

Kirium Pro

Unequalled performance.
Unrivalled choice.





Think all street lights are made equal? Think again.

Featuring our latest generation LED technology for increased performance and improved efficiency for greater savings, with Kirum Pro, the best just got better.

Available in four sizes and with 14 Diamond+ optical solutions, it's the most innovative, forward-thinking, and future-proof product we've ever developed. Whatever your requirements, we have the solution: from 455 lm – suitable for residential roads and car parks – to 54,485 lm, ideal for larger roads and motorways.



Key advantages

- Our most comprehensive range of LED street lighting luminaires, available in four sizes
- 14 optical solutions with Diamond+ technology for precise lighting control to suit any project
- Exceptional thermal management for optimised performance and product life
- Impressive energy efficiency up to 188 lm/W delivering a minimal whole life cost solution
- Flexible drive current for tailored performance and accurate lighting levels
- Choice of control & connectivity options for even greater energy savings
- Toolless access via quick release latches offers easy installation and maintenance
- Safety first with automatic electrical disconnect for Kirium Pro 1, 2 & 3 models
- 2700K / 3000K / 4000K colour temperatures
- ENEC approved
- Emergency option available for Kirium Pro 1, 2 & 3 models
- Suitable for international markets with operating temperature range -45°C to +50°C





Residential



Car parks



Roads



Rail



Motorways





Unequalled flexibility, unrivalled choice

Our Kirium Pro range is offered in four distinct sizes which share a unified design aesthetic for a consistent appearance across lighting schemes. With multiple LED configurations, light outputs and mounting heights available, Kirium Pro is suited to a wide range of applications.



Kirium Pro Mini

Lumen Range
455 - 6,400 lm

Power Range
3 - 40 W

LED Quantity
4/8/16

Mounting Height
4 - 6 m

Typical Applications
Footpaths / Cycleways / Residential



Kirium Pro 2

Lumen Range
5,525 - 27,715 lm

Power Range
31 - 187 W

LED Quantity
48 / 64

Mounting Height
6 - 10 m

Car Parks / Conflict Areas / Pedestrian Crossings



Kirium Pro 1

Lumen Range
990 – 14,115 lm

Power Range
6 – 95 W

LED Quantity
8 / 16 / 24 / 32

Mounting Height
5 - 8 m

Typical Applications
Residential / Railway Platforms



Kirium Pro 3

Typical Applications

Lumen Range
7,090 - 54,485 lm

Power Range
55 - 374 W

LED Quantity
80 / 96 / 128

Mounting Height
8 - 15 m

Typical Applications
Motorways / Roundabouts

3



Design features

Automatic electrical disconnection

Safety feature; cuts power to the luminaire when opened*



Cooling fins

To aid thermal management and dissipate heat, extend LED lifetime

Cool Zone™ Exceptional thermal performance

Air void and thermal barrier that assists in delivering a long lifetime

Hinged opening

Easy access to control gear, aiding installation and maintenance. Lift off head on larger models*

Durable construction

High pressure die-cast LM6 aluminium body for corrosion resistance and added strength and durability

Performance lighting

 $\begin{array}{l} \mbox{High power LEDs (from 4 to 128} \\ \mbox{LED options)} \end{array}$

Kirium Pro Mini

Constant Light Output (CLO) Fully programmable



Safety tether

Supplied with an integral dampening safety tether, and an external fail-safe device as standard (Kirium Pro 3 only)



Flexible mounting

Direct post [Ø60mm / Ø60-76mm] Side entry [Ø34-42mm / Ø60mm] Direct post/side entry inclination: -15° -10° -5° 0° +5° +10° +15°

*available on Kirium Pro 1, 2 and 3 only

Optical control

Featuring Diamond+

14 optical distributions for ultimate flexibility and precise lighting control.

An evolution of our award-winning and patented Diamond Optic® reflector technology, Diamond+ gives you the ability to create widely different lighting distributions from a single luminaire.

