

THORN
LIGHTING



R2L2 XS

Smaller size, excellent performance



R2L2 XS

Sleek in design, R2L2 XS assures comfort and security for users.

COMPREHENSIVE RANGE TO FIT ALL ROAD AND STREET ENVIRONMENTS

R2L2 XS is the smallest of a family of three sizes with an extensive choice of lumen outputs and light distributions, making it suitable for all kinds of road lighting applications.

GREAT OPTICAL DESIGN

Efficient (up to 152 lm/W) R-PEC® optics offering precision light distributions, achieving wide column spacing, excellent uniformity with no waste or obtrusive light.

FULL FLEXIBILITY

R2L2 XS benefits from a universal and integrated spigot offering full flexibility through top and side entry, as well as tilt adjustment and tool-less top opening. Automatic disconnect ensures easy and safe access, with a great choice of controls to minimise power consumption and maximise the benefits of smart lighting.

APPLICATIONS



MINOR ROADS



RESIDENTIAL
AREAS



WALKING PATHS/
ROUNDBABOUTS



COASTAL
ENVIRONMENT

MOUNTING OPTIONS



SIDE



TOP



TILT ADJUSTMENTS

A COMPLETE ROAD LANTERN FAMILY

TO OFFER EXCELLENT LIGHTING PERFORMANCE
AND COVER ALL ROAD AND STREET APPLICATIONS.



R2L2 M
from 9500 lm to 33 800 lm



R2L2 S
from 2000 lm to 14 500 lm



R2L2 XS
from 1900 lm to 13 000 lm



CONTRACTOR FRIENDLY

01

Easy maintenance thanks to opening and gear tray removal without tools.

02

Safe maintenance and installation thanks to automatic disconnection and spacing lever.

03

Universal and integrated spigot offering flexibility through top and side entry as well as tilt adjustment.

TECHNICAL DATA



CONTROLS

- BPS – Dimming profile with Bi power option, DALI, Photocell
- ALO – adjustable lumen output
- CLO – constant lumen output
- LRT – line switch via pilot line
- RF – radio frequency InCity, Zagha and Nema (3 and 7 Pins) sockets

MATERIALS AND FINISH

- Housing, canopies, spigot: full die-cast aluminium powder coated resistant to environment
- Texturised light grey (close to RAL9006) powder-coated or texturised anthracite grey (close to RAL7043)
- Other paintings on request
- Glass: 5 mm thick to reach IK09
- Stainless steel fixings

INSTALLATION & MOUNTING

- Post-top mounting: Ø 60 – 76 mm
- Adjustable tilt angle top: 0° to +10° (5° steps)
- Post-top mounting: Ø 34 – 60 mm
- Adjustable tilt angle side: -15° to 0° (5° steps)

ACCESSORIES

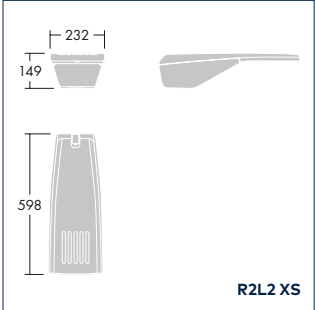
- Front, back and side louvres
- Extra protection for low installation where IK10 is required

					
UP TO 152 LM/W	UP TO 100 000 HOURS L90/B10 @ TA 25 °C	3000 K 4000 K	70, 80	FROM 14 TO 95 W	-25 °C 25 °C 35 °C* 50 °C*
					*ambient temperature options depending on lumen output
IK09 (IK10 WITH ACCESSORY)	IP66	UP TO 10 KV SINGLE PULSE AS STANDARD	FROM 9000 LM TO 13 000 LM	ALL THORN R-PEC® OPTICS	

CONFIGURATION GUIDE

thornlighting.com/R2L2

RX	12L	70	740	NR	CLO	BPS550	HFX	SP	CL2	N7	RF	MLE	D6	ANT
Range	LED	mA	CCT/CRI	Optic	CLO	Diming	DALI	Fuse	Safety	Photocell	Comm	Spigot	Wiring	Colour
														GY ANT BK R9006 R9016 R9005 R9007 R7035 R7016 R3004 R7015 R6005 R9010 R7043 R7044
														Light Grey 150 Sanded; White mask Anthracite 900 Sanded; White mask Black Sanded; White mask RAL 9006; White mask RAL 9016; White mask RAL 9005; White mask RAL 9007; White mask RAL 7035; White mask RAL 0716; White mask RAL 3004; White mask RAL 7015; White mask RAL 6005; White mask RAL 9010; White mask RAL 7043; White mask RAL 7044; White mask
														Optional Pre-wired, 6 m length Pre-wired, 8 m length Pre-wired, 10 m length Pre-wired, 6 m length Pre-wired, 8 m length Pre-wired, 10 m length
														D6 D8 D10 W6 W8 W10
														Spigot lateral Spigot post top
														MLE MTP
														Optional RF InCity
														Optional 3 pin NEMA socket 7 pin NEMA socket Zagha socket Minicell
														N3 N7 Z4 PM
														CL1 CL2
														Class I electrical (earthed) Class II electrical (double insulated)
														Optional Surge protection device multipulse 10 kV
														SP
														Optional DALI Dimmable
														HFX
														Optional Bi Power Power Line Light Reduction Twin Phases Bi-Power switchable 8h 50 % reduction around midnight Bi-Power switchable 5h 50 % reduction around midnight Bi-Power switchable 7h 50 % reduction around midnight Bi-Power switchable 5h 30 % reduction around midnight Bi-Power switchable 7h 30 % reduction around midnight Bi-Power 5h 50 % reduction around midnight Bi-Power 8h 50 % reduction around midnight Bi-Power 7h 50 % reduction around midnight Bi-Power 5h 30 % reduction around midnight Bi-Power 7h 30 % reduction around midnight
														BPL LRT BPS BPS550 BPS750 BPS530 BPS730 BP550 BP BP750 BP530 BP730
														Optional Constant Light Output
														CLO
														MR NR EWR SR WR RC RWT WS WSC EWS TR EWC ES IVS SC ENR
														Medium road Narrow Road Extra wide Road Staggered Road Wide Road Highway Wet condition Wide Street Wide Street Comfort Extra Wide Street Tight road Extra Wide Street Comfort Extensive road Pedestrian crossing Street Comfort Extra narrow road
														730 740 830 840
														CRI 70 3000 K CRI 70 4000 K CRI 80 3000 K CRI 80 4000 K
														ALO 35 to 105
														Adjustable lumen output 350 mA to 1050 mA
														From 12 LEDs to 36 LEDs
														12L to 36L
														RX
														R2L2 XS



Configure the ideal product solution with myProduct. The myProduct configurator allows you to easily configure a luminaire according to your needs.
Try it now at www.thornlighting.com/myproduct



As a globally leading luminaire manufacturer, Thorn Lighting provides a five-year warranty for its complete product range within all European Countries.
thornlighting.com/guarantee

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02/2020 (INT)

WE
MAKE
LIGHT
WORK