DW Windsor

Lighting for Rail

Lighting that supports safer, more sustainable journeys



Lighting the way forward

At DW Windsor, we're committed to supporting safer, more efficient rail environments through high-quality illumination, intelligent controls and considered design. With extensive experience across the sector, we understand the important role lighting plays in supporting passenger safety, security and experience, while helping operators meet the demands of a modern railway.

Our dedicated rail team works closely with project teams, designers and asset operators to develop practical, innovative solutions for a wide range of applications. Within this brochure, you'll find solutions for stations, platforms, footbridges and wider rail infrastructure, supported by expert technical and specification guidance.

Contents

Lighting with purpose	3
Why DW Windsor	5
Lighting applications	7
Lighting products	9
About DW Windsor	54

Lighting with purpose

Lighting plays a vital role across every part of the rail environment. From car parks and concourses to footbridges and platforms, each area brings different operational, safety and compliance requirements. A considered approach helps balance passenger needs, energy efficiency, environmental impact and long-term performance across the network.

Saving energy

Efficient LED luminaires and intelligent controls can significantly reduce energy use across rail assets. Presence detection, dimming profiles and connected systems help minimise consumption while maintaining required lighting levels.

Improving safety

Well-designed lighting supports safer, more secure journeys for passengers, staff and drivers. Careful control of light levels and glare can improve visibility, support CCTV and help ensure compliance.

Reducing impact

Responsible lighting design can reduce more than energy use alone. Precise optical control, appropriate light levels and targeted illumination help limit wasted light, lower carbon emissions and reduce environmental impact.

Working smarter

Intelligent controls and connected technology can make rail lighting easier to manage and maintain. Remote monitoring, adaptive controls and alerts can help identify issues quickly, support compliance and improve efficiency.



Derby Railway Station
Product: Milano



Newport Station Footbridge
Product: Garda Handrail

Why DW Windsor

With decades of experience in exterior lighting and an established presence across the rail sector, DW Windsor combines quality products, technical expertise and intelligent controls to support safer, more efficient railway environments. From specification and design through to manufacture and ongoing support, we work closely with project teams to deliver reliable solutions built around the demands of rail.

1

Made in Britain

Our UK-based design and manufacturing capability gives us greater control over quality, performance and delivery. It also allows us to respond quickly to project requirements and develop solutions around specific rail applications.

2

Designed to perform

We combine new technology with practical design to solve challenges. From smart controls and solar to low-impact lighting, innovation improves performance and efficiency, reducing energy use, operating costs and environmental impact.

3

Defined by quality

Quality is built into every stage of our design and manufacturing process. Supported by ISO-certified systems, rigorous testing and robust construction, our products are developed for reliable, long-term performance.

4

Built for Rail

With extensive experience across the rail sector, we understand the technical, operational and compliance requirements of different environments. Our dedicated team supports projects from specification through to delivery.

Lighting applications



Station buildings

Lighting around station buildings should support comfort, visibility and safe movement while complementing the architecture. Well-designed solutions can improve wayfinding, support passenger confidence and provide efficient illumination across entrances, concourses and operational spaces.



Platforms

Platform lighting must support passenger safety, driver visibility and CCTV performance without introducing excessive glare. Careful optical control and appropriate light levels help create a clear, comfortable environment while meeting the operational demands of the railway.



Footpaths & walkways

Footpaths and walkways require consistent, well-controlled illumination to support safe and confident movement after dark. Appropriate light levels can improve visibility, accessibility and wayfinding while reducing glare and unnecessary impact on the surrounding environment.



Bridges & overpasses

Bridges and overpasses require robust lighting that supports safe movement across stairs, ramps and elevated routes. Controlled, low-glare illumination can improve visibility and accessibility while integrating discreetly with the surrounding structure and environment.



Car parks

Car park lighting should provide clear visibility for pedestrians and vehicles while supporting wayfinding and safe movement after dark. Efficient luminaires, precise optical control and intelligent controls can help reduce unnecessary energy use, lower running costs and minimise spill light beyond the site.



Roads

Road lighting supports safe vehicle and pedestrian movement around stations, depots and wider rail infrastructure. Precise optical control and appropriate light levels can improve visibility and uniformity while reducing glare, wasted light, unnecessary energy consumption and impact on surrounding areas.



Points & junctions

Points and junctions require reliable, targeted lighting to support inspection, maintenance and safe railway operations. High-performance luminaires can provide the visibility needed across complex track areas, helping teams work effectively while controlling glare, reducing wasted light and energy use.



Sidings & yards

Sidings and yards often require high-performance lighting across large operational areas. Careful optical control can provide effective visibility for maintenance and overnight working while reducing glare, unnecessary energy use and spill light beyond the railway boundary.



PRODUCT ICON KEY

IK XX — Impact protection rating	European Certification mark	Diamond+ optics	Vandal-resistant luminaire
IP XX — Ingress protection rating	Class I appliance mark	Solar-powered luminaire	Drive-over up to 50km/h
CE — European Conformity mark	Class III appliance mark	Glass-reinforced plastic option	TW — Tunable white option available
UK CA — UK Conformity Assessed mark	DarkSky Approved luminaire	Emergency option available	RG BW — Colour-changing option available

Column luminaires

Our column-mounted range offers solutions for a wide variety of rail environments, from platforms and car parks to access roads and surrounding public spaces. Combining functional, heritage, contemporary and solar designs, the range offers high-performance optics, flexible controls and responsible lighting options to suit both modern and traditional settings.



Crediton Station
Product: Kirium Pro

Kirium® Pro



PLATFORMS | CAR PARKS | ROADS | FOOTPATHS | SIDINGS & YARDS | CROSSINGS

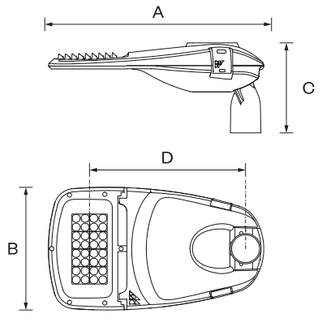
IP 66 | IK 08

Technical details

Lumen output	500 - 63,200 lm
Power	4 - 362 W
LED quantity	4 / 8 / 16 / 24 / 32 / 48 / 64 / 80 / 96 / 128
CCT	2700K / 3000K / 4000K
CRI	> 70
Distributions	A1 / A2 / A3 / A5 / A6 / A7 B1 / B2 / B3 C1 / C2 / C6 ZL / ZR / ZF
Power supply	220 - 240VAC; 50/60Hz
Dimming	Pre-programmed / DALI
Control	Photocell / PIR sensor Bluetooth / CMS
Interface	4-pin Zhaga (top / bottom) 7-pin NEMA (top)
Materials	Aluminium body Silicone gaskets Toughened glass glazing
Finish	Polyester powder coat
Mounting	Ø60mm / Ø76mm direct post Ø42mm - Ø60mm side entry

Dimensions

Dimensions mm	A	B	C	D	kg	m²
Kirium Pro Mini	390	110	227	255	4.8	0.032
Kirium Pro 1	610	140	350	440	8.5	0.054
Kirium Pro 2	720	140	350	500	9.8	0.059
Kirium Pro 3	1010	167	415	685	17.1	0.094



Colour options:

BLACK RAL 9005 | MID GREY RAL 7046 | LIGHT GREY RAL 7035

Scan to view page online:

