Prismalette 360

Vandal-resistant circular luminaires

MADE IN THE
UK

TL Thorlux
Lighting

Prismalette 360
Intelligent, compact, vandal-resistant luminaires

The Prismalette 360 is a compact vandal-resistant circular bulkhead with a high efficiency satin polycarbonate cover and strong high-pressure die-cast aluminium body. With SmartScan Radar, microwave presence detector, photocell and emergency versions the Prismalette 360 is suitable for a wide range of internal and external applications.

**IP66** **IK10++** **UK CA** **CE** **LED**

Two design options.
Plain or hooded.

The Prismalette 360 is available in two versions, both featuring a homogeneously lit diffuser.

The plain version, for wall or ceiling mounting, provides a 360° light distribution. This version can be semi-recessed using an optional recessing bezel which may be preferable for aesthetics where a shallower install is required, or to match an existing style.

The wall mounted hooded version is designed to reduce obtrusive and nuisance light in residential applications.

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Plain

Hooded

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93mm

280mm
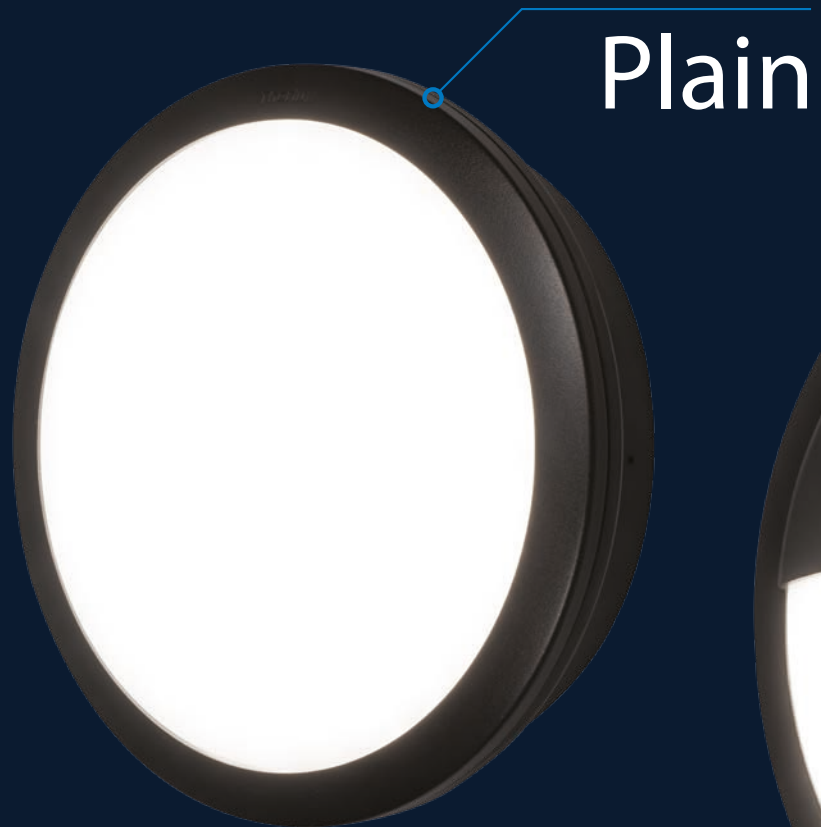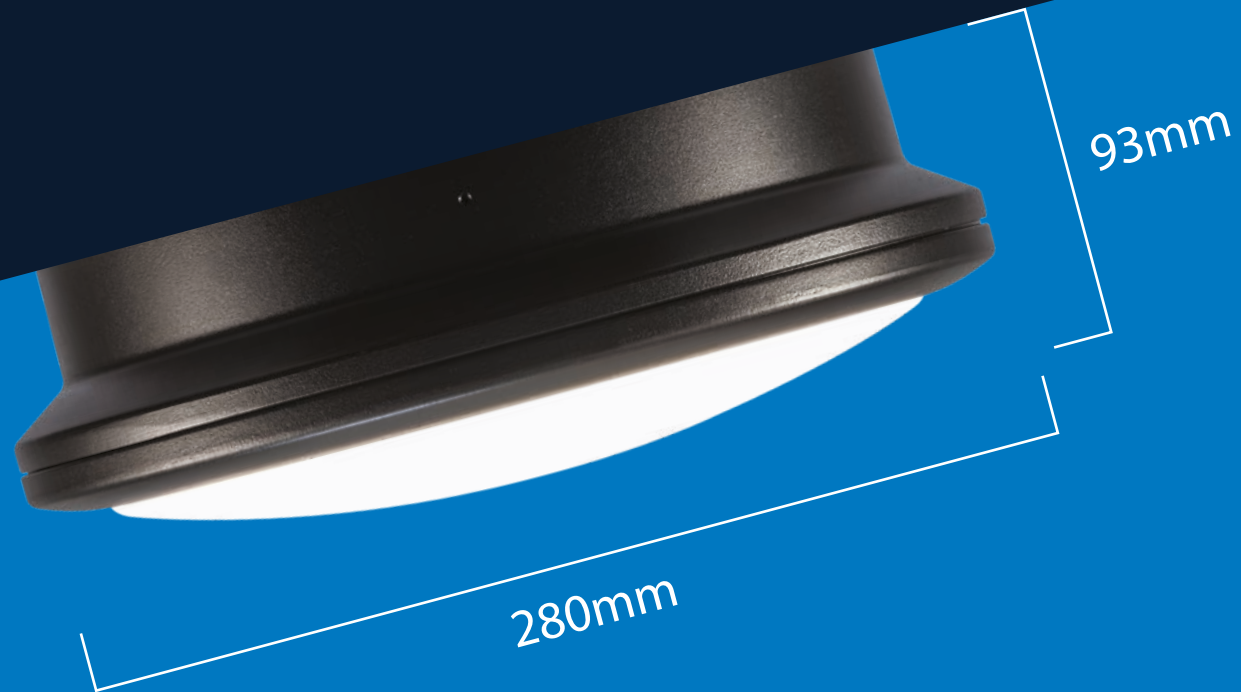
Small but mighty
Everything you need in a compact body