Choose Diamond+ for refined lighting distribution

Diamond+ A Optic



Diamond+ B Optic



OptionsA1 / A2 / A3 / A5 / A6

Applications
Roads
Carriageways

Options B1 / B2 / B3

Applications
Footpaths
Cyclepaths

Diamond+ C Optic



Diamond+ Z Optic



Options C1 / C2 / C6

Applications
Area lighting
Car parks

Options ZL / ZR / ZF

Applications

Zebra crossings

Pedestrian crossings

Further Information

Please refer to our website for full optical configurations at dwwindsor.com/diamond



Surge protection device Maximises the lifetime value

and prevents down-time due to storms, lightning strikes etc

Quick-release latches for speedy installation and maintenance

5



Control & connectivity

From simple factory-set dimming to full CMS: enhance your luminaire through intelligent, connected sensors and control systems. Kirium Pro is now available with more connectivity options than ever and can be specified with both NEMA and Zhaga sockets mounted in top and bottom locations.

The benefits of smart control

- Adjust light levels remotely to adapt to environmental and social changes
- · Reduced energy consumption and lower carbon footprint
- Longer luminaire life
- Lower maintenance and energy costs over the life of the product
- Energy metering: paying for actual consumption
- · Ability to collect data







Kirium Pro Vision

Kirium Pro Vision is a high-performance street lighting solution with integrated CCTV technology. Designed as an intelligent solution for a safer world, Kirium Pro Vision consolidates multiple services into a single product, offering increased security with lower complexity.

Learn more at dwwindsor.com/kirium-pro-vision

Key features

- 3 different camera solutions to suit a range of urban Reduces visual clutter and provides a more subtle applications from high streets to car parks
- Wired or wireless connectivity, secure encryption and authentication
- ONVIF compliant to ensure interoperability with IP-based CCTV security systems
- solution in areas subject to high vandalism
- Camera data and recordings can be internally stored via a standard 128GB micro SD card
- An alarm can be set up to activate in the event of unauthorised access to the column door



centres and urbanised areas

Installation and maintenance



Toolless entry via quick-release latches for simple maintenance



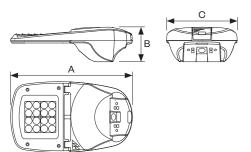
Hinged opening for easy access to internal control gear



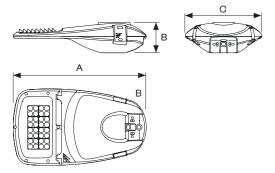
Lift-off head, with automatic electrical disconnect (Kirium Pro 1, 2 and 3 only)

