

About the ZX3

The ZX3 lantern incorporates a Sealsafe® optical unit. This technology has been proven in service since 1985.

Assurance

The ZX3 luminaire contains a Sealsafe® optical unit of IP66 tightness and is manufactured under quality systems in accordance with EN ISO 9001.

Main Benefits

Efficient photometry has been achieved using a high purity aluminium reflector. Compact, slim, vandal resistant design, built with minimised maintenance in mind.

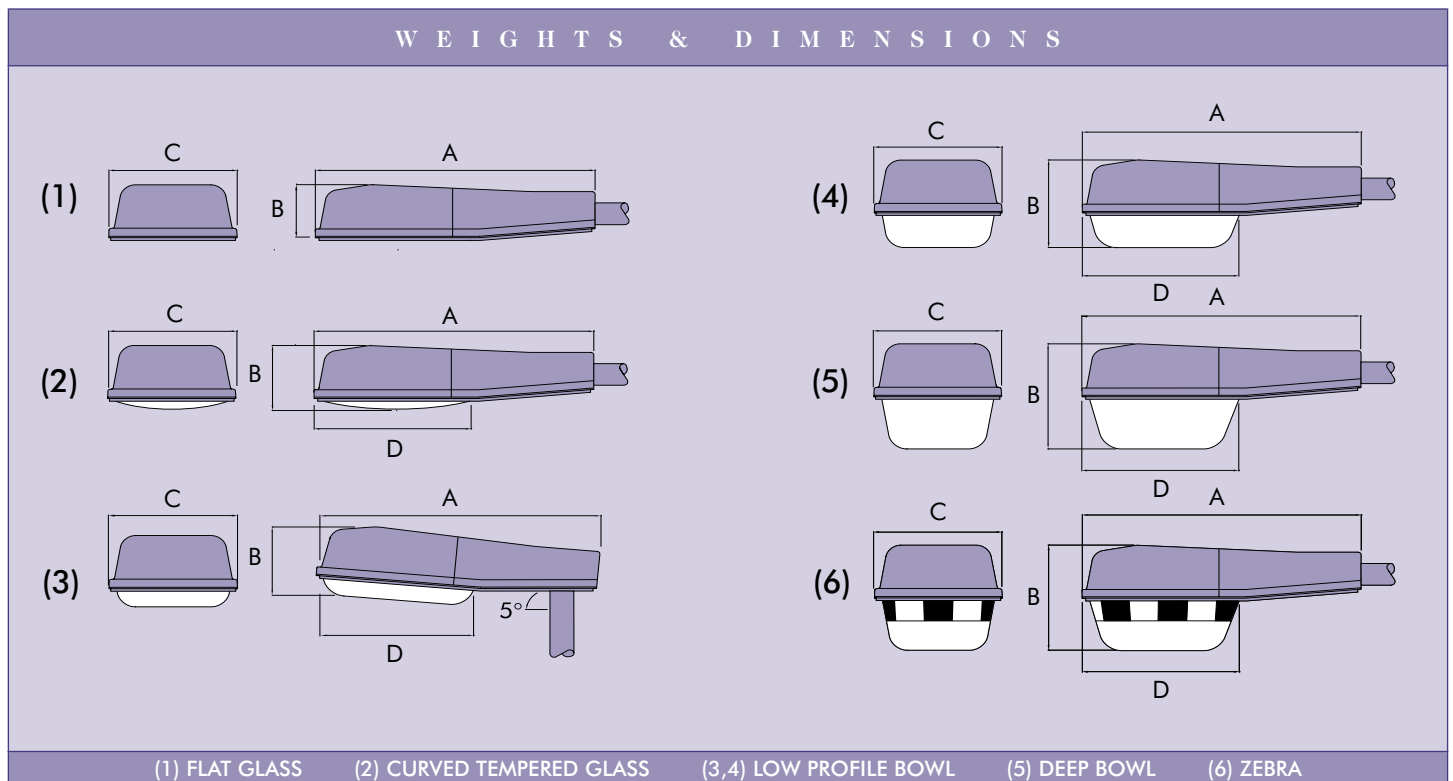
Optical System

Incorporates a 1289 high performance IP66-rated reflector and protector bowl combinations.



ZX3 Flat Glass

WEIGHTS & DIMENSIONS



(1) FLAT GLASS

(2) CURVED TEMPERED GLASS

(3,4) LOW PROFILE BOWL

(5) DEEP BOWL

(6) ZEBRA

LAMP AND GEAR	WEIGHT
100 Watt SON-T Plus	8.60kg
150 Watt SON-T Plus	8.90kg
250 Watt SON-T Plus	9.70kg
400 Watt SON-T Plus	11.00kg

PROTECTOR	PROJECTED SIDE AREA	DIMENSIONS (mm)			
		A	B	C	D
Flat Glass	0.1105m ²	765	155	350	-
Curved Tempered Glass (CTG)	0.1180m ²	765	195	350	430
150W Low Profile Bowl	0.1281m ²	765	213	350	430
250W Low Profile Bowl	0.1463m ²	765	254	350	430
Deep Bowl & Zebra	0.1637m ²	765	315	350	430

How to specify

Luminaire for public lighting, for lamps with power rating of 100 Watts to 400 Watts, that consists of an injection-moulded aluminium alloy body, with a cover made out of polypropylene, stabilised against UV rays. An optical compartment comprising a protector permanently bonded onto a reflector. A reflector made out of deep drawn, polished and anodised aluminium; a removable control gear plate and a mounting system for both horizontal (ø42-48-60mm) or vertical (ø60-76mm) mounting.

Applications

The design of the ZX3 luminaire combines simplicity with high mechanical quality and effective light distribution. The ZX3 is ideal for lighting medium or heavy traffic density roads to BS5489 Part 2 and motorways to BS5489 Part 10. Also ideal for security lighting and car parks.

Description

The luminaire comprises a high pressure die cast aluminium body finished in polyester powder coated grey, with an injection moulded polypropylene protective cover, coloured in either light grey or black. The cover is made in two hinged parts. The protector is injection moulded in clear acrylic and bonded to the reflector to form a Sealsafe® sealed beam optical unit, with an IP66 tightness rating. The control gear is integral, in a compartment sealed to IP43.

Lamps

100 Watt, 150 Watt, 250 Watt or *400 Watt clear tubular high pressure sodium lamp.

*with glass protector only.

Installation

Horizontal mounting on 60mm, 48mm and 42mm diameter bracket arm, with 100mm penetration. Locking by means of two M10 Allen screws. Vertical mounting on 60mm diameter column directly, or 76mm diameter column with an adaptor, 75mm penetration, giving 5° lantern inclination. Locking by means of two M10 Allen screws.

Maintenance

The control gear is accessed by hinging open the top cover. The front part is fixed and the rear part can be opened by releasing two sprung stainless steel clips, giving access to the Sealsafe system and the gear tray assembly. The Sealsafe system is a sealed beam optical unit with an IP66 tightness rating.

Photometry

Available electronically or as a graphical report.

Options

- Flat glass
 - Curved tempered glass (CTG)
 - Deep or low profile polycarbonate bowl#
 - Zebra version for lighting pedestrian crossings
 - NEMA socket
 - Photo cell control
 - Various column adaptors and brackets
 - Wall bracket
 - Metal halide lamp packages
 - Mercury vapour lamp packages
 - White SON lamp packages
 - High pressure die cast aluminium body polyester powder coated in any British Standard or RAL colour.
 - Injection moulded polypropylene protective cover available in various colours.
- #except 400 Watt



M1 Motorway, Buckinghamshire.

Photograph courtesy of Buckinghamshire County Council.