

Kirium Flood

Performance you can trust





Lighting with purpose

Introducing Kirium Flood, a high-performance family of floodlights designed to deliver precision illumination, long-term reliability and intelligent control.

Built for flexibility across a range of demanding exterior applications, Kirium Flood combines efficient optics, scalable outputs and advanced connectivity to place light exactly where it's needed, and only when it's needed. Durable, easy to install and Dark Sky friendly when mounted horizontally, it's a future-ready solution for area, façade and perimeter lighting.

Key advantages

- Available in two sizes, with lumen packages up to 31,000lm for a range of exterior applications
- Can be specified with a choice of mounting options, including stirrup bracket and column post top
- Extremely durable luminaire with an outstanding service life of over 100,000 hours
- Offered with a wide range of control options, including integral CMS
- Multiple LED configurations and flexible drive currents for tailored performance
- Available with a selection of light distributions to ensure light is placed only where needed

Applications



Car parks



Building façades



Rail



Industrial sites



Sports facilities





Range overview

Kirium Flood is a high quality floodlighting solution offering tailored performance thanks to a range of precision optics and drive current settings. In addition, multiple LED packages are available across two luminaire sizes which feature a shared design language, providing a consistent appearance across schemes.



Kirium Flood 2

Lumen Range
3,500 – 15,500 lm

Power Range
19 – 92 W

LED Quantity
24 / 32

Typical Applications
Building Façades / Car Parks / Area Lighting



Kirium Flood 3

Lumen Range
7,200 – 31,000 lm

Power Range
36 – 182 W

LED Quantity
48 / 64

Typical Applications
Industrial Areas / Goods Yards / Multi Use Games Areas



Energy efficient

Kirium Flood offers excellent efficiency of up to 214lm/W to deliver increased energy savings over its 100,000 lifetime, resulting in a quick return on investment and a low total cost of ownership.



Precise illumination

Available with five optics, Kirium Flood can deliver a range of symmetric and asymmetric distributions to ensure light is placed only where needed, helping to protect the surrounding environment.



Easy to control

From standalone controls to integral CMS options, plus a range of NEMA and Zhaga sockets, Kirium Flood can be specified with a range of control and connectivity options to deliver light only when needed.



Built to last

Constructed from high quality materials, including durable die-cast aluminium, Kirium Flood is IP66 rated and features clear glass glazing, helping to protect against the elements—come rain or shine.



Versatile solution

Kirium Flood is a highly flexible luminaire which can be wall, surface or column mounted. It is also easy to install and maintain, and can be locked in tilt for accurate illumination.





Design features

Kirium Flood is a feature-packed, professional lighting solution designed to support a range of applications now, and in the future.



Smart City Ready

Compatible with the latest lighting control technologies via optional top and bottom sockets, delivering additional energy savings



