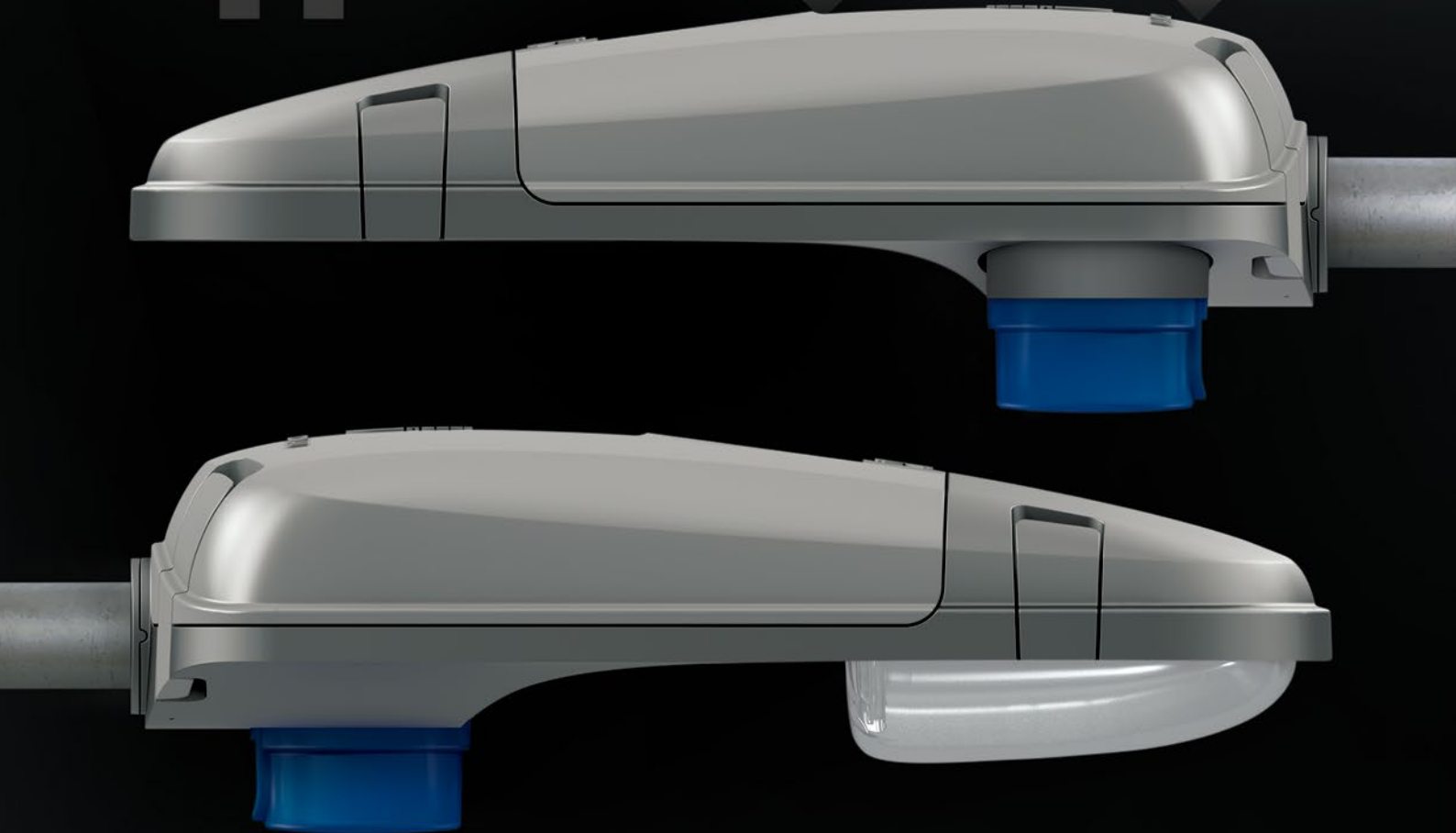


BRAUMS

Smarter Safer Greener Living



P Category LED Street Lighting



About BRAUMS

At BRAUMS, we pride ourselves on design, innovation and quality.