Kirium® Pro S



PLATFORMS | CAR PARKS | ROADS | FOOTPATHS | SIDINGS & YARDS | CROSSINGS

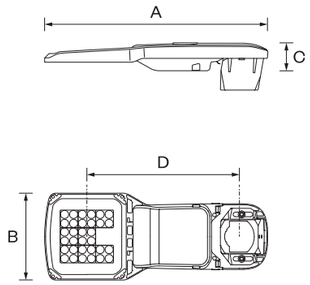
IP 66 | IK 08

Technical details

Lumen output	500 - 55,000 lm
Power	44 - 291 W
LED quantity	4 / 8 / 16 / 24 / 32 / 48 / 64 / 168
CCT	2700K / 3000K / 4000K
CRI	> 70
Distributions	A1 / A2 / A3 / A5 / A6 / A7 B1 / B2 / B3 C1 / C2 / C6 ZL / ZR / ZF
Power supply	220 - 240VAC; 50/60Hz
Dimming	Pre-programmed / DALI
Control	Photocell / PIR sensor Bluetooth / CMS
Interface	4-pin Zhaga (top / bottom) 7-pin NEMA (top)
Materials	Aluminium body Silicone gaskets Toughened glass glazing
Finish	Polyester powder coat
Mounting	Ø60mm - Ø76mm direct post Ø34mm - Ø60mm side entry

Dimensions

Dimensions mm	A	B	C	D	kg	m²
Kirium Pro S Mini	532	200	80	378	4.8	0.039
Kirium Pro S1	632	246	80	432	5.5	0.053
Kirium Pro S2	704	320	80	478	7.2	0.059
Kirium Pro S4	906	372	80	570	14.4	0.107



Colour options:

BLACK RAL 9005 | MID GREY RAL 7046 | LIGHT GREY RAL 7035

Scan to view page online:

Kirium® One



CAR PARKS | ROADS | FOOTPATHS

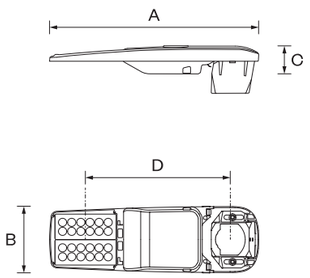
IP 66 | IK 08 | UK CA | CE

Technical details

Lumen output	1,700 - 11,000 lm
Power	9 - 72 W
LED quantity	12 / 24
CCT	2700K / 3000K / 4000K
CRI	> 70
Distributions	NR1 / NR2 / MR1 / MR2 / WR1 / WR2 TR / SA / AA ZL / ZR
Power supply	220 - 240VAC; 50/60Hz
Dimming	Pre-programmed / DALI
Control	Photocell / PIR sensor Bluetooth / CMS
Interface	4-pin Zhaga (top / bottom) 7-pin NEMA (top)
Materials	Aluminium body Silicone gaskets Toughened glass glazing
Finish	Polyester powder coat
Mounting	Ø60mm - Ø76mm direct post Ø34mm - Ø60mm side entry

Dimensions

Dimensions mm	A	B	C	D	kg	m²
Kirium One	589	188	80	410	4.2	0.026



Colour options:

BLACK RAL 9005 | MID GREY RAL 7046 | LIGHT GREY RAL 7035

Scan to view page online:

Daytona®



PLATFORMS | CAR PARKS | FOOTPATHS

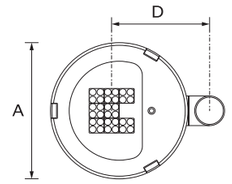
IP 66 | IK 10 | UK CA | CE | TW

Technical details

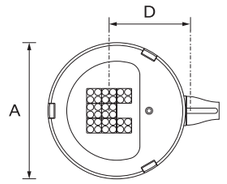
Lumen output	1,000 - 25,700 lm
Power	6 - 187 W
LED quantity	8 / 16 / 24 / 32 / 48 / 64
CCT	2700K / 3000K / 4000K / Tunable White
CRI	> 70
Distributions	A1 / A2 / A3 / A5 / A6 / A7 B1 / B2 / B3 C1 / C2 / C6 ZL / ZR / ZF
Power supply	220 - 240VAC; 50/60Hz
Dimming	Pre-programmed / DALI
Control	Photocell / PIR sensor Bluetooth / CMS
Interface	4-pin Zhaga (top / bottom) 7-pin NEMA (top)
Materials	Aluminium body Silicone gaskets Toughened glass[1] / Polycarbonate glazing
Finish	Polyester powder coat
Mounting	Ø60mm - Ø76mm direct post Ø34mm - Ø42mm / Ø60 side entry

Dimensions

Dimensions mm	A	B	C	D	kg	m²
Daytona 450 - Direct post	480	580	170	350	8.7	0.043
Daytona 450 - Side entry	480	570	90	305	8.7	0.043
Daytona 500 - Direct post	580	700	190	430	13.5	0.065
Daytona 500 - Side entry	580	685	110	430	13.5	0.065



Direct post



Side entry

Colour options:

BLACK RAL 9005 | MID GREY RAL 7046 | LIGHT GREY RAL 7035

[1] Toughened glass glazing rated to IK08

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Sierra Solaflex®



CAR PARKS | FOOTPATHS | SIDINGS & YARDS

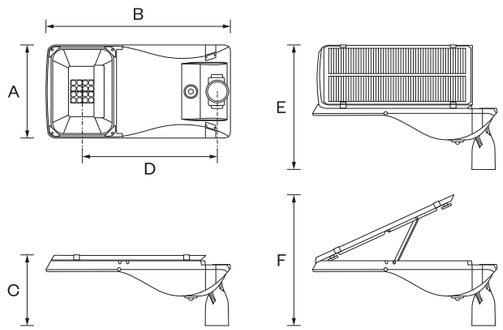
IP 66 | IK 08 | UK CA | CE

Technical details

Lumen output	2,500 - 7,700 lm
Power	12 - 41 W
LED quantity	16
CCT	2200K / 2700K / 3000K / 4000K
CRI	> 70
Distributions	A1 / A2 / A3 / A5 / A6 / A7 B1 / B2 / B3 C1 / C2 / C6
Battery size	576 Wh
Panel size	50 W (18V)
Dimming	Pre-programmed
Control	Photocell[1] / PIR sensor Bluetooth[1] / CMS[2]
Interface	4-pin Zhaga (top / bottom)
Materials	Aluminium body Silicone gaskets Toughened glass glazing Lithium iron phosphate battery HPBC monocrystalline panel
Finish	Polyester powder coat
Mounting	Ø60mm - Ø76mm direct post Ø60mm side entry

Dimensions

Dimensions mm	A	B	C	D	E	F	kg	m²
Sierra Solaflex	410	807	309	593	549	720	20.0	0.600



Colour options:

BLACK RAL 9005 | MID GREY RAL 7046

Scan to view page online:

[1] Photocell, Bluetooth and CMS offered with Sierra Solaflex Plus version only
[2] CMS available through Urban Control only

Sierra Solaflex® Hybrid



PLATFORMS | CAR PARKS | FOOTPATHS | SIDINGS & YARDS

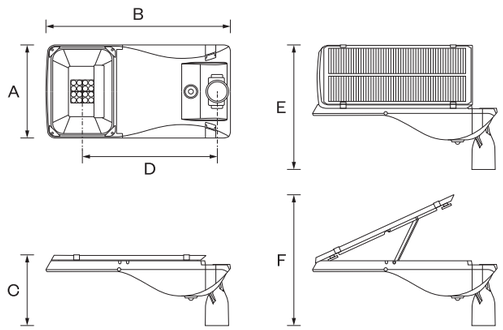
IP 66 | IK 08 | UK CA | CE

Technical details

Lumen output	2,500 - 14,000 lm
Power	12 - 78 W
LED quantity	16 / 24
CCT	2200K / 2700K / 3000K / 4000K
CRI	> 70
Distributions	A1 / A2 / A3 / A5 / A6 / A7 B1 / B2 / B3 C1 / C2 / C6
Power supply	220 - 240VAC; 50/60Hz
Battery size	576 Wh
Panel size	50 W (18V)
Dimming	Pre-programmed
Control	PIR sensor
Interface	4-pin Zhaga (top / bottom)
Materials	Aluminium body Silicone gaskets Toughened glass glazing Lithium iron phosphate battery HPBC monocrystalline panel
Finish	Polyester powder coat
Mounting	Ø60mm - Ø76mm direct post Ø60mm side entry