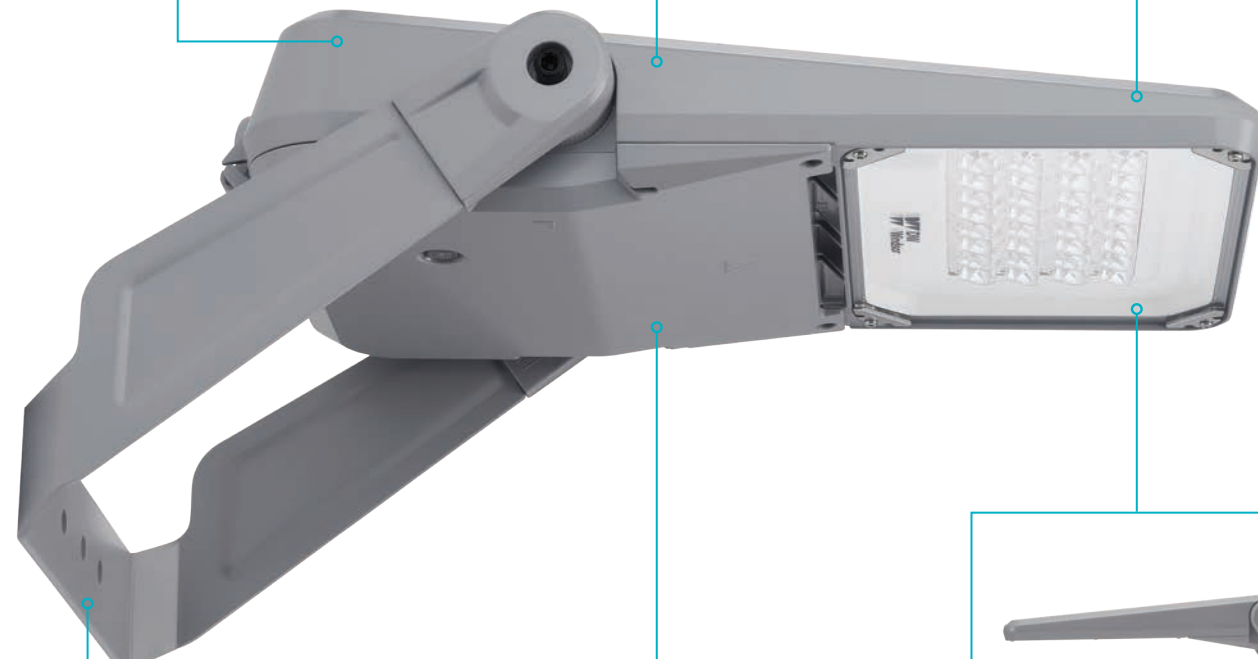
Easy to Install

Kirium Flood is simple to mount and includes a built-in spirit level to ensure accurate positioning and consistent aiming on site



Thermally Optimised

CoolZone™ technology provides a thermal barrier between the driver and LED chamber extending the luminaire's operational lifetime



Mounting Options

Kirium Flood can be wall or surface mounted thanks to its versatile stirrup bracket. A post top column option is also available

Easy to Maintain

A hinged lower electronics cover provides quick access to key components, including the driver and electrical connections



Dark Sky Friendly

Kirium Flood is offered with 2700K and 3000K colour temperatures and delivers 0% upward light when mounted horizontally

Exceptional Performance

Configurable from 24 to 64 high power LEDs capable of delivering up to 31,000lm, with luminaire efficacy of up to 214lm/W

Flat Glass Glazing

Ultra-clear, toughened glass provides optimal performance while offering protection against impacts and water ingress



Dedicated Optics

Kirium Flood is offered with a selection of Diamond+ optics for precise beam control, supporting a range of lighting applications



Tilt Adjustment

Kirium Flood features 2.5° tilt adjustment with an easy-to-use locking mechanism to ensure consistent, accurate illumination

Durable Construction

Kirium Flood is manufactured from die-cast aluminium with a polyester powder coat for maximum protection

Breather Valve

An anti-condensation valve regulates internal pressure and prevents moisture build-up, to help protect internal components

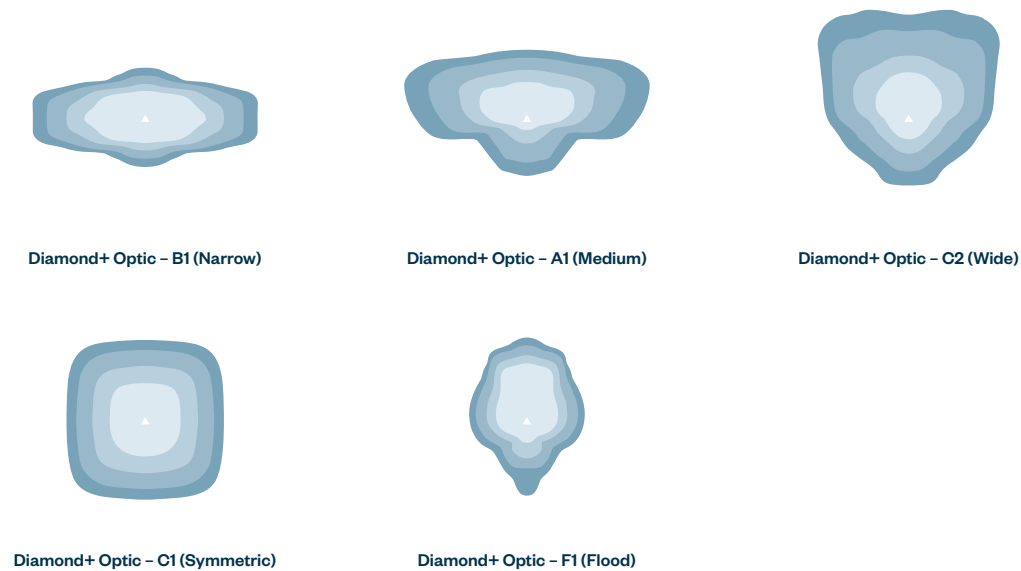
Support Tag

QR-based system to simplify the luminaire maintenance process, ensures issues are resolved quickly by our dedicated support team



Light distributions

Suitable for a wide range of applications, Kirium Flood's high performance optics are available in a choice of five optimised distributions for extremely efficient, precision lighting control.



