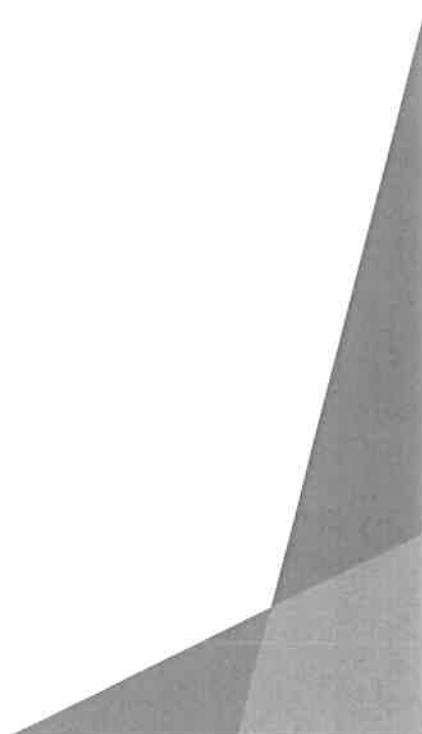


Kirium bollard





Light the way

A range of classically styled, vandal resistant IK10 bollards with market-leading optical performance. For purpose illumination: promoting safe navigation through campuses, car parks and public spaces.

Key advantages

- Smart City ready
- Robust, vandal-resistant design
- Industry leading optical performance
- Integral CMS and presence detector
- Integral emergency option available
- BREEAM compliant
- Low glare
- 2700K / 3000K / 4000K



Integral CMS shown with urbancontrol®



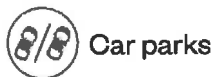
Integral presence detector



Integral emergency



Applications



Car parks



Footpaths / pathways



Parks



Public spaces



Rail

Two styles

Curved

Angular



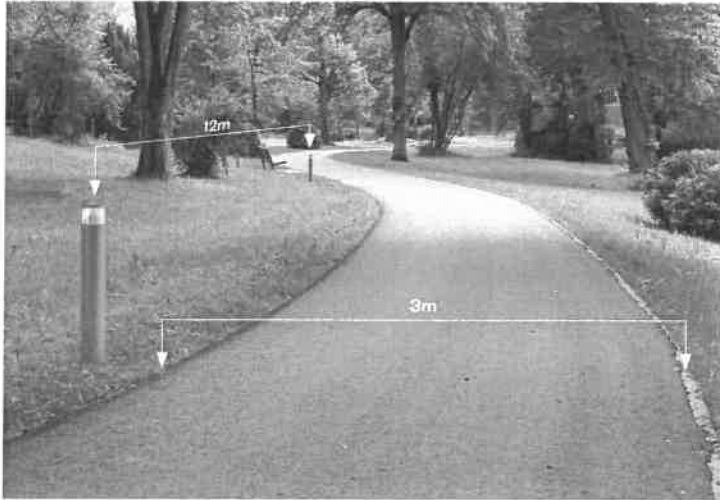
Two diameters

Ø160mm

Ø200mm



Optical performance

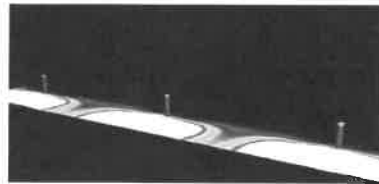


Example lighting levels

Typical result at 12m spacing, on a 3m wide path - designed to achieve P lighting classes

Lighting Class P3

Path Width	3m
Eav	7.50 - 11.25lx
Emin	1.5lx



Kirium 160

Class leading uniformity, with no visible hotspot.

Asymmetric - medium



Asymmetric - with backshield



Symmetric



Kirium 200

Performance spread for area illumination, providing optimal spacing for pathways up to 3m in width.

Asymmetric - narrow



Asymmetric - medium



Asymmetric - wide



Symmetric



A family solution

Complementary to our Kirium Pro range of street lighting and wall luminaires: a complete family solution for your project needs.



Kirium bollard

IP66 | IK10 | CLASS I

Features

Vandal resistant design
High performance optics
Low glare

Options

Choice of two styles and two diameters, complementary to Kirium Pro range

Optical control

Symmetric
Asymmetric
Footpath
180° (with light shield accessory)

Light source

High power LED

Lifetime prediction

L80 B10 – in excess of 100,000 hours

Total luminaire lumens

Kirium bollard 160: 1100lm
Kirium bollard 200: 2050lm

Colour temperature

2700K / 3000K / 4000K

Colour rendering index

70Ra (4000K / 3000K)
80Ra (2700K)

Mounting

Root
Flange

Control

DALI/1-10V pre-programmed dimming
3 hour emergency battery backup
Integral GMS (Urban Control, Telensa or Mayflower)
Presence detector (200 diameter only)

Materials

Head: LM6 die-cast aluminium
Body: Galvanised steel
Glazing: Polycarbonate
Seals: Silicone

Finish

Textured polyester powder coat

Colours

RAL 9005 Black
RAL 7046 Grey
RAL 7035 Light grey
Other RAL colours on special request

Installation and maintenance

For dimension drawings and weights, visit: dwwindsor.com/kiriumbollard

Ordering details

	Code	Example
Family		
Kirium	KIB	KIB
Style		
Curved	C	C
Angular	A	
Diameter		
160	16	16
200	20	
Colour temperature		
2700K (160 only)	27	
3000K	30	30
4000K	40	
Distribution		
Symmetric	SY	
Asymmetric - narrow (200 only)	AN	SY
Asymmetric - medium	AM	
Asymmetric - wide (200 only)	AW	
180° Shield		
180° light shield	S	N
No light shield	N	
Colour		
RAL 9005 Black	10	
RAL 7046 Grey	CF	10
RAL 7035 Light grey	29	
Mounting		
Root	R	R
Flange	F	
Control		
Integral GMS – Urban Control	IUC	
Integral GMS – Telensa	ITE	IUC
Integral GMS – Mayflower	IMA	
Pre-programmed dimming*		
Presence Detector		
Presence detector (200 diameter only)	PD	PD
Emergency Version		
3 hour emergency	EM	
Example code = KIB C 16 30 SY N 10 R IUC PD		

*Available as standard subject to further information being provided at time of order.

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