Dimensions

Dimensions mm	A	B	C	D	E	F	kg	m²
Sierra Solaflex Hybrid	410	807	309	593	549	720	20.0	0.600



Colour options:

BLACK RAL 9005 | MID GREY RAL 7046

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Milano 450



PLATFORMS | CAR PARKS | FOOTPATHS

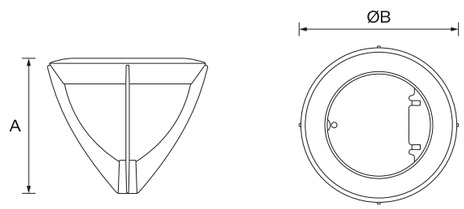
IP 66 | IK 09 | UK CA | CE

Technical details

Lumen output	2,600 - 14,200 lm
Power	18 - 113 W
LED quantity	12 / 24
CCT	2700K / 3000K / 4000K
CRI	> 70
Distributions	UA1 / UB1 / UC3 / UD1
Power supply	220 - 240VAC; 50/60Hz
Dimming	Pre-programmed / DALI
Control	Photocell Bluetooth / CMS
Interface	4-pin Zhaga (top) 7-pin NEMA (top)
Materials	Aluminium body Silicone gaskets Toughened glass glazing
Finish	Polyester powder coat
Mounting	Ø60mm / Ø76mm post top

Dimensions

Dimensions mm	A	B	kg	m²
Milano 450	560	650	17.5	0.130



Colour options:

BLACK **RAL 9005** | DARK METALLIC GREY **DB 703** | METALLIC GREY **RAL 9007**

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Sephora 450



PLATFORMS | CAR PARKS | FOOTPATHS

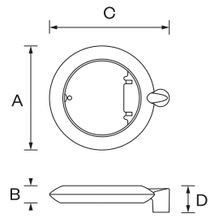
IP 66 | IK 09 | UK CA | CE

Technical details

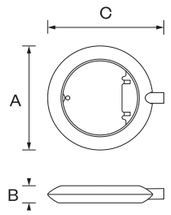
Lumen output	3,000 - 16,300 lm
Power	18 - 113 W
LED quantity	12 / 24
CCT	2700K / 3000K / 4000K
CRI	> 70
Distributions	UA1 / UB1 / UC3 / UD1
Power supply	220 - 240VAC; 50/60Hz
Dimming	Pre-programmed / DALI
Control	Photocell Bluetooth / CMS
Interface	4-pin Zhaga (top) 7-pin NEMA (top)
Materials	Aluminium body Silicone gaskets Toughened glass glazing
Finish	Polyester powder coat
Mounting	Ø76mm post top Ø76mm direct post Ø42mm side entry

Dimensions

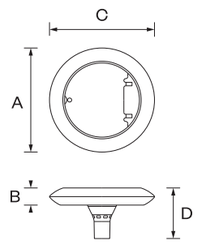
Dimensions mm	A	B	C	D	kg	m²
Sephora 450 - Direct post	621	106	709	163	21.5	0.081
Sephora 450 - Side entry	621	106	688	-	21.0	0.081
Sephora 450 - Post top	621	106	621	306	23.0	0.081



Direct post



Side entry



Post top

Colour options:

BLACK **RAL 9005** | DARK METALLIC GREY **DB 703** | METALLIC GREY **RAL 9007**

Scan to view page online:

Windsor



BUILDINGS | PLATFORMS | CAR PARKS | ROADS | FOOTPATHS

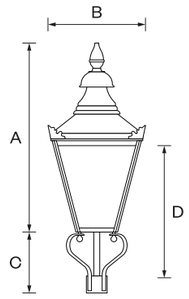
IP 66 | IK 08 | UK CA | CE | TW

Technical details

Lumen output	900 - 21,000 lm
Power	5 - 187 W
LED quantity	8 / 16 / 24 / 32 / 48 / 64
CCT	2700K / 3000K / 4000K
CRI	> 70
Distributions	A1 / A2 / A3 / A5 / A6 B1 / B2 / B3 C1 / C2 / C6 ZL / ZR / ZF
Power supply	220 - 240VAC; 50/60Hz
Dimming	Pre-programmed / DALI
Control	Photocell Bluetooth / CMS
Interface	4-pin Zhaga (top)
Materials	Copper body Silicone gaskets Polycarbonate glazing
Finish	Polyester powder coat Polished / Natural / Aged copper
Mounting	Ø76mm traditional frog Ø76mm cast base[1]

Dimensions

Dimensions mm	A	B	C	D	kg	m²
Windsor Avenue	745	390	192	470	8.5	0.349
Windsor Street	833	440	264	600	10.5	0.440
Windsor Boulevard	1005	495	264	670	12.5	0.597



Colour options:

BLACK RAL 9005 | ANTHRACITE GREY RAL 7016 | MOSS GREEN RAL 6006 | COPPER Polished | COPPER Natural | COPPER Aged

Scan to view page online:

[1] Cast base option available on Windsor Street only

Windsor DS



BUILDINGS | PLATFORMS | CAR PARKS | ROADS | FOOTPATHS

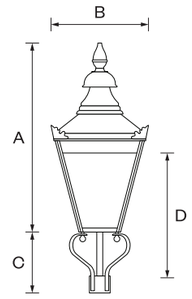
IP 66 | IK 08 | UK CA | CE

Technical details

Lumen output	700 - 9,000 lm
Power	6 - 80 W
LED quantity	8 / 16 / 24 / 32
CCT	2700K / 3000K
CRI	> 70
Distributions	A1 / A2 / A3 / A5 / A6 B1 / B2 / B3 C1 / C2 / C6 ZL / ZR / ZF
Power supply	220 - 240VAC; 50/60Hz
Dimming	Pre-programmed / DALI
Control	Photocell Bluetooth / CMS
Interface	4-pin Zhaga (top)
Materials	Copper body Silicone gaskets Toughened glass glazing
Finish	Polyester powder coat Polished / Natural / Aged copper
Mounting	Ø76mm traditional frog Ø76mm cast base

Dimensions

Dimensions mm	A	B	C	D	kg	m²
Windsor DS	833	440	264	560	10.0	0.440



Colour options:

BLACK RAL 9005 | ANTHRACITE GREY RAL 7016 | MOSS GREEN RAL 6006 | COPPER Polished | COPPER Natural | COPPER Aged

Scan to view page online:

Strand



BUILDINGS | PLATFORMS | CAR PARKS | ROADS | FOOTPATHS

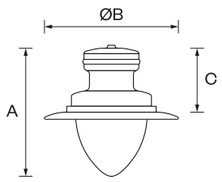
IP 65 | IK 08 | UK CA | CE | TW

Technical details

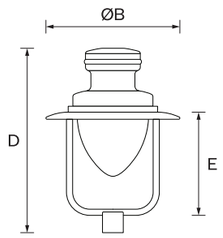
Lumen output	1,200 - 22,500 lm
Power	7 - 159 W
LED quantity	8 / 16 / 24 / 32 / 48 / 64
CCT	2700K / 3000K / 4000K
CRI	> 70
Distributions	A1 / A2 / A3 / A5 / A6 B1 / B2 / B3 C1 / C2 / C6 ZL / ZR / ZF
Power supply	220 - 240VAC; 50/60Hz
Dimming	Pre-programmed / DALI
Control	Photocell Bluetooth[2] / CMS[2]
Interface	4-pin Zhaga (top)[2]
Materials	Aluminium body Silicone gaskets Polycarbonate glazing
Finish	Polyester powder coat
Mounting	Pendant Uni-Fit Ø76mm U bracket[3]

Dimensions

Dimensions mm	A	B	C	D	E	kg	m²
Strand C	498	480	245	680	360	5.5[1]	0.287[1]
Strand B	575	585	290	824	450	8.5[1]	0.404[1]
Strand A	643	670	330	-	-	11.5	0.517



Pendant



U Bracket

Colour options:

BLACK RAL 9005 | ANTHRACITE GREY RAL 7016 | MOSS GREEN RAL 6006

Scan to view page online:

[1] Weight and windage values exclude bracket
[2] Not available on Strand C model [3] Not available on Strand A model

Strand DS



BUILDINGS | PLATFORMS | CAR PARKS | ROADS | FOOTPATHS

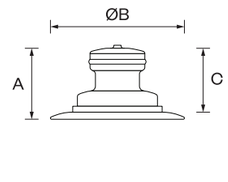
IP 65 | IK 08 | UK CA | CE

Technical details

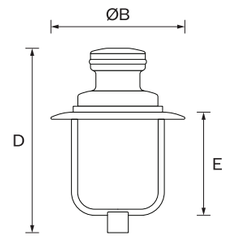
Lumen output	1,000 - 11,600 lm
Power	6 - 107 W
LED quantity	8 / 16 / 24 / 32
CCT	2700K / 3000K
CRI	> 70
Distributions	A1 / A2 / A3 / A5 / A6 B1 / B2 / B3 C1 / C2 / C6 ZL / ZR / ZF
Power supply	220 - 240VAC; 50/60Hz
Dimming	Pre-programmed / DALI
Control	Photocell Bluetooth / CMS
Interface	4-pin Zhaga (top)
Materials	Aluminium body Silicone gaskets Toughened glass glazing
Finish	Polyester powder coat
Mounting	Pendant Uni-Fit Ø76mm U bracket

Dimensions

Dimensions mm	A	B	C	D	E	kg	m²
Strand DS	315	585	290	824	450	5.7	0.097



Pendant



U Bracket

Colour options:

BLACK RAL 9005 | ANTHRACITE GREY RAL 7016 | MOSS GREEN RAL 6006

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Ely



BUILDINGS | PLATFORMS | CAR PARKS | ROADS | FOOTPATHS

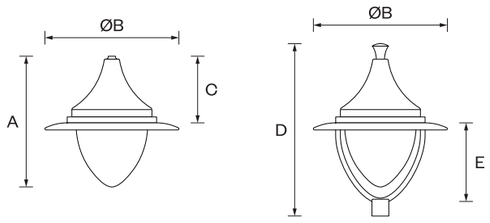
IP 65 | IK 08 | UKCA | CE | TW

Technical details

Lumen output	1,200 - 20,700 lm
Power	7 - 141 W
LED quantity	8 / 16 / 24 / 32 / 48 / 64
CCT	2700K / 3000K / 4000K
CRI	> 70
Distributions	A1 / A2 / A3 / A5 / A6 B1 / B2 / B3 C1 / C2 / C6 ZL / ZR / ZF
Power supply	220 - 240VAC; 50/60Hz
Dimming	Pre-programmed / DALI
Control	Photocell Bluetooth[2] / CMS[2]
Interface	4-pin Zhaga (top)
Materials	Aluminium body Silicone gaskets Polycarbonate glazing
Finish	Polyester powder coat
Mounting	Pendant Uni-Fit Ø76mm U bracket[3]

Dimensions

Dimensions mm	A	B	C	D	E	kg	m^2
Ely C	489	480	235	743	360	5.5[1]	0.282[1]
Ely B	575	585	290	809	360	8.5[1]	0.404[1]
Ely A	638	670	325	-	-	11.5	0.513



Pendant U Bracket

Colour options:

BLACK RAL 9005 | ANTHRACITE GREY RAL 7016 | MOSS GREEN RAL 6006

Scan to view page online:

[1] Weight and windage values exclude bracket
[2] Not available on Ely C model [3] Not available on Ely S model

Ely DS



BUILDINGS | PLATFORMS | CAR PARKS | ROADS | FOOTPATHS

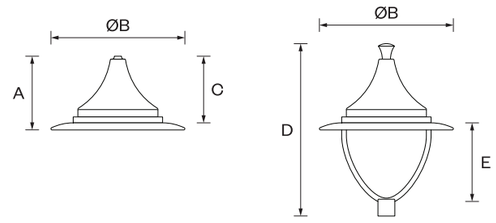
IP 65 | IK 08 | UKCA | CE

Technical details

Lumen output	500 - 11,600 lm
Power	6 - 107 W
LED quantity	8 / 16 / 24 / 32
CCT	2700K / 3000K
CRI	> 70
Distributions	A1 / A2 / A3 / A5 / A6 B1 / B2 / B3 C1 / C2 / C6 ZL / ZR / ZF
Power supply	220 - 240VAC; 50/60Hz
Dimming	Pre-programmed / DALI
Control	Photocell Bluetooth / CMS
Interface	4-pin Zhaga (top)
Materials	Aluminium body Silicone gaskets Toughened glass glazing
Finish	Polyester powder coat
Mounting	Pendant Uni-Fit Ø76mm U bracket

Dimensions

Dimensions mm	A	B	C	D	E	kg	m^2
Ely DS	315	585	290	824	450	5.7	0.097



Pendant U Bracket

Colour options:

BLACK RAL 9005 | ANTHRACITE GREY RAL 7016 | MOSS GREEN RAL 6006

Scan to view page online:

Garda system

Our Garda system offers a versatile range of discreet, low-impact lighting solutions for handrails, walkways, footbridges and cycle parking. From illuminated handrails and cycle racks to wall and ceiling-mounted options, the range integrates light into the architecture, helping improve visibility and safety while minimising visual clutter and environmental impact.



Newport Station Footbridge
Product: Garda Handrail

Garda®



BUILDINGS | FOOTBRIDGES | WALKWAYS

IP 66 | IK 10 | UK CA | CE | RG BW

Technical details

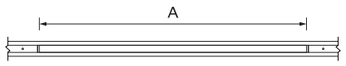
Lumen output	150 - 2,200 lm[1]
Power	2 - 25 W (per module)[1]
LED modules	Garda Classic Garda Pro Garda Comfort
CCT	2700K[2] / 3000K / 4000K / RGBW[2]
CRI	70 / 80 / 90[2]
Distributions	Symmetric[2] Asymmetric[2]
Power supply	24VDC
Dimming	DALI / 1-10V
Control	DMX[3]
Interface	-
Materials	Stainless steel / Aluminium body Polycarbonate glazing
Finish	Satin brushed stainless steel Polyester powder coat
Mounting	Wall mounted Glass mounted Stanchion root mounted Stanchion flange mounted

Dimensions

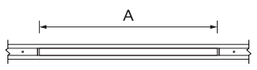
Dimensions mm	A	B	C
Garda 1200 module	1200	50	24
Garda 900 module	900	50	24
Garda 600 module	600	50	24
Garda 300 module	300	50	24
Garda 100 module	120	50	24



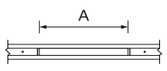
Garda 1200 module



Garda 900 module



Garda 600 module



Garda 300 module



Garda 100 module

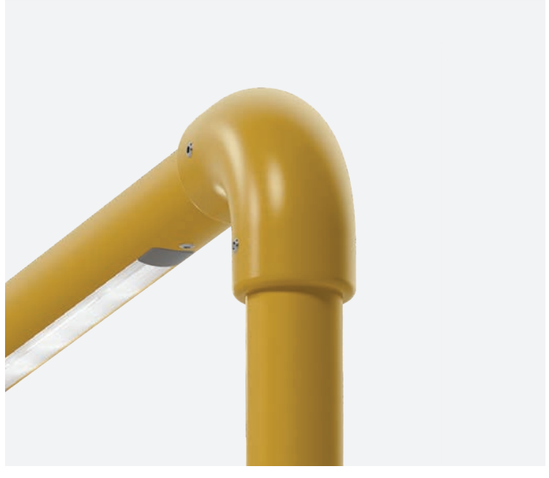
Scan to view page online:

Colour options:

BRUSHED STAINLESS STEEL | ANY RAL COLOUR

[1] Values based on Garda Pro module. For alternative modules, refer to website
[2] Module dependent [3] DMX control via DALI controller