Mounting options

Kirium Flood can be mounted several ways to support a range of lighting applications. This includes wall mounted for perimeter illumination, surface mounted for façade lighting, or column mounted for area lighting.



Lighting controls

From building façades to car parks and perimeter zones, floodlighting needs to respond to how a space is used. Whether for energy saving, compliance or convenience, Kirium Flood offers smart, scalable solutions that adapt to your scheme. Offered with internal CMS and compatible with NEMA and Zhaga interfaces, it's ready for today's standards and tomorrow's networks.



Local Network Solutions

A cost-effective system that can be adapted on-site without specialised equipment – enables further energy saving optimisation and flexibility.

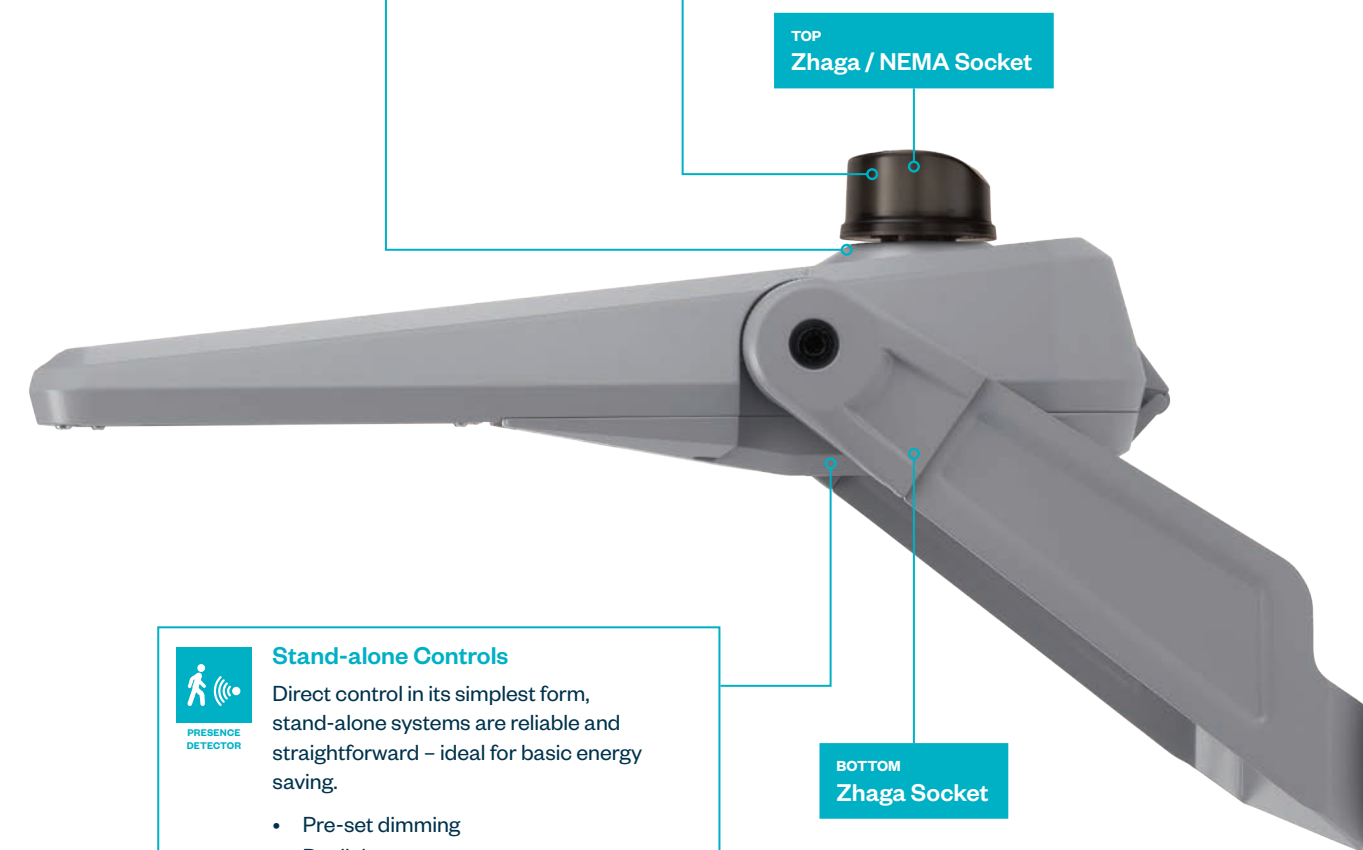
- Bluetooth wireless connectivity
- Individual or group scene control
- Controlled via smart device