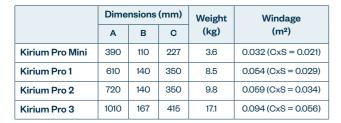
Luminaire Dimensions

Kirium Pro Mini

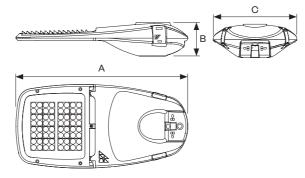


Kirium Pro 1

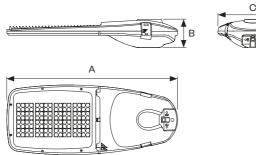




Kirium Pro 2



Kirium Pro 3





Kirium Pro lumen packages and wattages matrix

Model		of Ds	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050
Kirium Pro Mini	4	lm	457	557	656	754	850	943	1,035	1,124	1,211	1,295	1,376	1,454	1,528	1,598	1,665	1,727	1,786
KIRIUM Pro IVIINI	4	w	3	4	5	5	6	7	7	8	9	9	10	11	12	13	13	14	15
Kirium Pro Mini	8	lm	987	1,204	1,418	1,629	1,836	2,038	2,237	2,430	2,617	2,798	2,973	3,141	3,301	3,454	3,598	3,732	3,858
Kirium Pro 1	•	W	6	7	8	10	11	12	14	15	16	18	19	21	22	24	25	26	28
Kirium Pro Mini*	16	lm	1,915	2,335	2,750	3,159	3,561	3,954	4,339	4,713	5,077	5,429	5,768	6,093	6,404	6,700	6,979	7,241	7,484
Kirium Pro 1	16	w	11	13	15	18	20	22	25	27	30	32	35	38	40	43	46	48	51
	24	lm	2,755	3,360	3,957	4,546	5,123	5,690	6,243	6,781	7,305	7,811	8,299	8,767	9,214	9,639	10,041	10,418	10,769
Kirium Pro 1	24	W	16	19	22	25	28	32	35	39	43	46	50	54	57	61	65	69	73
Kirium Pro 1	32	lm	3,611	4,404	5,187	5,958	6,716	7,458	8,183	8,889	9,575	10,239	10,878	11,492	12,078	12,636	13,162	13,656	14,116
	32	W	21	25	29	33	37	41	46	51	55	60	65	70	75	80	85	90	95
	48	lm	5,525	6,792	7,936	9,116	10,274	11,410	12,519	13,599	14,648	15,664	16,642	17,581	18,478	19,331	20,136	20,892	21,595
Kirium Pro 2		W	31	37	44	50	57	63	70	77	84	92	99	107	114	122	130	137	145
KiliumPi02	64	lm	7,091	8,648	10,185	11,700	13,187	14,644	16,068	17,454	18,801	20,104	21,359	22,565	23,716	24,811	25,844	26,814	27,717
	04	W	41	48	56	64	73	82	91	100	109	118	128	138	147	157	167	177	187
	80	lm	8,755	10,665	12,553	14,414	16,245	18,039	19,793	21,503	23,163	24,770	26,319	27,806	29,226	30,575	31,848	33,040	33,930
	00	W	55	64	73	83	93	104	116	128	140	152	165	178	190	203	216	228	241
Kirium Pro 3	96	lm	11,247	13,445	15,615	17,753	19,852	21,909	23,918	25,876	27,776	29,615	31,388	32,218	34,714	35,305	37,718	38,059	40,361
Kiriuiii Pro 3	90	W	62	74	86	98	111	124	138	152	166	180	195	208	225	238	255	268	285
	128	lm	15,182	18,150	21,080	23,965	26,799	29,575	32,288	34,930	37,496	39,978	42,371	44,668	46,862	48,947	50,917	52,764	54,484
	128	W	81	97	112	129	146	163	181	199	218	237	256	275	295	314	334	354	374

Calculations based on 4000K with A2 optic and no Light Output Reduction (LOR) factor applied

Glare ratings

Optic	Rating	Optic	Rating	Optic	Rating	Optic	Rating
A1	None	B1	G3	C1	G6	ZL	G6
A2	G3	B2	G3	C2	G3	ZR	G6
A3	G3	В3	G3	C6	G1	ZF	None
A5	None						
A6	G2						

CCT details

	Light output reduction factor	S/P Ratio
4000K	1.00	1.5
3000K	0.93	1.3
2700K	0.86	1.2

Equivalent LED specifications for HID replacement schemes

Lamp and LEI	D Equivalent	Power (W)	Energy Saving (%)
	35W SOX	54	QE.
	8 LED @ 750mA	19	65
	55W SOX	76	60
	16 LED @ 650mA	30	30
sox	90W SOX	127	62
301	32 LED @ 550mA	48	02
	135W SOX	179	58
	48 LED @ 600mA	76	3
	180W SOX	246	60
	24 LED @ 650mA	99	3
SON-T+	50W SON-T+	65	74
JON 11	16 LED @ 350mA	17	•
	70W SON-T+ / CDO-TT	85	69
	16 LED @ 550mA	26	<u> </u>
	100W SON-T+ / CDO-TT	118	61
SON-T+/	24 LED @ 700mA	46	<u> </u>
CDO-TT	150W SON-T+ / CDO-TT	172	56
	48 LED @ 600mA	76	9
	250W SON-T+ / CDO-TT	280	43
	80 LED @ 750mA	160	
	45W CPO-TW	52	52
	8 LED @ 950mA	25	
	60W CPO-TW	66	55
CPO-TW	16 LED @ 650mA	30	•
3. 3	90W CPO-TW	100	54
	24 LED @ 700mA	46	
	140W CPO-TW	154	51
	32 LED @ 850mA	75	

