

# Kirium Bollard

Lighting with Purpose





# 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



## Applications



## Two styles

### Curved

### Angular



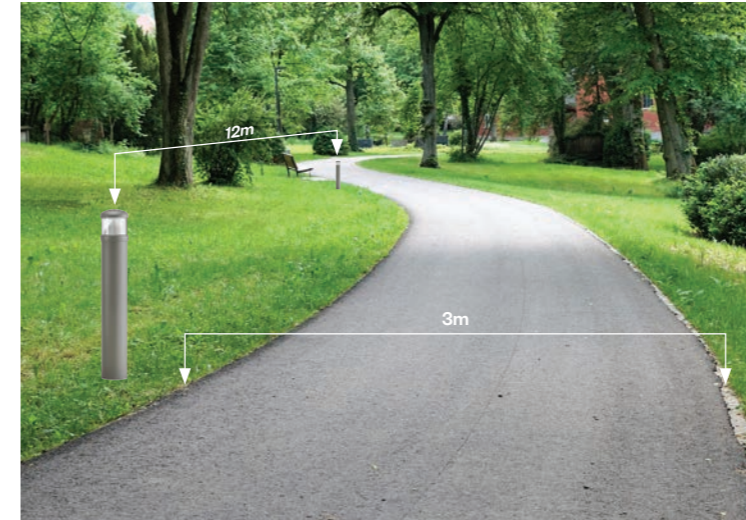
## Two diameters

### Ø160mm

### Ø200mm



# Optical performance

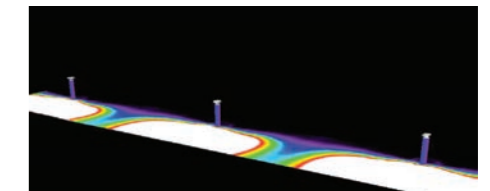


## Example lighting levels

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

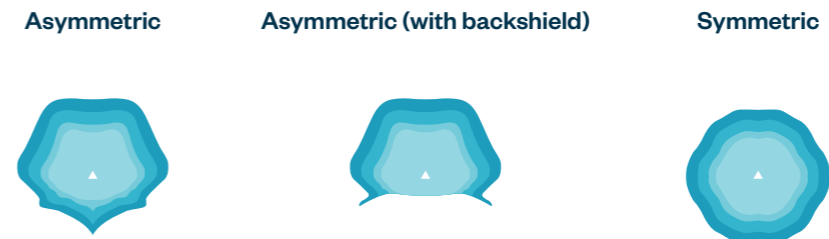
### Lighting Class P2

Path Width	3m
Eav	10.0 - 15.0lx
Emin	2.0lx



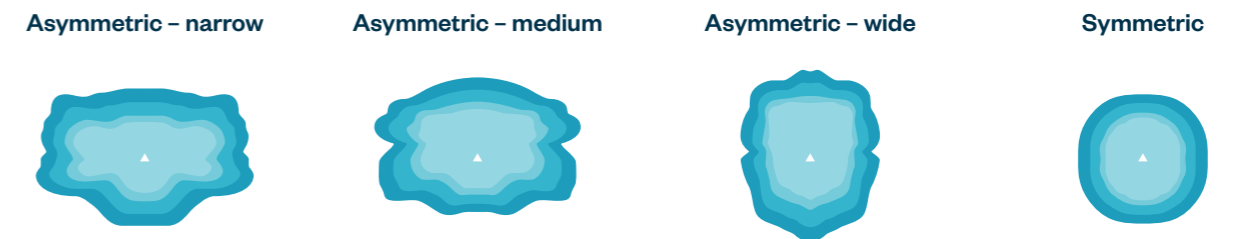
## Kirium 160

Class leading uniformity, with no visible hotspot.



## Kirium 200

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



## A family solution

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



## Features

Vandal resistant design available in a choice of two styles and two diameters, complementary to Kirium Pro range

High performance optics with low glare for best in class uniformity, offered in symmetric and asymmetric distributions

## Optical Control

Symmetric

Asymmetric (Narrow / Medium / Wide)

180° (with light shield accessory)

## Lifetime

L80 B10 – in excess of 100,000 hours

## Total Luminaire Lumens

Kirium Pro Bollard 160: 1,100 lm

Kirium Pro Bollard 200: 2,050 lm

## Colour Temperature

2700K / 3000K / 4000K

## Colour rendering index

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

## Control

DALI/1-10V pre-programmed dimming

3 hour emergency battery backup

Integral CMS (Urban Control, Telensa or Mayflower)

Presence detector option

## Colours

RAL 9005 Black

RAL 7046 Grey

RAL 7035 Light grey

(Other RAL colours available on request)

## Materials

Head: LM6 die-cast aluminium / Body: Galvanised steel

Glazing: Polycarbonate

Seals: Silicone

Finish: Textured polyester powder coat

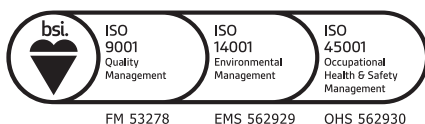
## Mounting

Root / Flange / Bolt-on Root Accessory Option

## Product codes

		Code	Example
<b>Family</b>			
Kirium		KIB	KIB
<b>Style</b>			
Curved		C	C
Angular		A	
<b>Diameter</b>			
160		16	16
200		20	
<b>Colour Temperature</b>			
2700K		-	30
3000K		3000K	
4000K		4000K	
<b>Light Distribution</b>			
Symmetric	Symmetric	SY	SY
-	Asymmetric (Narrow)	AN	
Asymmetric (Medium)	Asymmetric (Medium)	AM	
-	Asymmetric (Wide)	AW	
<b>180° Shield</b>			
180° light shield		S	N
No light shield		N	
<b>Light Output</b>			
Drive currents from 250mA to 700mA available in 50mA increments. Insert drive current value (eg 500mA = 500)		250 / 250 / 300 350 / 400 / 450 500 / 550 / 600 650 / 700	500
<b>Colour Finish</b>			
RAL 7046 Mid grey		CF	10
RAL 7035 Light grey		29	
RAL 9005 Black		10	
<b>Mounting</b>			
Root mounted		R	F
Flange mounted		F	
<b>Mounting Accessories (optional)</b>			
Bolt-on root		B	B
<b>Connectivity &amp; Control</b>			
Integral CMS - Urban Control		IUC	IUC
Integral CMS - Telensa		ITE	
Integral CMS - Mayflower		IMA	
<i>Pre-programmed dimming*</i>			
<b>Presence Detector (optional)</b>			
Presence detector [200 only]		PD	PD
<b>Emergency Version (optional)</b>			
3-hour emergency		EM	-
<b>Example Code: KIB C 16 30 SY N 500 10 F B IUC PD</b>			

\* Class II on request



## DW Windsor

Pindar Road, Hoddesdon, Hertfordshire, EN11 ODX  
+44 (0) 1992 474600 | info@dw Windsor.com  
dw Windsor.com

DW Windsor is a Carbon Neutral company

© 2024 DW Windsor Ltd. All rights reserved.