Due to advancements in LED technology the Prismalette 360 is small whilst still offering the output and benefits you would expect from a Thorlux external bulkhead including; SmartScan Radar, microwave presence detector, photocell, emergency and conduit entry.

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Hidden cover screws

The aluminium bezel fixes over the cover screws creating a clean screw free appearance as well as reducing the potential for vandalism. The bezel twists and locks into place and is retained by a 2mm pin hex security screw.

Removable LED module

The Prismalette 360 is supplied with a one piece LED module which simplifies installation and maintenance. The module is a pre-assembled unit which includes the LED PCB, control gear and any emergency or control components and a polycarbonate cover.

During installation, the cast aluminium body is mounted during 'first fix' and the LED module added during 'second fix' by simply plugging in the mains connector and securing the four captive 3mm pin hex security screws.

SmartScan Radar

Lighting control without compromise

Adding lighting control to a luminaire often requires the addition of a sensor which can reduce the structural integrity of a luminaire. Using the latest high frequency sensor technology SmartScan Radar is mounted directly to the LED light engine which is integral to the luminaire therefore protecting these sensitive components. This is ideal for applications where the luminaire aesthetics and impact rating are important factors.

Find out more about SmartScan Radar at

www.thorlux.com/smartscan-radar

SmartScan Radar offers energy saving through presence detection and daylight control, user control via SmartScan scene setting or timed override from the SmartScan website.

SmartScan Radar Benefits

- Radar presence detectors are integral to the luminaire, providing improved impact-resistance and aesthetics.
- Unique 24GHz 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.

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No weak points here
IK10++ presence detection

SmartScan Radar sensors are located inside the luminaire and therefore protected by the 3mm thick polycarbonate cover. This makes them particularly suited to areas where vandalism is likely but SmartScan features are still desired.

Designed for tough environments

Every aspect of the Prismalette 360 has been designed to be resilient. Protection by Lux Guard, Thorlux patented current sharing technology, means that if an LED fails, the neighbouring LEDs increase in brightness slightly to compensate.

Find out more about Lux Guard at
www.thorlux.com/led-guide

Tamper-resistant retaining screw

Prevents the bezel being easily removed.

Cover bezel

A strong high-pressure die-cast LM6 aluminium bezel hides cover screws and deters curious vandalism.

Impact-resistant cover

Shallow depth 3mm thick UV stabilised satin polycarbonate cover rated IK10++.

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Die-cast aluminium body

A strong high-pressure die-cast LM6 aluminium body which is deep enough to accept conduit entry. Full polyester powder coated for a durable long lasting finish.

Silicone gasket

Long life thermally stable silicone gasket which will maintain the IP rating for the life of the luminaire.

Control gear

Fully replaceable control gear with an option for SmartScan Emergency, AutoTest and integral emergency to operate for three hours in the event of power failure.

LED PCB

Replaceable LED PCBs and Thorlux patented Lux Guard LED protection technology.

Engineered for fast installation
4 simple steps

1

Fix body to mounting surface and install mains connector.

2

Connect mains connector to mains socket on the LED module.

3

Fix LED module using four captive screws.