Product codes

Model					
Kirium Pro Mini				KPM	
	Kirium Pro 1			KP1	KDO
		Kirium Pro 2		KP2	KP2
			Kirium Pro 3	KP3	
ED Quantity					
4 LED				4	
8LED	8LED			8	
16 LED	16 LED			16	
	24 LED			24	
	32 LED			32	48
		48 LED		48	40
		64 LED		64	
			80 LED	80	
			96 LED	96	
			128 LED	128	
Nounting					
Ø34-42mm Side entry	y (Kirium Pro Mini / 1 / 2 only)		Ø42mm Side entry (Pro 3)	S	
Ø60mm Side entry / D	Direct post		·	I	D
Ø76mm Direct post				D	
Colour Temperature				•	
2700K				27	
3000K				30	30
4000K				40	
ight Distribution	,	,		· ·	
Roads - Diamond+ A	Optic			A1/A2/A3/A5/A6	
Pathways - Diamond+	+ B Optic			B1/B2/B3	1
Areas - Diamond+ C (Optic			C1/C2/C6	A1
Crossings - Diamond-				ZL/ZR/ZF	
Orive Current					
Drive currents from 25	50mA to 1050mA are available in 5	OmA increments		250 / 300 / 350 400 / 450 / 500 550 / 600 / 650	750
		OmA increments		400 / 450 / 500	750
Insert drive current va		OmA increments		400 / 450 / 500 550 / 600 / 650 700 / 750 / 800 850 / 900 / 950	750
Insert drive current val		OmA increments		400 / 450 / 500 550 / 600 / 650 700 / 750 / 800 850 / 900 / 950 1000 / 1050	750
Insert drive current val Glazing Toughened glass	lue (eg 750mA - 750)	OmA increments		400 / 450 / 500 550 / 600 / 650 700 / 750 / 800 850 / 900 / 950 1000 / 1050	750 - FG
Insert drive current val Slazing Toughened glass Polycarbonate [Kirium	lue (eg 750mA - 750)	OmA increments		400 / 450 / 500 550 / 600 / 650 700 / 750 / 800 850 / 900 / 950 1000 / 1050	
Slazing Toughened glass Polycarbonate [Kirium	lue (eg 750mA - 750)	OmA increments		400 / 450 / 500 550 / 600 / 650 700 / 750 / 800 850 / 900 / 950 1000 / 1050 FG	
Slazing Toughened glass Polycarbonate [Kirium Colour Finish RAL 9005 Black	lue (eg 750mA - 750)	OmA increments		400 / 450 / 500 550 / 600 / 650 700 / 750 / 800 850 / 900 / 950 1000 / 1050 FG RA	
Clazing Toughened glass Polycarbonate [Kirium Colour Finish RAL 9005 Black RAL 7046 Mid grey	lue (eg 750mA - 750)	OmA increments		400 / 450 / 500 550 / 600 / 650 700 / 750 / 800 850 / 900 / 950 1000 / 1050 FG RA	
Glazing Toughened glass Polycarbonate [Kirium Colour Finish RAL 9005 Black RAL 7046 Mid grey RAL 7035 Light grey	lue (eg 750mA - 750)	OmA increments		400 / 450 / 500 550 / 600 / 650 700 / 750 / 800 850 / 900 / 950 1000 / 1050 FG RA 10 CF 29	- FG
Slazing Toughened glass Polycarbonate [Kirium Colour Finish RAL 9005 Black RAL 7046 Mid grey RAL 7035 Light grey Other RAL colour	lue (eg 750mA - 750)	OmA increments		400 / 450 / 500 550 / 600 / 650 700 / 750 / 800 850 / 900 / 950 1000 / 1050 FG RA	- FG
Slazing Toughened glass Polycarbonate [Kirium Colour Finish RAL 9005 Black RAL 7046 Mid grey RAL 7035 Light grey Other RAL colour Control	n Pro Mini / 1 only]	OmA increments		400 / 450 / 500 550 / 600 / 650 700 / 750 / 800 850 / 900 / 950 1000 / 1050 FG RA 10 CF 29 RAL [specify]	- FG
Slazing Toughened glass Polycarbonate [Kirium Colour Finish RAL 9005 Black RAL 7046 Mid grey RAL 7035 Light grey Other RAL colour Control No connectivity or cor	n Pro Mini /1 only]	OmA increments		400 / 450 / 500 550 / 600 / 650 700 / 750 / 800 850 / 900 / 950 1000 / 1050 FG RA 10 CF 29 RAL [specify]	- FG