Garda® GRP



BUILDINGS | FOOTBRIDGES | WALKWAYS

IP 66 | IK 10 | UK CA | CE

Technical details

Lumen output	150 - 550 lm[1]
Power	2 - 6 W (per module)[1]
LED modules	Garda Classic Garda Pro Garda Comfort
CCT	2700K[2] / 3000K / 4000K
CRI	70 / 80 / 90[2]
Distributions	Symmetric[2] Asymmetric[2]
Power supply	24VDC
Dimming	DALI / 1-10V
Control	-
Interface	-
Materials	Glass-reinforced plastic body Polycarbonate glazing
Finish	-
Mounting	Wall mounted Stanchion flange mounted

Dimensions

Dimensions mm	A	B	C
Garda GRP 300 module	300	50	24
Garda GRP 100 module	120	50	24



Garda GRP 300 module



Garda GRP 100 module

Scan to view page online:

Colour options:

SIGNAL YELLOW RAL 1003

[1] Values based on Garda Pro module. For alternative modules, refer to website
[2] Module dependent

Garda AntiClimb®



FOOTBRIDGES | OVERPASSES

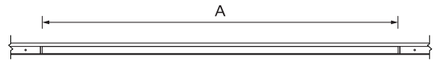
IP 66 | IK 10 | UK CA | CE | RG BW

Technical details

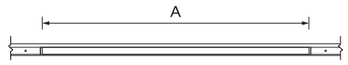
Lumen output	150 - 2,200 lm[1]
Power	2 - 25 W (per module)[1]
LED modules	Garda Classic Garda Pro
CCT	2700K[2] / 3000K / 4000K
CRI	70 / 80[2]
Distributions	Asymmetric
Power supply	24VDC
Dimming	DALI / 1-10V
Control	-
Interface	-
Materials	Aluminium body Polycarbonate glazing
Finish	Polyester powder coat
Mounting	Wall mounted
Cable management	Cable carrying version available[3]

Dimensions

Dimensions mm	A	B	C	D
Garda AntiClimb 1200 module	1200	42	24	91
Garda AntiClimb 900 module	900	42	24	91
Garda AntiClimb 600 module	600	42	24	91
Garda AntiClimb 300 module	300	42	24	91
Garda AntiClimb 100 module	120	42	24	91



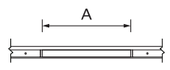
Garda AntiClimb 1200 module



Garda AntiClimb 900 module



Garda AntiClimb 600 module



Garda AntiClimb 300 module



Garda AntiClimb 100 module

Scan to view page online:

Colour options:

DARK METALLIC GREY **DB 703** | ANY **RAL COLOUR**

[1] Values based on Garda Pro module. For alternative modules, refer to website
[2] Module dependent [3] Cable carrying version fabricated from steel

Garda® Mono



BUILDINGS | FOOTBRIDGES | OVERPASSES

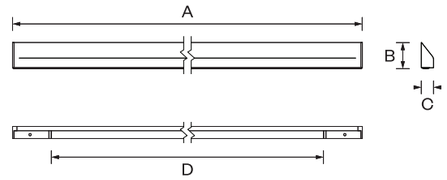
IP 66 | IK 10 | UK CA | CE

Technical details

Lumen output	150 - 2,200 lm[1]
Power	2 - 25 W (per module)[1]
LED modules	Garda Classic Garda Pro
CCT	2700K[2] / 3000K / 4000K
CRI	70 / 80[2]
Distributions	Asymmetric
Power supply	24VDC
Dimming	DALI / 1-10V
Control	-
Interface	-
Materials	Aluminium body Polycarbonate glazing
Finish	Polyester powder coat
Mounting	Wall mounted

Dimensions

Dimensions mm	A	B	C	D	kg
Garda Mono 1200	1400	91	42	1200	4.6
Garda Mono 900	1100	91	42	900	3.6
Garda Mono 600	800	91	42	600	2.6
Garda Mono 300	500	91	42	300	1.3
Garda Mono 100	320	91	42	120	0.9



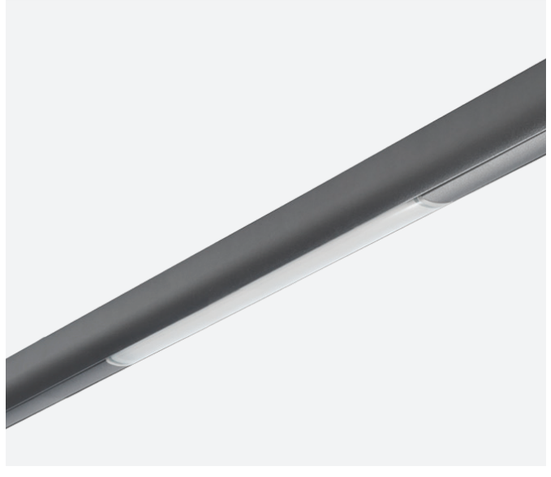
Colour options:

BLACK **RAL 9005** | MID GREY **RAL 7046** | LIGHT GREY **RAL 7035**

[1] Values based on Garda Pro module. For alternative modules, refer to website
[2] Module dependent

Scan to view page online:

Garda® Surface



BUILDINGS | OVERPASSES

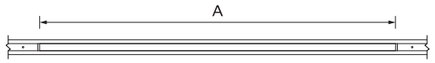
IP 66 | IK 10 | UK CA | CE

Technical details

Lumen output	300 - 1,500 lm[1]
Power	4 - 25 W (per module)[1]
LED modules	Garda Classic Garda Comfort
CCT	2700K[2] / 3000K / 4000K
CRI	> 80 / 90[2]
Distributions	Symmetric
Power supply	24VDC
Dimming	DALI / 1-10V
Control	-
Interface	-
Materials	Aluminium body Polycarbonate glazing
Finish	Polyester powder coat
Mounting	Surface mounted Suspended

Dimensions

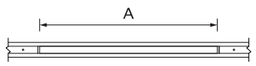
Dimensions mm	A	B	C
Garda Surface 1200 module	1200	45	50
Garda Surface 900 module	900	45	50
Garda Surface 600 module	600	45	50
Garda Surface 300 module	300	45	50



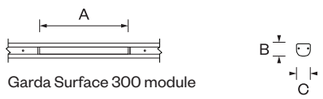
Garda Surface 1200 module



Garda Surface 900 module



Garda Surface 600 module



Garda Surface 300 module

Colour options:

BLACK RAL 9005 | MID GREY RAL 7046 | LIGHT GREY RAL 7035

[1] Values based on Garda Classic module. For alternative modules, refer to website
[2] Module dependent

Scan to view page online:

Garda® Velo



BUILDINGS

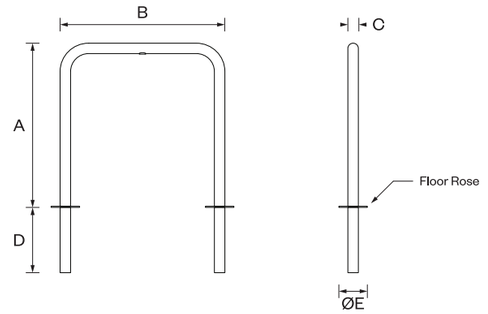
IP 67 | IK 10 | UK CA | CE

Technical details

Lumen output	150 lm
Power	1.5 W
LED quantity	1
CCT	2700K / 3000K / 4000K
CRI	> 80
Distributions	Symmetric
Power supply	24VDC
Dimming	Non-dimmable
Control	-
Interface	-
Materials	Stainless steel body Polycarbonate glazing
Finish	Brushed stainless steel
Mounting	Root mounted

Dimensions

Dimensions mm	A	B	C	D	E	kg
Garda Velo	750	750	50	300	130	8.5



Colour options:

BRUSHED STAINLESS STEEL

Scan to view page online:

Bollards

Our bollard range offers practical lighting solutions for pathways, station approaches and surrounding public areas. Available in functional and solar options, the range combines robust construction with controlled low-level illumination, helping improve visibility, support wayfinding and provide reliable performance across a variety of rail environments.



