

# 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



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

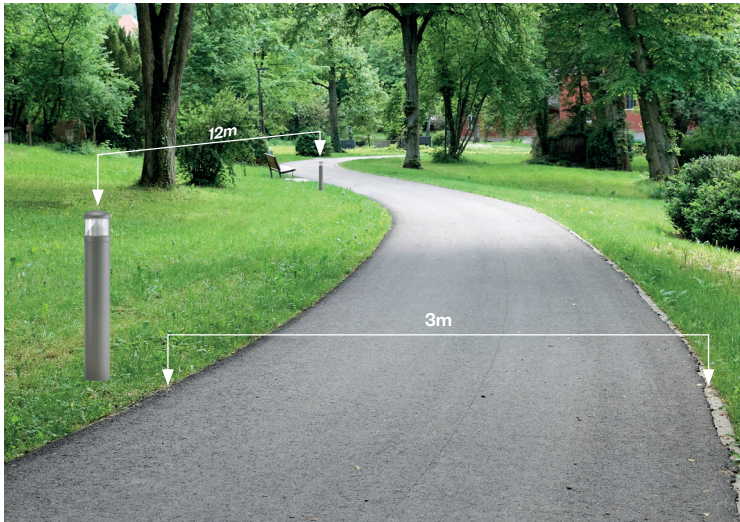
### Ø160mm



### Ø200mm



# Optical performance

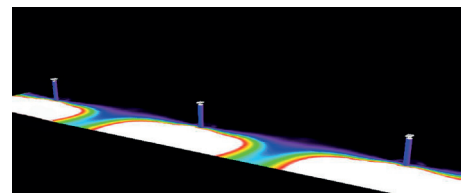


## Example lighting levels

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

### Lighting Class P2

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



## Kirium 160

Class leading uniformity, with no visible hotspot.

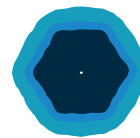
### Asymmetric - medium



### Asymmetric - with backshield



### Symmetric



## Kirium 200

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

### Asymmetric - narrow



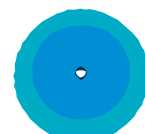
### Asymmetric - medium



### 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.



## 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

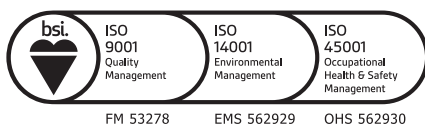
Finish: Textured polyester powder coat

## 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	-	27
3000K	3000K	30
4000K	4000K	40
<b>Light Distribution</b>		
Symmetric	Symmetric	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 200mA to 700mA available in 50mA increments. Insert drive current value (eg 500mA = 0500)	0200 / 0250 / 0300 0350 / 0400 / 0450 0500 / 0550 / 0600 0650 / 0700	0500
<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</b>		
3-hour emergency	EM	-
<b>Example Code: KIB C 16 30 SY N 055 10 F B IUC PD</b>		



## DW Windsor

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