Wide Network Solutions

A fully scalable solution using sensors and devices for real-time control – supports asset management and monitoring through connected CMS network.

- External node connectivity
- Central Management System (CMS)
- Intelligent lighting control



Stand-alone Controls

Direct control in its simplest form, stand-alone systems are reliable and straightforward – ideal for basic energy saving.

- Pre-set dimming
- Daylight sensors
- Motion detectors

Sabre lumen packages and wattages matrix

Model	No of LEDs	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	
Kirium Flood 2	24	Im	3,570	4,219	4,848	5,457	6,047	6,618	7,169	7,701	8,214	8,707	9,181	9,637	10,073	10,491	10,890	11,270	11,631
		W	19	21	24	27	30	33	36	40	43	46	50	53	57	60	64	67	71
	32	Im	4,766	5,632	6,472	7,286	8,074	8,835	9,571	10,281	10,966	11,624	12,258	12,866	13,448	14,006	14,538	15,045	15,528
		W	24	28	31	35	39	43	47	51	56	60	65	69	74	78	83	87	92
Kirium Flood 3	48	Im	7,201	8,510	9,779	11,009	12,199	13,350	14,462	15,535	16,569	17,565	18,522	19,440	20,320	21,163	21,967	22,734	23,463
		W	36	41	46	52	57	63	69	76	82	89	96	102	109	116	122	129	135
	64	Im	9,510	11,238	12,915	14,539	16,110	17,630	19,099	20,516	21,881	23,196	24,459	25,672	26,835	27,947	29,010	30,022	30,985
		W	49	55	62	69	77	85	93	102	111	120	129	138	147	156	165	174	182

Lumen data based on 4000K with B1 optic and no Light Output Reduction (LOR) factor applied. Data provided as indication of performance. Please refer to photometric files for individual optic results.

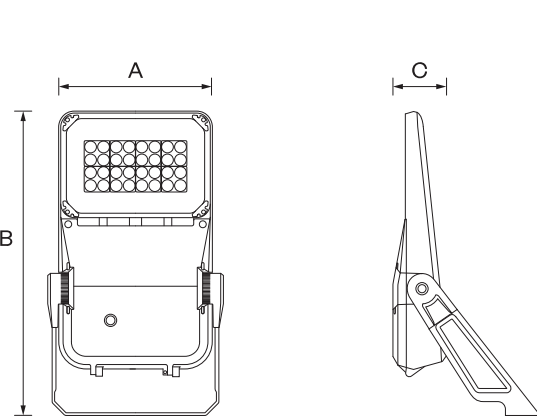
Luminaire dimensions

	Dimensions (mm)			Weight (kg)	Windage (m²)
	A	B	C		
Kirium Flood 2	308	610	110	10.1	0.080m²
Kirium Flood 3	308	711	110	11.9	0.093m²

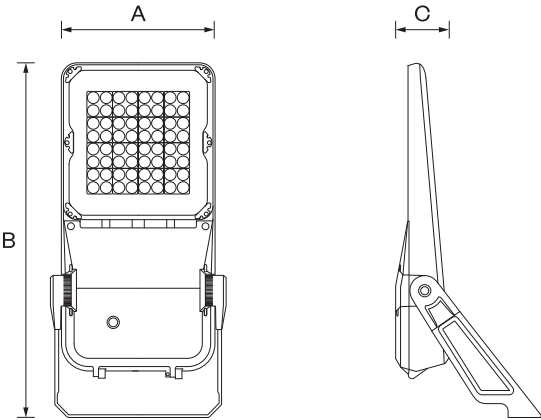
CCT details

	Light Output Reduction Factor	S/P Ratio
4000K	1.00	1.5
3000K	0.96	1.4
2700K	0.93	1.3