Slazing Toughened glass Polycarbonate [Kirium Colour Finish RAL 9005 Black RAL 7046 Mid grey RAL 7035 Light grey Other RAL colour Control No connectivity or cor Miniature photocell - 2	n Pro Mini /1 only] ntrol 20 lux (1:0.5)	OmA increments		400 / 450 / 500 550 / 600 / 650 700 / 750 / 800 850 / 900 / 950 1000 / 1050 FG RA 10 CF 29 RAL [specify]	- FG
Slazing Toughened glass Polycarbonate [Kirium Colour Finish RAL 9005 Black RAL 7046 Mid grey RAL 7035 Light grey Other RAL colour Control No connectivity or cor Miniature photocell - 2 Miniature photocell - 3	n Pro Mini /1 only] ntrol 20 lux (1:0.5)	OmA increments		400 / 450 / 500 550 / 600 / 650 700 / 750 / 800 850 / 900 / 950 1000 / 1050 FG RA 10 CF 29 RAL [specify] N U20 U35	- FG
Slazing Toughened glass Polycarbonate [Kirium Colour Finish RAL 9005 Black RAL 7046 Mid grey RAL 7035 Light grey Other RAL colour Control No connectivity or cor Miniature photocell - 2 Miniature photocell - 3 3-pin NEMA socket	n Pro Mini /1 only] ntrol 20 lux (1:0.5)	OmA increments		400 / 450 / 500 550 / 600 / 650 700 / 750 / 800 850 / 900 / 950 1000 / 1050 FG RA 10 CF 29 RAL [specify] N U20 U35 E	- FG
Slazing Toughened glass Polycarbonate [Kirium Colour Finish RAL 9005 Black RAL 7046 Mid grey RAL 7035 Light grey Other RAL colour Control No connectivity or cor Miniature photocell – 2 Miniature photocell – 3 3-pin NEMA socket 5-pin NEMA socket	n Pro Mini /1 only] ntrol 20 lux (1:0.5)	OmA increments		400 / 450 / 500 550 / 600 / 650 700 / 750 / 800 850 / 900 / 950 1000 / 1050 FG RA 10 OF 29 RAL [specify] N U20 U35 E C3	- FG
Blazing Toughened glass Polycarbonate [Kirium Colour Finish RAL 9005 Black RAL 7046 Mid grey RAL 7035 Light grey Other RAL colour Control No connectivity or cor Miniature photocell – 3 3-pin NEMA socket 5-pin NEMA socket	n Pro Mini /1 only] ntrol 20 lux (1:0.5)	OmA increments		400 / 450 / 500 550 / 600 / 650 700 / 750 / 800 850 / 900 / 950 1000 / 1050 FG RA 10 CF 29 RAL [specify] N U20 U35 E C3 B1	- FG - 29
Alazing Toughened glass Polycarbonate [Kirium Colour Finish RAL 9005 Black RAL 7046 Mid grey RAL 7035 Light grey Other RAL colour Control No connectivity or cor Miniature photocell – 3 3-pin NEMA socket 5-pin NEMA socket 6-pin NEMA socket	n Pro Mini /1 only] ntrol 20 lux (1:0.5)	OmA increments		400 / 450 / 500 550 / 600 / 650 700 / 750 / 800 850 / 900 / 950 1000 / 1050 FG RA 10 CF 29 RAL [specify] N U20 U35 E C3 B1 D2	- FG
Slazing Toughened glass Polycarbonate [Kirium Colour Finish RAL 9005 Black RAL 7046 Mid grey RAL 7035 Light grey Other RAL colour Control Miniature photocell – 2 Miniature photocell – 3 3-pin NEMA socket 5-pin NEMA socket 6-pin NEMA socket 4-pin NEMA socket 4-pin Zhaga Book 18 s	n Pro Mini /1 only] ntrol 20 lux (1:0.5) 35 lux (1:0.5)			400 / 450 / 500 550 / 600 / 650 700 / 750 / 800 850 / 900 / 950 1000 / 1050 FG RA 10 CF 29 RAL [specify] N U20 U35 E C3 B1 D2 Z4	- FG - 29