4
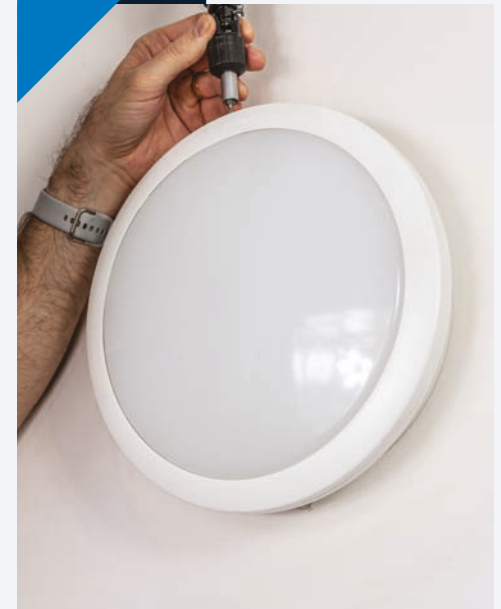
Twist and lock bezel into place and secure with the locking screw.

www.thorlux.com/prismalette-360

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Conduit made simple
Pre-marked drill points

Prismalette 360 installations may require conduit to offer additional safety and protection to cabling. The Prismalette 360 die-cast aluminium body is strong and long lasting and supplied with pre-marked drill points on the top, bottom and sides to simplify installation.

SmartScan Emergency

Fit and forget emergency solution

SmartScan Emergency luminaires are self-test by default and can operate on two platforms:

At Platform 1 all SmartScan emergency luminaires are stand-alone and each luminaire will self-test in a similar way to AutoTest luminaires. However, tests may be initiated and operational status retrieved by using the SmartScan Programmer.

At Platform 2, SmartScan emergency luminaires are linked to a Gateway which collects operational status information and transmits it to the web for viewing on any device suitable for internet browsing. Automatic emergency lighting test schedules can be configured on the SmartScan website to minimise disruption to the building's users.

Find out more about SmartScan Emergency at
www.thorlux.com/smartscan-emergency

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Part of the Prismalette family

Prismalette has been the product of choice for many social housing providers for decades. With it's long-lasting and strong die-cast aluminium body, high impact-resistant polycarbonate cover, vandal-resistance and reliable performance Prismalette is still a market leading luminaire.

Now incorporating the latest LED technology, new distribution options, SmartScan Radar wireless controls and SmartScan Emergency, Prismalette has evolved to meet the demand for innovative and energy efficient lighting solutions.

Prismalette

IP66 · IK10 · UKCA · CE · LED

The Prismalette is a long established bulkhead for social housing applications. With its high impact, vandal-resistance and long life cast aluminium body it has been the product of choice for many providers in this sector for decades.

For more information please visit
www.thorlux.com/products/prismalette

Prismalette Pro

IP66 · IK10 · UKCA · CE · LED

Prismalette Pro added lighting distributions to the range with wall and ceiling versions controlling the light ensuring it is distributed where needed, increasing spacings and reducing obtrusive light.