Space Park
Product: Kirium Bollard

Kirium® Bollard



CAR PARKS | FOOTPATHS | SIDINGS & YARDS

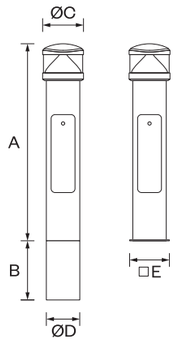
IP 66 | IK 10 | UK CA | CE

Technical details

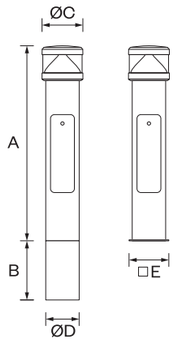
Lumen output	600 - 3,700 lm
Power	5 - 27 W
LED quantity	3 / 6 / 8
CCT	2700K / 3000K / 4000K
CRI	> 70
Distributions	Symmetric Asymmetric narrow[1] / medium / wide[1]
Power supply	220 - 240VAC; 50/60Hz
Dimming	Pre-programmed / DALI
Control	Presence detector CMS
Interface	-
Materials	Aluminium head Aluminium / GRP body[1] Silicone gaskets Polycarbonate glazing
Finish	Polyester powder coat Plascoat® finish (GRP version)[1]
Mounting	Root mounted Flange mounted Bolt-on root mounted

Dimensions

Dimensions mm	A	B	C	D	E	kg
Kirium Bollard 160 - Curved Head	1000	300	162	152	200	19.5 / 23.5
Kirium Bollard 160 - Angular Head	990	300	162	152	200	19.5 / 23.5
Kirium Bollard 200 - Curved Head	1000	300	208	168	200	20.5 / 24.5
Kirium Bollard 200 - Angular Head	990	300	208	168	200	20.5 / 24.5



Curved Head



Angular Head

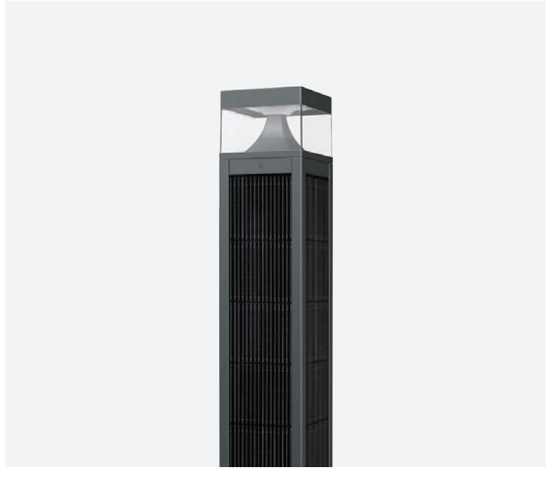
Colour options:

BLACK RAL 9005 | MID GREY RAL 7046 | LIGHT GREY RAL 7035

Scan to view page online:

[1] Kirium Bollard 200 only

Sierra® Bollard



CAR PARKS | FOOTPATHS

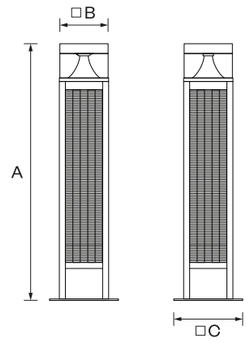
IP 65 | IK 08 | UK CA | CE

Technical details

Lumen output	1,300 lm
Power	10 W
LED quantity	8
CCT	2200K / 2700K / 3000K / 4000K
CRI	> 70
Distributions	Symmetric Asymmetric medium
Battery size	230 Wh (12.8V)
Panel size	88 W (4x 22 W)
Dimming	Pre-programmed
Control	Presence detector
Interface	-
Materials	Aluminium body Polycarbonate glazing Lithium iron phosphate battery Monocrystalline panel
Finish	Polyester powder coat
Mounting	Flange mounted Bolt-on root mounted

Dimensions

Dimensions mm	A	B	C	kg
Sierra Bollard	1050	200	280	13.0



Colour options:

BLACK RAL 9005

Scan to view page online:

Surface & in-ground luminaires

Our surface and in-ground range provides practical solutions for buildings, walkways, underpasses and wider rail infrastructure. From robust, vandal-resistant wall and ceiling-mounted luminaires to recessed in-ground products and high-performance floodlights, the range delivers uniform illumination, wide spacings and flexible performance for yards, points and junctions.



Crediton Station
Product: Kova

Kirium® Wall



BUILDINGS | PLATFORMS | CAR PARKS | WALKWAYS | SIDINGS & YARDS

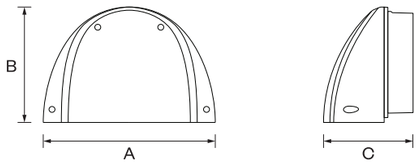
IP 66 | IK 10 | UK CA | CE

Technical details

Lumen output	1,100 - 8,200 lm
Power	6 - 49 W
LED quantity	8 / 16
CCT	2700K / 3000K / 4000K
CRI	> 70
Distributions	Narrow / medium / wide
Power supply	220 - 240VAC; 50/60Hz
Dimming	Pre-programmed / DALI
Control	Photocell / presence detector CMS
Interface	-
Materials	Aluminium body Silicone gaskets Clear / frosted polycarbonate glazing
Finish	Polyester powder coat
Mounting	Wall mounted BESA box (option)

Dimensions

Dimensions mm	A	B	C	kg
Kirium Wall	340	230	182	3.5



Colour options:

BLACK RAL 9005 | MID GREY RAL 7046 | LIGHT GREY RAL 7035

Scan to view page online:

Aventis



BUILDINGS | PLATFORMS | CAR PARKS | WALKWAYS | SIDINGS & YARDS

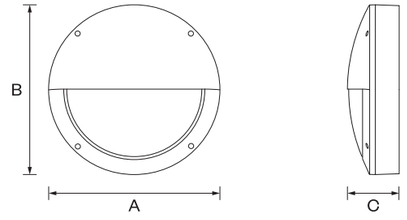
IP 65 | IK 08 | UK CA | CE

Technical details

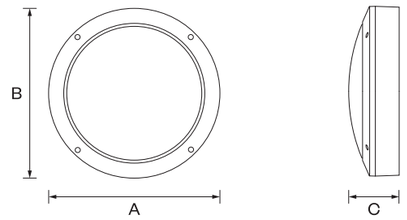
Lumen output	1,300 - 2,300 lm
Power	12 - 19 W
CCT	3000K / 4000K
CRI	> 80
Distributions	Frosted diffuser
Power supply	220 - 240VAC; 50/60Hz
Dimming	DALI
Control	Photocell / presence detector CMS
Interface	-
Materials	Aluminium body Silicone gaskets Frosted polycarbonate glazing
Finish	Polyester powder coat
Mounting	Wall mounted

Dimensions

Dimensions mm	A	B	C	kg
Aventis Eyelid	340	340	105	2.5
Aventis Plain	340	340	103	2.4



Aventis Eyelid



Aventis Plain

Colour options:

BLACK RAL 9005 | MID GREY RAL 7046

Scan to view page online:

Kova Corner



BUILDINGS | PLATFORMS | WALKWAYS | UNDERPASSES

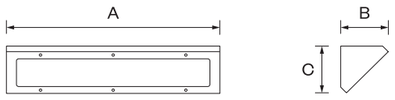
IP 65 | IK 11+ | UKCA | CE

Technical details

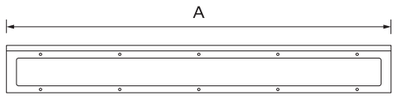
Lumen output	2,400 - 9,600 lm
Power	18 - 51 W
CCT	3000K / 4000K
CRI	> 80
Distributions	Symmetric
Power supply	220 - 240VAC; 50/60Hz
Dimming	DALI
Control	Photocell / presence detector
Interface	-
Materials	Stainless steel body Prismatic polycarbonate glazing
Finish	Polyester powder coat
Mounting	Wall mounted