Kirium Flood 2



Kirium Flood 3



Product codes

Product codes		Code	Example
Model			
Kirium Flood 2		KF2	KF3
	Kirium Flood 3	KF3	
Mounting			
Stirrup bracket		SBR	SBR
Ø76mm direct post		DP76	
Colour			
RAL 7046 Mid grey matte finish		CFMT	CFMT
Other RAL colour (on request)		RAL [specify]	
Paint Type (optional)			
Marine-grade C4 coating		MG4	-
Light Engine			
24 LED	-	24L	32L
32 LED	-	32L	
-	48 LED	48L	
-	64 LED	64L	
Colour Temperature			
2700K		27K	SBR
3000K		3K	
4000K		4K	
Distribution			
Diamond+ A Optic		A1	F1
Diamond+ B Optic		B1	
Diamond+ C Optic		C1	
Diamond+ C Optic		C2	
Diamond+ F Optic		F1	
Drive Current			
Drive currents from 250mA to 1050mA in 50mA increments Insert drive current value (e.g. 700mA - 700)		250 / 300 / 350 400 / 450 / 500 550 / 600 / 650 700 / 750 / 800 850 / 900 / 950 1000 / 1050	700
Connectivity & Control (optional)			
Photocell 35 lux		PH3	PH3
Photocell 35 lux (top) with 4-pin Zhaga socket (bottom)		PH3Z	
Photocell 35 lux with miniature presence detector		PH3PDM	
7-pin NEMA socket		N7	
7-pin NEMA socket (top) with 4-pin Zhaga socket (bottom)		N7Z	
4-pin Zhaga socket (top)		Z4	
4-pin Zhaga socket (bottom)		Z4A	
4-pin Zhaga socket (top and bottom)		Z4B	
Integral CMS - Urban Control (AC node with puck antenna)		UAC	
Integral CMS - Urban Control (DC node with puck antenna)		UDC	
Integral CMS - Telensa		ITE	
Integral CMS - Mayflower		IMA	
Miniature presence detector		PDM	
DALI (optional)			
DALI enabled and pre-wired driver		DALI	-
Emergency (optional)			
3-hour emergency		EM	-
Example Code: KF2 SBR CFMT 32L 3K F1 700 PH3			

Key Features

Range of performance floodlights offered in two sizes to suit a range of applications from façades to perimeter lighting

Choice of mounting options, including stirrup bracket for wall and surface mounting plus column post top option

Extremely reliable luminaire with an outstanding service life of over 100,000 hours

Multiple control options, including integral CMS, plus NEMA and Zhaga socket options

Dark Sky friendly with warmer colour temperatures available and 0% ULOR (at 0° inclination)

Options

Kirium Flood 2: 24 / 32 LEDs

Kirium Flood 3: 48 / 64 LEDs

Optical Control

Diamond+ A Optic: B1 (Narrow)

Diamond+ B Optic: A1 (Medium)

Diamond+ C Optic: C2 (Wide)

Diamond+ C Optic: C1 (Symmetric)

Diamond+ F Optic: F1 (Flood)

Lifetime

> 100,000 hours L90

Total Luminaire Lumens

Kirium Flood 2: 3,500 - 15,500 lm

Kirium Flood 3: 7,200 - 31,000 lm

Colour Temperature

2700K / 3000K / 4000K

Colour Rendering Index

70Ra

Luminaire Efficacy

Up to 214lm/W

Drive Current

250mA - 1050mA (in 50mA increments)

Mounting

Stirrup bracket (standard)

Ø76mm Post top

Tilt / Inclination

2.5° increments

Control

CLO: Constant Light Output enabled - for energy savings and dependable light throughout the lifetime of the luminaire

Switch: On/off via photocell

Dim: Factory set pre-programmed dimming profiles

CMS: Compatible with all available CMS systems

Smart City Ready: Supports Smart City equipment and Zhaga compliant connectors

Colours

RAL 7046 Mid grey

(Other RAL colours available on request)

Materials

Body: High pressure die-cast aluminium

Glazing: Toughened glass

Seals: Silicone

Finish: Polyester powder coat / Marine-grade coating

Accessories

Front and rear glare shields available

Installation & Maintenance

Includes SupportTag® for easy luminaire maintenance

Operational temperature range: -20°C to +40°C

Surge protection: 8kV



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DW Windsor is a Carbon Neutral company

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