Delivering world class Intelligent Transportation Systems (ITS) and connected traffic management products, we have been Australia's leading LED traffic light manufacturer for many years. But we do more than manufacture traffic lights, we deliver holistic ITS and Smart City solutions, offering everything from Variable Message Signs and Parking Guidance Systems to IoT Data collectors, Real-Time V2X Traffic Management Software and now Intelligent Roadway Lighting - offering custom system integration and after sales support across our product portfolio.

With decades of industry experience – BRAUMS delivers technologically advanced, reliable and efficient products that are backed by exceptional service and support from our team of experienced engineers and technology partners.

As millions of people use our products everyday, we consider the broader community to be our customers, hence we aim to develop products that offer improved user experience and benefits to the broader community.

The BRAUMS Experience

Designed & Developed Locally

All products are designed and developed locally by the BRAUMS engineering team in Sydney, Australia.

National Distribution

With distribution warehouses in a number of states, we offer fast delivery throughout Australia and New Zealand.

Tailored Lighting Solutions

Our sales and engineering team will develop custom lighting solutions specifically to suit your needs, including recommended luminaire positioning and system integration.

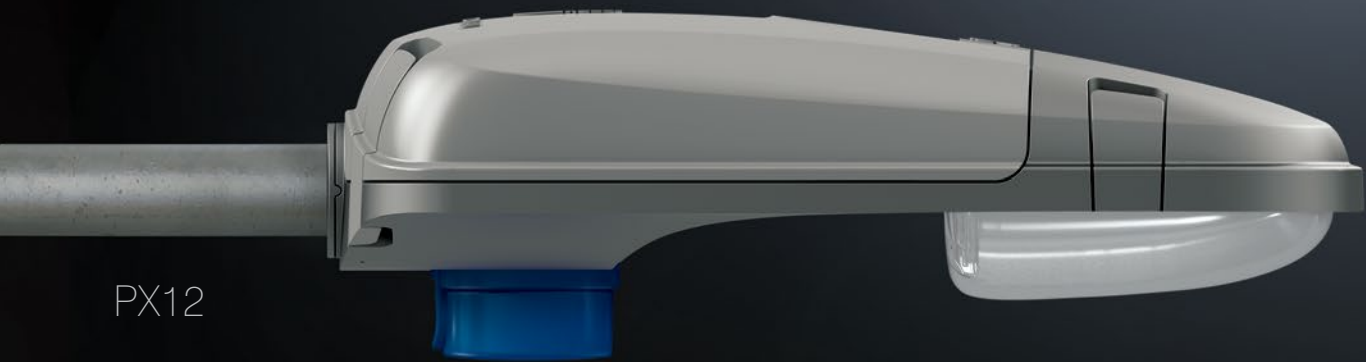
Technical Support

In addition to our 24-7 online Helpdesk, we also offer comprehensive after sales technical support, either remotely or on-site of installation.

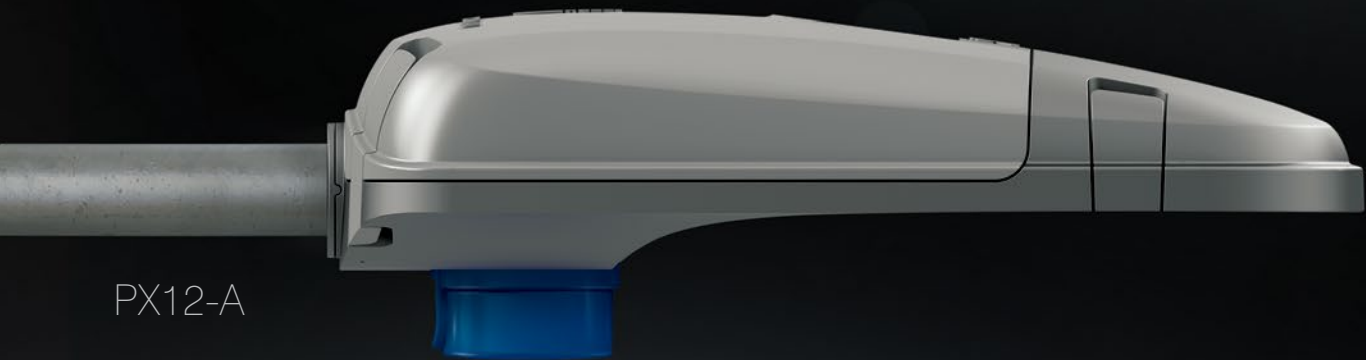
Quality Management System

To ensure consistency, our production processes are standardised to comply with Quality ISO 9001, OHS ISO 45001, and Environment ISO 14001.