For more information please visit
www.thorlux.com/products/prismalette-pro

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Range

VANDAL-RESISTANT CIRCULAR LUMINAIRES

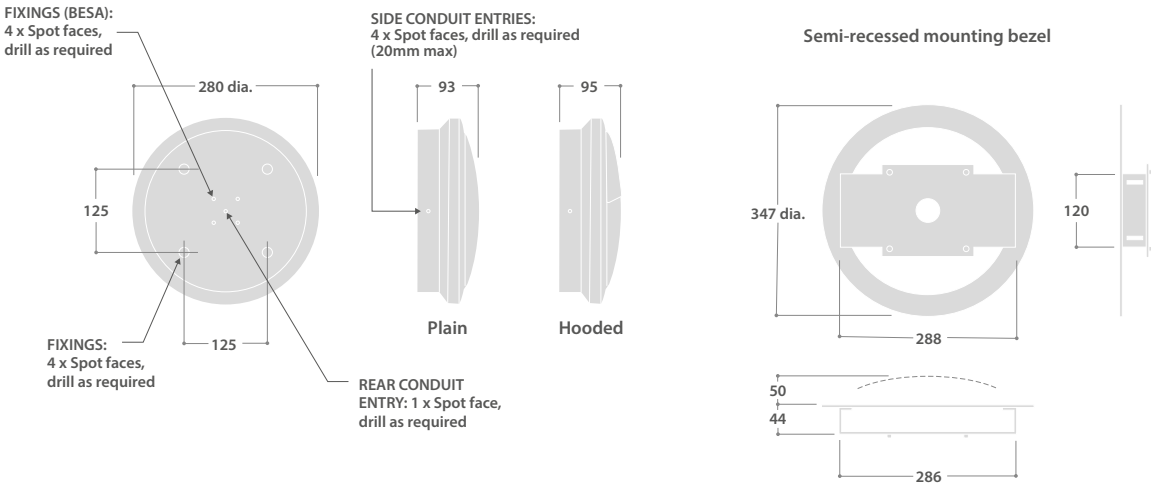IP66 | IK10++ | UKCA | CE | LED | 🛡

SPECIFICATION

- Strong high-pressure die-cast LM6 aluminium body and bezel. Graphite or white full polyester powder finish options
- High efficiency fire-retardant satin polycarbonate diffuser
- Plain or hooded version options
- Tamper-resistant cover screws as standard
- Optional photocell control
- Bezel trim for semi-recessed mounting
- Complies with M.O.D. JSP482 Chapter 8 Document for 'Category C' areas
- SmartScan Radar versions with sensor discretely hidden behind the cover
- Microwave presence detector versions with stand-by light level feature
- Fitted with 4000K LEDs

SmartScan Configurations

Find out more at **www.thorlux.com/smartscan**

DIMENSIONS

FIXINGS (BESA):
4 x Spot faces, drill as required

280 dia.

125

125

FIXINGS:
4 x Spot faces, drill as required

REAR CONDUIT ENTRY: 1 x Spot face, drill as required

SIDE CONDUIT ENTRIES:
4 x Spot faces, drill as required (20mm max)

93

95

Plain   **Hooded**

Semi-recessed mounting bezel

347 dia.

288

120

50

44

286

LED CHARACTERISTICS

CRI	**80+**
COLOUR TEMPERATURE	**4000K**
RATED LIFE (HOURS)	**100K - L80/B10**
PROTECTION	**LUX GUARD**
DRIVER EFFICIENCY	**>70%**
REPLACEABLE	**YES**
POWER FACTOR	**>0.9**
LL/CW	**118.2**

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

ACCESSORIES

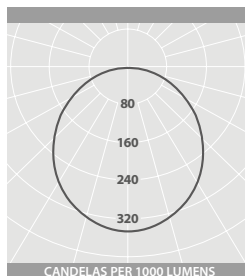| DESCRIPTION	CAT. NO.
Keys for tamper-resistant screws	**PM 20095**
Bezel for semi-recessed mounting - graphite	**PM20094G2**
Bezel for semi-recessed mounting - white	**PM20094W9**

WEIGHTS

VERSION	APPROX. kg
Plain	2.2
Hooded	2.4

EMERGENCY
Add 0.3kg to weight listed.

SMARTSCAN RADAR
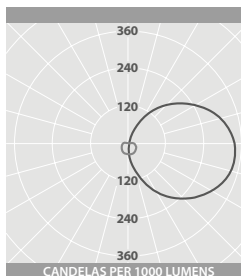Add 0.1kg to weight listed.

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PHOTOMETRIC GUIDE

PLAIN
Luminaire Lumen Output:
16W = 2245 lm

HOODED
Luminaire Lumen Output:
4W = 640 lm
8W = 1135 lm

CONFIGURATOR

EMERGENCY TYPE ◆		PRODUCT CODE		WATTAGE		COVER		PHOTOCELL		COLOUR		CONTROL TYPE	
Plain Versions													
W	SmartScan *****	**PM**	Prismalette 360	**016**	16W	**P**	Plain	**P**	Photocell ********	**G**	Graphite	**R**	SmartScan Radar
T	AutoTest ******							**X**	No photocell	**W**	White	**M**	Microwave
E	Emergency ******											**L**	Non-dimming
Hooded Versions													
W	SmartScan *****	**PM**	Prismalette 360	**004**	4W	**H**	Hooded	**P**	Photocell ********	**G**	Graphite	**R**	SmartScan Radar
T	AutoTest ******			**008**	8W			**X**	No photocell	**W**	White	**M**	Microwave *******
E	Emergency ******											**L**	Non-dimming

E.g. WPM004HXGR

W	SmartScan	**PM**	Prismalette 360	**004**	4W	**H**	Hooded	**X**	No photocell	**G**	Graphite	**R**	SmartScan Radar

◆ Optional, leave blank if emergency is not required

* **Only** available with **R** Control Type (Use with **L / M** Control Type available from April 2021)
** **Not** available with **R** Control Type
*** **Not** available with 4W versions
**** **Not** available with **E** Emergency Type or **R / M** Control Types

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Designers, manufacturers and suppliers of professional lighting systems

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HAZARDOUS AREA LUMINAIRES
RETAIL AND DISPLAY LUMINAIRES
CONTROLS AND SYSTEMS

A DIVISION OF FW THORPE PLC

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.

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