Dimensions

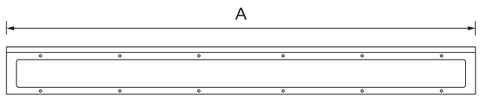
Dimensions mm	A	B	C	kg
Kova Corner 600	760	170	170	8.5
Kova Corner 1200	1370	170	170	15.0
Kova Corner 1500	1670	170	170	19.5



Kova Corner 600



Kova Corner 1200



Kova Corner 1500

Colour options:

BLACK
RAL 9005

Scan to view page online:

Kova Surface



BUILDINGS | PLATFORMS | WALKWAYS | UNDERPASSES

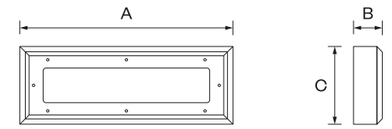
IP 65 | IK 11+ | UKCA | CE

Technical details

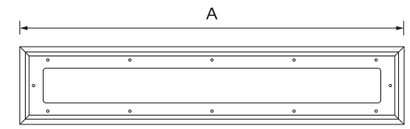
Lumen output	2,400 - 11,000 lm
Power	18 - 80 W
CCT	3000K / 4000K
CRI	> 80
Distributions	Symmetric
Power supply	220 - 240VAC; 50/60Hz
Dimming	DALI
Control	Photocell / presence detector
Interface	-
Materials	Stainless steel body Prismatic polycarbonate glazing
Finish	Polyester powder coat
Mounting	Wall mounted Ceiling mounted

Dimensions

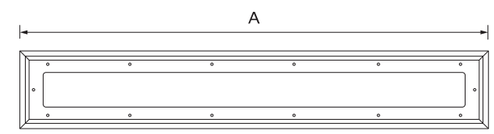
Dimensions mm	A	B	C	kg
Kova Surface 600	760	110	280	11.5
Kova Surface 1200	1370	110	280	18.5
Kova Surface 1500	1670	110	280	21.0



Kova Surface 600



Kova Surface 1200



Kova Surface 1500

Colour options:

BLACK
RAL 9005

Scan to view page online:

Kirium® Flood



BUILDINGS | CAR PARKS | SIDINGS & YARDS | JUNCTIONS | CROSSINGS

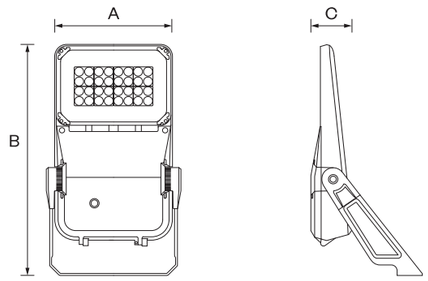
IP 66 | IK 08

Technical details

Lumen output	3,500 - 31,000 lm
Power	19 - 182 W
LED quantity	24 / 32 / 48 / 64
CCT	3000K / 4000K
CRI	> 70
Distributions	A1 / B1 / C1 / C2 / F1
Power supply	220 - 240VAC; 50/60Hz
Dimming	Pre-programmed / DALI
Control	Photocell / PIR sensor Bluetooth / CMS
Interface	4-pin Zhaga (top / bottom) 7-pin NEMA (top)
Materials	Aluminium body Silicone gaskets Toughened glass glazing
Finish	Polyester powder coat
Mounting	Stirrup bracket Ø76mm direct post

Dimensions

Dimensions mm	A	B	C	kg
Kirium Flood 2	308	610	110	11.0
Kirium Flood 3	308	711	110	12.0



Colour options:

MID GREY
RAL 7046

Scan to view page online:

Kios Round



BUILDINGS | FOOTPATHS

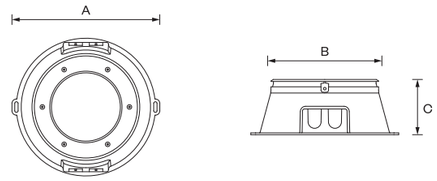
IP 67 | IK 10 | RG BW

Technical details

Lumen output	500 - 3,300 lm
Power	7 - 33 W
CCT	2700K / 3000K / 4000K / RGBW
CRI	80
Distributions	Narrow / medium / wide / elliptical
Power supply	220 - 240VAC; 50/60Hz
Dimming	DALI / 1-10V
Control	DMX[1]
Interface	-
Materials	Aluminium body Silicone gaskets Clear / frosted toughened glass glazing
Finish	Polyester powder coat
Mounting	In-ground

Dimensions

Dimensions mm	A	B	C	kg
Kios Round 1	305	220	145	4.8
Kios Round 5	375	290	145	7.2
Kios Round 9	445	360	145	9.2



Colour options:

BRUSHED
STAINLESS STEEL

[1] RGBW option only

Scan to view page online:

Lighting controls

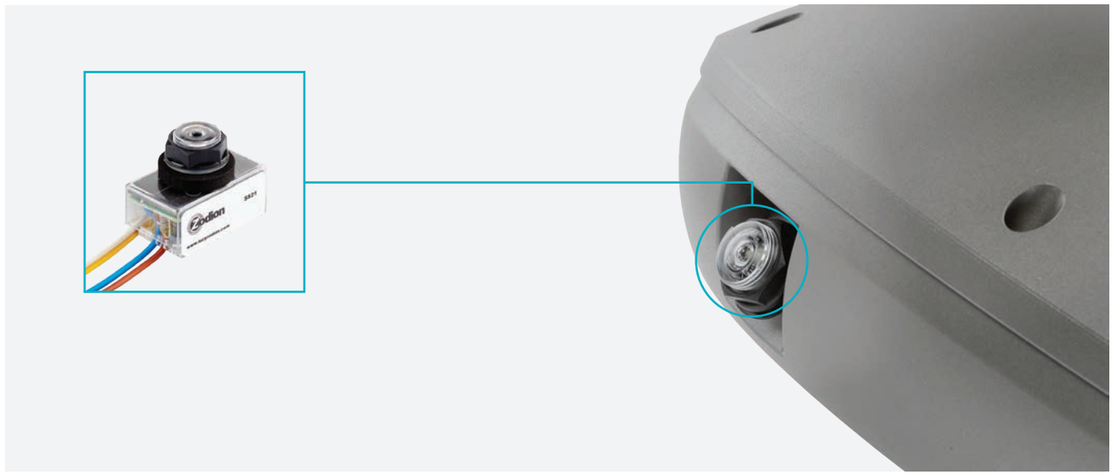
Our lighting controls range provides flexible solutions for managing rail environments more efficiently. From standalone motion sensors and Bluetooth control to fully connected CMS, each option helps reduce unnecessary energy use, lower running costs and simplify maintenance, while supporting more efficient operation and reducing environmental impact.



Crediton Station
Product: Kirium Pro

Standalone control

Standalone controls provide a simple way to improve lighting efficiency without the need for connected infrastructure. Presence detectors, photocells and pre-programmed dimming can all automatically adjust output based on occupancy, daylight or time. By reducing unnecessary operating hours and light levels, these controls help cut energy consumption and lower running costs.



Photocells

Photocells provide simple, automatic control by switching lighting in response to changing daylight levels. By ensuring luminaires operate only when ambient light falls below a set threshold, they help avoid unnecessary daytime use and reduce energy consumption. This straightforward approach can lower running costs, support consistent operation and remove the need for manual switching across exterior rail environments.



Programmable drivers

The majority of our luminaires are fitted with advanced programmable drivers, enabling DALI dimming and pre-programmed profiles for part-night switching or reduced output. Drivers can also be set to a specific drive current, allowing light output and energy use to be tailored to the application. Using NFC, settings can be adjusted during commissioning or maintenance, providing a simple way to optimise performance, reduce consumption and adapt lighting as requirements change.