PX12



PX12-A



PX12-A-B

Colour Options

The PX Luminaire is available in RAL9006 Silver Grey, Black, or your choice of custom colour upon request.



PX12-T

PX12 + GSR

PX12 + GSF

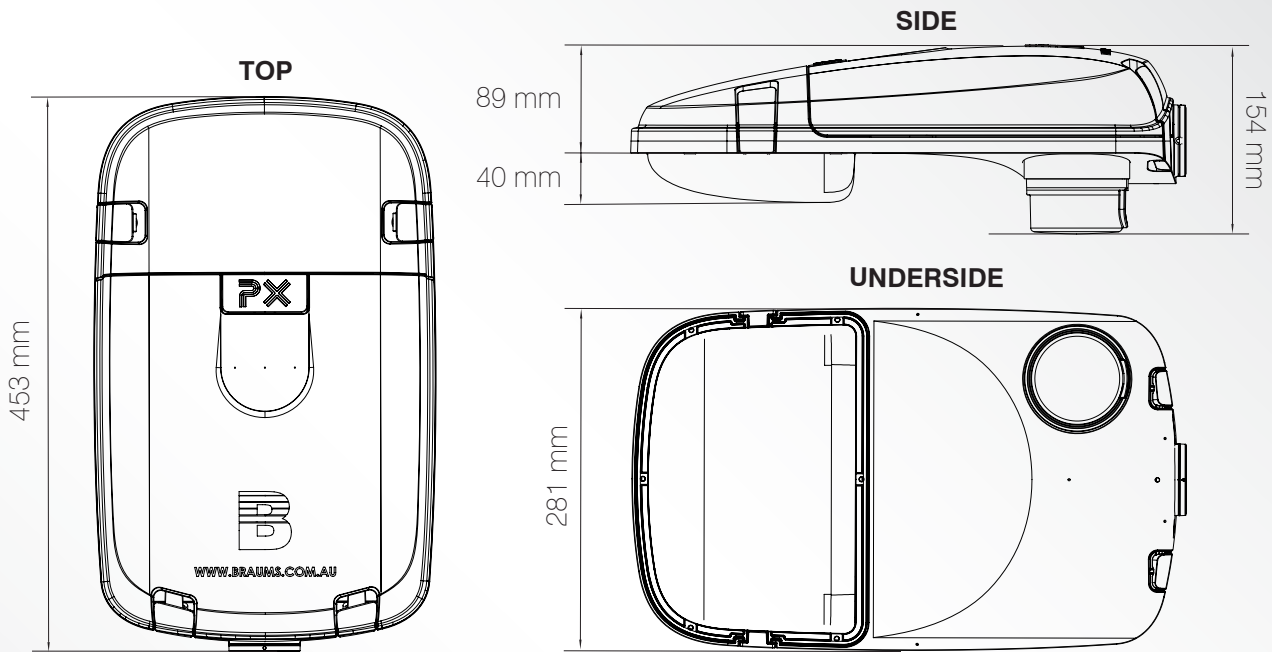
PX Luminaire Series

Specifications

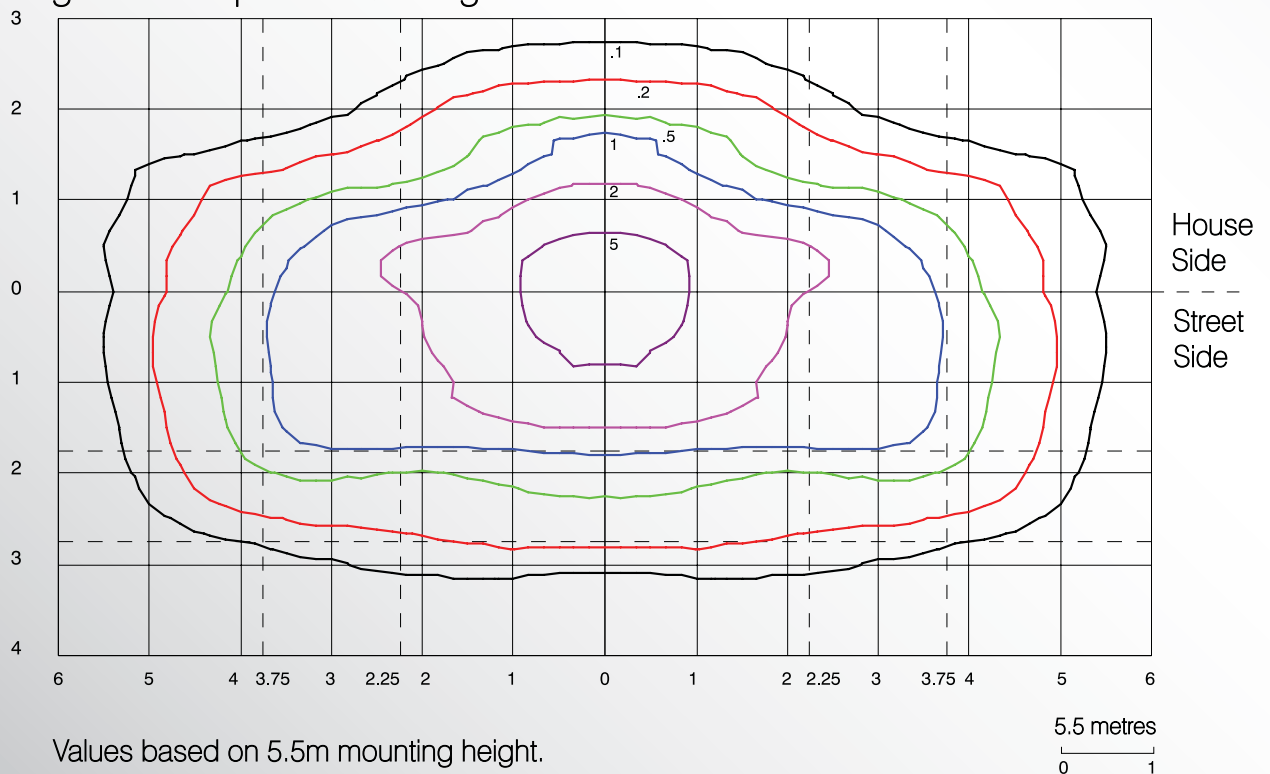
Application	Designed for AS1158 Category P Lighting with NATA Approvals
Lamp Type	CREE – XPG3 LED, LED Efficacy at 187lm/W @ 25°C
Total Luminous Flux	1644 lm (+/- 7%)
System Wattages	12W (Standard) 25W (High Output)
Lumen Maintenance	L80 @ 100,000 hours, Control Gear Failure Rate @ 10%
Serviceability Class	Class A. Driver, LED Board, SPD, Optic lens, Front cover & Mechanical parts
Body	Polyester powder-coated, pressure diecast aluminium housing & shell
Visor	Clear toughened acrylic in Semi Cut-Off or Aeroscreen, UV resistant
Input Voltage	220-240VAC
Frequency	50/60Hz
Operating Temp.	-15°C to +70°C
Power Factor	>0.93
SPD	In: 5kA, Uoc: 10kV, Uc: 320VAC, Rated Load Current: 5A
EMC Compliant	AS/NZS CISPR15, EN/IEC 61000-3-2, EN/IEC 61000-3-3 Immunity EN61547
NEMA	Standard NEMA 7 Pin Photoelectric (PE) Cell, Dimmable Functionality.
IoT Smart Controls	Compatible with NBloT, SigFox, 6LoWPAN, Zigbee, LoRaWAN, DALI, Zhaga and all proprietary lighting control systems. Tailored system configurations can be provided.
Colour Temperature	4000K, Neutral White
Colour Rendering Index	≥70
Mounting Type	Horizontal
IK Protection	IK06
Optical IP Rating	IP66
Gear Chamber IP Rating	IP24 Housing of IP67 Electrical Components
Spigot Entry (OD)	27-34mm or 42-60mm
Weight	<7Kg
Available Options	Adjustable Upcast Spigot (-5° / 0° / + 5° / +10°) 180° Rotatable Upcast Spigot Front or Rear Glare Shields Double Insulated Internal Wiring

