm

1100mm

### Surface Mounting

Area - 21W  
Pathway - 11W

900mm

1100mm

# PASSWAY

## 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

## Extruded aluminium body

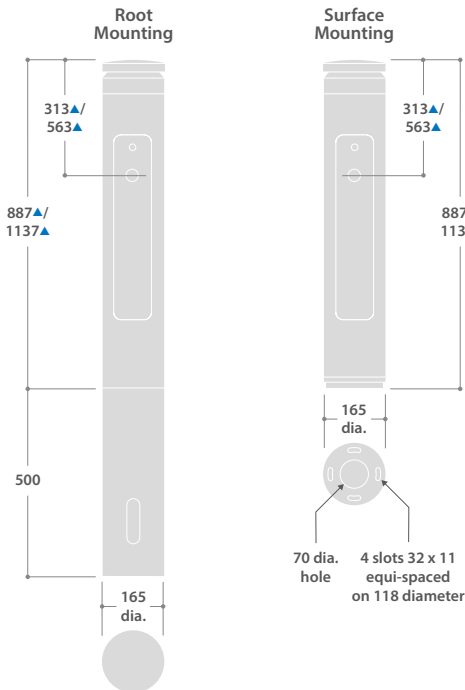
Long life and high durability

## Die-cast aluminium head unit

Excellent thermal management of LEDs for long life



## DIMENSIONS

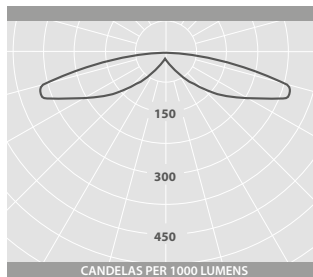


▲ Add 60mm for SmartScan Radar versions

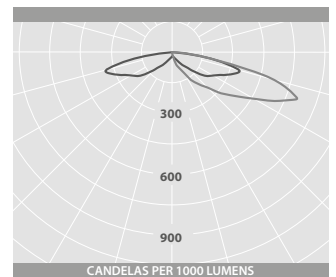
## < 2% Upward Light ✓

Help reduce light pollution and protect the night sky by selecting < 2% upward light luminaires

## PHOTOMETRIC GUIDE



**AREA DISTRIBUTION**  
Luminaire Lumen Output:  
11W = 875lm  
21W = 1495lm



**PATHWAY DISTRIBUTION**  
Luminaire Lumen Output:  
5W = 450lm  
11W = 780lm

## HIGH PERFORMANCE BOLLARD LUMINAIRES WITH EXCELLENT LIGHT DISTRIBUTION



### SPECIFICATION

- Extruded aluminium body with die-cast aluminium 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
- Large access door makes installation simple (Requires a T40 Torx pin security bit - see Accessories table below)
- Integral emergency and SmartScan wireless emergency options
- SmartScan Radar versions with sensor discretely hidden - see page 1
- Extremely long life, up to 100,000 hours
- Fitted with 3000K or 4000K LEDs
- Warmer colour temperatures available to special order

### LED CHARACTERISTICS

CRI	70+
COLOUR TEMPERATURE	3000K/4000K
RATED LIFE (HOURS)	100K - L70/B10
PROTECTION	LUX GUARD
DRIVER EFFICIENCY	>60%
REPLACEABLE	YES
POWER FACTOR	>0.75
<b>LL/CW</b>	<b>62.5</b>

For LED characteristics explanation see [www.thorlux.com/led-guide](http://www.thorlux.com/led-guide)

### SmartScan Configurations



Find out more at [www.thorlux.com/smartsan](http://www.thorlux.com/smartsan)



### RANGE

	NOMINAL SIZE (mm)	LED	3000K	4000K	CIRCUIT	APPROX. kg
ROOT MOUNTING	900	Area - 11W / Pathway - 5W	<b>PW 20428</b>	<b>PW 20420</b>	R/L	9.2
		Area - 21W / Pathway - 11W	<b>PW 20429</b>	<b>PW 20421</b>	R/L	9.2
	1100	Area - 11W / Pathway - 5W	<b>PW 20430</b>	<b>PW 20422</b>	R/L	10.2
		Area - 21W / Pathway - 11W	<b>PW 20431</b>	<b>PW 20423</b>	R/L	10.2
SURFACE MOUNTING	900	Area - 11W / Pathway - 5W	<b>PW 20432</b>	<b>PW 20424</b>	R/L	8.0
		Area - 21W / Pathway - 11W	<b>PW 20433</b>	<b>PW 20425</b>	R/L	8.0
	1100	Area - 11W / Pathway - 5W	<b>PW 20434</b>	<b>PW 20426</b>	R/L	9.0
		Area - 21W / Pathway - 11W	<b>PW 20435</b>	<b>PW 20427</b>	R/L	9.0

**CIRCUIT TYPE** - suffix catalogue number with:  
**R** - SmartScan Radar / **L** - non-dimming (LED) e.g. **PW 20428R** etc.  
 SmartScan Radar add 0.5kg to weights listed.

**EMERGENCY VERSION** (not available in France and Australia) -  
**EPW** - Emergency } (Not available when selecting the 'R' suffix)  
**TPW** - AutoTest  
**WPW** - SmartScan  
 e.g. **WPW 20428R** etc.  
 Add 0.3kg to weights listed.

### ACCESSORIES

DESCRIPTION	CAT. No.
Surface mounting - Root kit	<b>PW 19918</b>
Surface mounting - J-bolt kit	<b>PW 19919</b>
T40 Torx pin security bit	<b>KEY 16989</b>