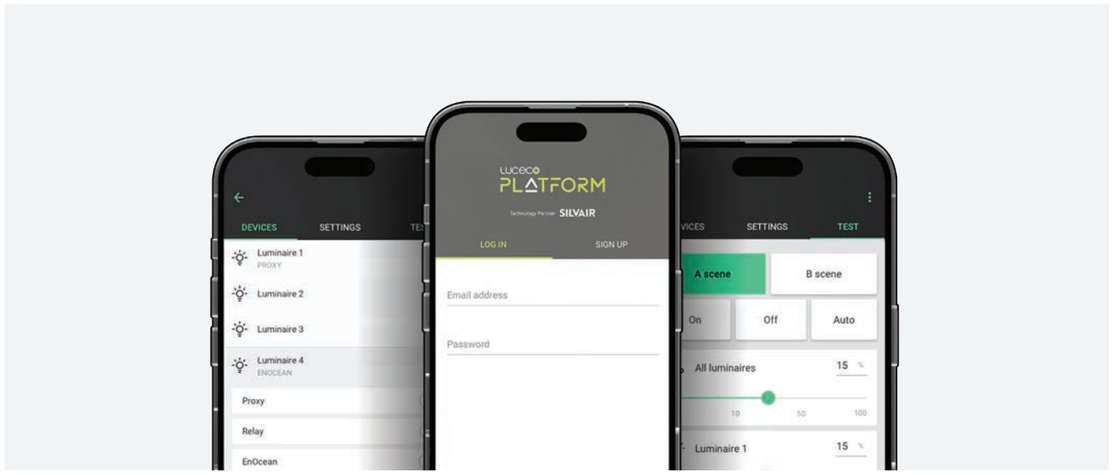
Presence detectors

Presence detectors enable light to be provided only when it is needed, helping reduce unnecessary energy use while maintaining safety and visibility. PIR and microwave sensors can detect movement and automatically raise lighting levels from a dimmed state, then return them once the area is clear. This light-on-demand approach is particularly suited to quieter spaces, helping reduce operating hours, lower costs and extend product life.

Intelligent control

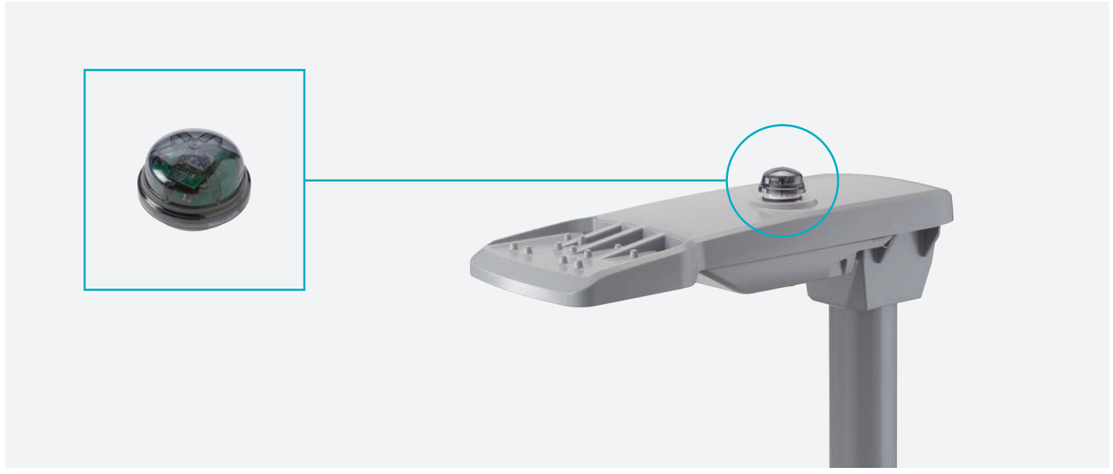
Smart lighting technology can enhance the performance, efficiency and flexibility of exterior lighting schemes. Through Luceco Platform, we offer a Bluetooth-enabled control solution that supports energy reduction, simplified commissioning and easier management. Designed for a range of applications, it provides practical control options without unnecessary complexity.

LUCECO PLATFORM
WIRELESS LIGHTING CONTROLS



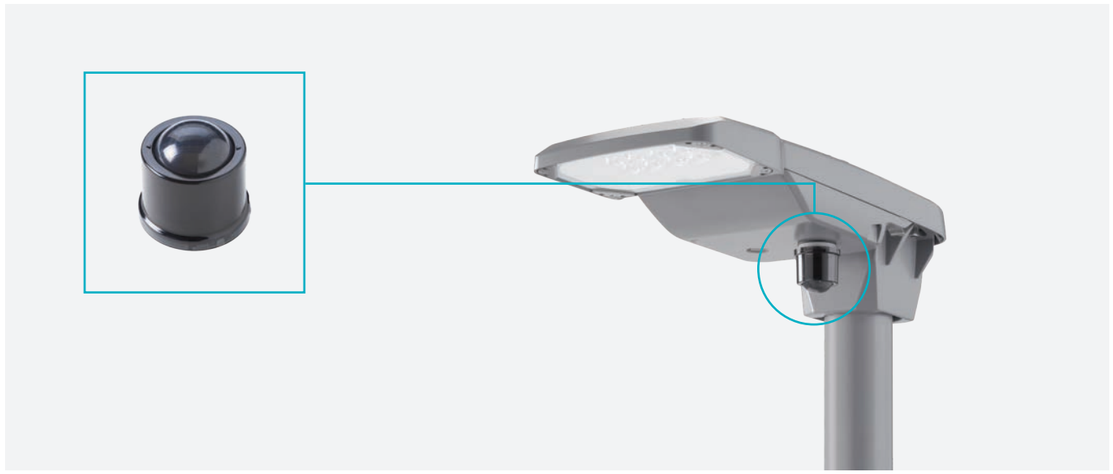
Luceco Platform

Luceco Platform uses Bluetooth NLC to create a secure, resilient wireless network for exterior lighting schemes. With low-latency communication between nodes and no single point of failure, it supports reliable performance across connected sites. Users can adjust lighting levels, set schedules, monitor performance and manage multiple locations remotely through an intuitive cloud-based platform, helping to reduce consumption, simplify operation and adapt schemes as requirements evolve.



Bluetooth® photocell node

The Bluetooth Photocell Node provides a simple, wireless control solution for street and area lighting applications. Designed to respond automatically to changes in ambient light levels, it enables reliable dusk/dawn switching without the need for complex infrastructure. It can also be grouped with other PIR and photocell nodes for coordinated control. With a wireless range of up to 40 metres, it supports flexible installation across a variety of exterior environments.



Bluetooth® PIR node

The Bluetooth PIR Node provides responsive motion-based control for street and area lighting applications. By detecting pedestrian activity, it enables luminaires to increase output when movement is present and reduce output when areas are unoccupied. It can also connect in a group with other PIR and photocell nodes for coordinated response. With a wireless range of up to 40 metres, it helps deliver efficient, practical lighting control in a variety of outdoor settings.



Meridian Water Station
Product: Garda Handrail

About DW Windsor

DW Windsor is an award-winning UK manufacturer of specification-grade exterior lighting and smart control solutions. Established in 1976, we combine decades of engineering experience and craftsmanship with a strong track record of delivering high-quality lighting for demanding infrastructure environments.

Today, DW Windsor is one of the UK's leading exterior lighting specialists, with extensive experience across the rail sector. As part of the Luceco Group, we can draw on the wider Group's expertise, technology and resources to deliver comprehensive lighting solutions, from high-performance luminaires and integrated lighting systems to intelligent controls and connected technology.

Our broad portfolio supports applications across the railway environment, including stations, platforms, footbridges, car parks, walkways, yards and surrounding infrastructure, backed by expert technical and specification support.



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