PX Luminaire Series

Product Dimensions



PX 12W Luminaire Horizontal Illuminance - Light Beam Spread: 154 Degrees



PX Luminaire Series

Product Options

Core Product

PX12

Description

12W Luminaire Semi Cut-Off Bottom Mount PE Cell

PX25-HO

25W High Output Luminaire Semi Cut-Off Bottom Mount PE Cell

Product Variant

Add -A

12W Luminaire Aeroscreen Bottom Mount PE Cell

Available Options

Add -B

Black Powder Coated Luminaire

Add -FTB

Fused Terminal Block

Add -DI

Double Insulated Internal Wiring

Add -T

Top Mount PE Cell

Add -U

Adjustable Upcast Spigot

Add -R

180° Rotatable Upcast Spigot

Accessories

GSF

Semi Cut-Off Glare Shield Front

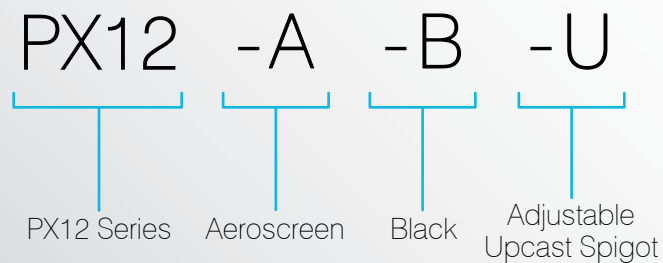
GSR

Semi Cut-Off Glare Shield Rear

PX-SC

Shorting Cap (Replaces PE Cell)

