

# PASSWAY



## SMARTSCAN RADAR

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.

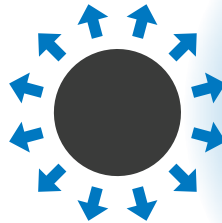
The sensor's position provides 360° detection, ensuring the luminaire will react when approached from any direction. The polycarbonate housing maintains the impact and vandal resistance of the bollard.

- 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 of all luminaires, plus emergency luminaire automatic testing and record keeping, via the SmartScan website

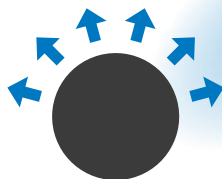
## On-site selectable distribution

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



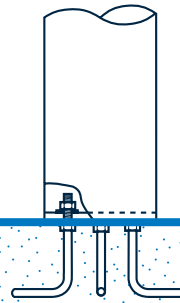
### Surface Mounting

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

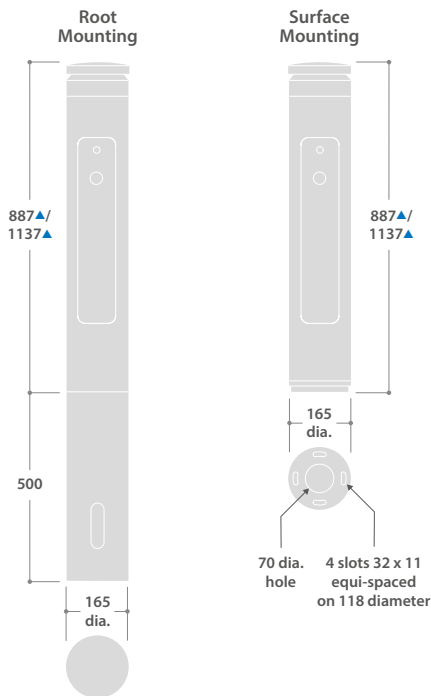
900mm

1100mm

# PASSWAY



## DIMENSIONS

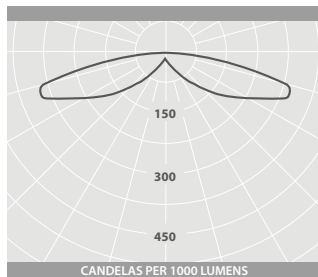


▲ Add 60mm for SmartScan Radar versions

< 2% Upward Light ✓

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

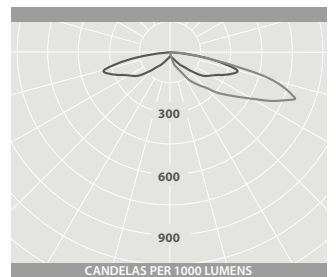
## PHOTOMETRIC GUIDE



### AREA DISTRIBUTION

Luminaire Lumen Output:

**3000K**  
11W = 735lm  
21W = 1255lm  
**4000K**  
11W = 875lm  
21W = 1495lm



### PATHWAY DISTRIBUTION

Luminaire Lumen Output:

**3000K**  
5W = 380lm  
11W = 655lm  
**4000K**  
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 pin Torx 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  
**DPW** - DALI/Self-Test (Not available when selecting the 'R' suffix)  
**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 pin Torx security bit     | <b>KEY 16989</b> |