Example Ordering Code



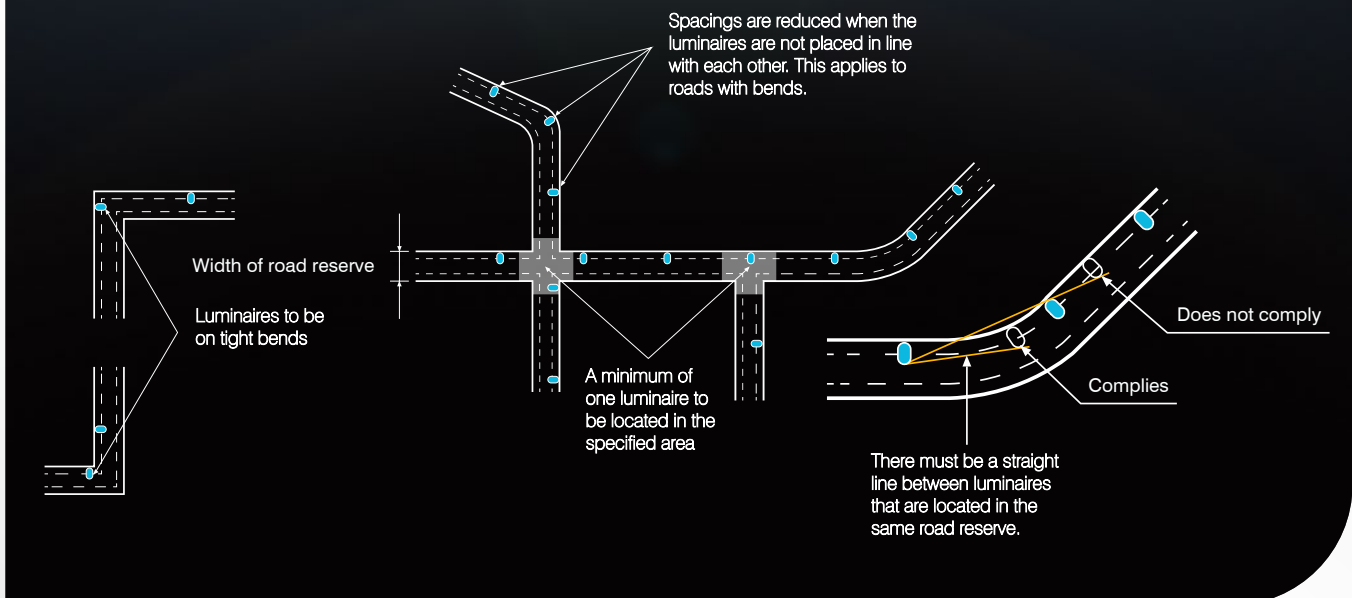
PX12-A-B-U

Recommended Locations

Positioning your PX correctly

When considering luminaire placement, it is important to consider existing structural and landscape features. For example, consideration must be given for integrating luminaires into an environment with trees, such as along a pathway or steps. It is important to ensure there is an appropriate level of clearance between the tree or shrub and the light pole to provide the correct illuminance along the pathway or steps and to the opposite footpath.

Luminaire placement also varies depending on road conditions. The following outlines requirements for locations of luminaires on curves and sharp bends and intersections as per AS/NZS 1158.3.1.



P Category Overview

Identifying the Correct P Category

When incorporating the PX Luminaire, the appropriate lighting subcategory must first be confirmed. The following describes all P Categories and their applications. To ascertain which specific classification applies to the area, the following questions must be addressed:

What is the Pedestrian and Cyclists activity?

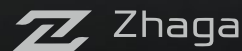
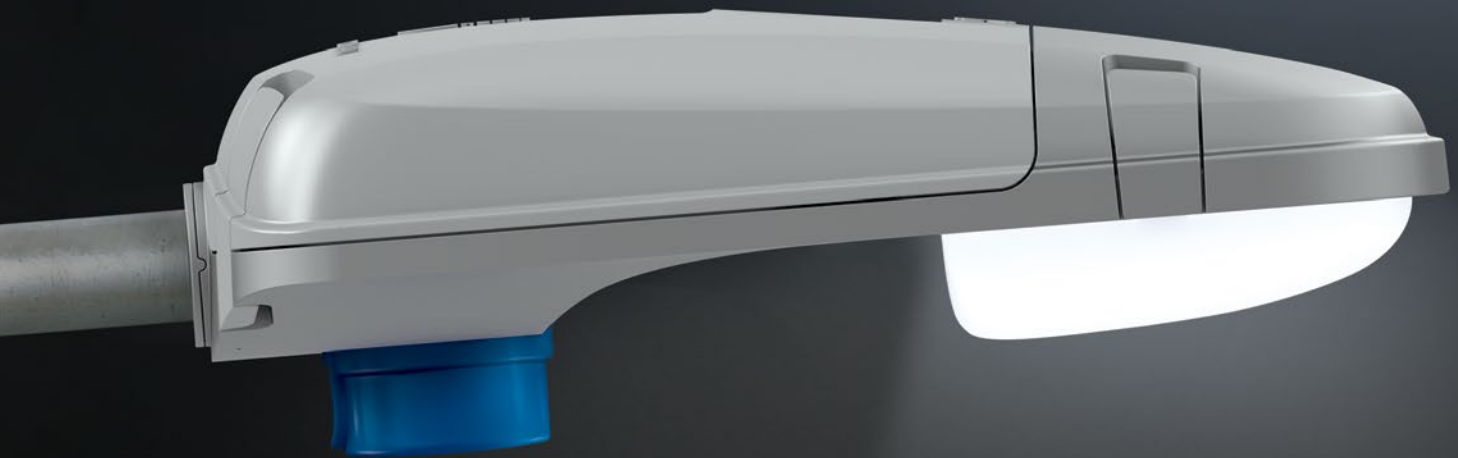
What is the Risk of Crime in the area?

Is there a particular area within the scheme that requires further lighting enhancement?

What are the night-time occupancy rates? (for car parks only)

BRAUMS

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Compatible IoT Smart Controls

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