Slazing Toughened glass Polycarbonate [Kirium Colour Finish RAL 9005 Black RAL 7046 Mid grey RAL 7035 Light grey Other RAL colour Control Miniature photocell – 2 Miniature photocell – 3 3-pin NEMA socket 5-pin NEMA socket 6-pin NEMA socket 4-pin Zhaga Book 18 s 4-pin Zhaga Book 18 s	ntrol 20 lux (1:0.5) 35 lux (1:0.5) cocket (top) cocket (bottom) [can be combined to		cell]	400 / 450 / 500 550 / 600 / 650 700 / 750 / 800 850 / 900 / 950 1000 / 1050 FG RA 10 CF 29 RAL [specify] N U20 U35 E C3 B1 D2 Z4 Z4A	- FG
Slazing Toughened glass Polycarbonate [Kirium Colour Finish RAL 9005 Black RAL 7046 Mid grey RAL 7035 Light grey Other RAL colour Control No connectivity or cor Miniature photocell – 2 Miniature photocell – 2 Miniature photocell – 5 G-pin NEMA socket 6-pin NEMA socket 6-pin NEMA socket 4-pin Zhaga Book 18 s 4-pin Zhaga Book 18 s 4-pin Zhaga Book 18 s	n Pro Mini /1 only] ntrol 20 lux (1:0.5) 35 lux (1:0.5)		cell]	400 / 450 / 500 550 / 600 / 650 700 / 750 / 800 850 / 900 / 950 1000 / 1050 FG RA 10 CF 29 RAL [specify] N U20 U35 E C3 B1 D2 Z4	- FG
Slazing Toughened glass Polycarbonate [Kirium Colour Finish RAL 9005 Black RAL 7046 Mid grey RAL 7035 Light grey Other RAL colour Control No connectivity or cor Miniature photocell – 2 Miniature photocell – 3 3-pin NEMA socket 5-pin NEMA socket 6-pin NEMA socket 7-pin NEMA socket 4-pin Zhaga Book 18 s 4-pin Zhaga Book 18 s 4-pin Zhaga Book 18 s 2MS (optional)	n Pro Mini / 1 only] ntrol 20 lux (1:0.5) 35 lux (1:0.5) socket (top) socket (bottom) [can be combined to socket (top and bottom)	with top NEMA or miniature photo	cell]	400 / 450 / 500 550 / 600 / 650 700 / 750 / 800 850 / 900 / 950 1000 / 1050 FG RA 10 CF 29 RAL [specify] N U20 U35 E C3 B1 D2 Z4 Z4A Z4B	- FG - 29
Blazing Toughened glass Polycarbonate [Kirium Colour Finish RAL 9005 Black RAL 7046 Mid grey RAL 7035 Light grey Other RAL colour Control No connectivity or cor Miniature photocell – 2 Miniature photocell – 2 3-pin NEMA socket 6-pin NEMA socket 6-pin NEMA socket 4-pin Zhaga Book 18 s 4-pin Zhaga Book 18 s 4-pin Zhaga Book 18 s 2MS (optional) Integral CMS – Urban 1	n Pro Mini /1 only] ntrol 20 lux (1:0.5) 35 lux (1:0.5) socket (top) socket (bottom) [can be combined to socket (top and bottom) Control (AC node with puck antenr	with top NEMA or miniature photo	cell]	400 / 450 / 500 550 / 600 / 650 700 / 750 / 800 850 / 900 / 950 1000 / 1050 FG RA 10 CF 29 RAL [specify] N U20 U35 E C3 B1 D2 Z4 Z4A Z4B	- FG - 29
Razing Toughened glass Polycarbonate [Kirium Colour Finish RAL 9005 Black RAL 7046 Mid grey RAL 7035 Light grey Other RAL colour Control No connectivity or cor Miniature photocell – 2 Miniature photocell – 3 3-pin NEMA socket 5-pin NEMA socket 6-pin NEMA socket 4-pin Zhaga Book 18 s 4-pin Zhaga Book 18 s 4-pin Zhaga Book 18 s CMS (optional) Integral CMS – Urban In	n Pro Mini / 1 only] ntrol 20 lux (1:0.5) 35 lux (1:0.5) socket (top) socket (bottom) [can be combined to socket (top and bottom) Control (AC node with puck antenr	with top NEMA or miniature photo	cell]	400 / 450 / 500 550 / 600 / 650 700 / 750 / 800 850 / 900 / 950 1000 / 1050 FG RA 10 CF 29 RAL [specify] N U20 U35 E C3 B1 D2 Z4 Z4A Z4B UAC UDC	- FG
Colour Finish RAL 9005 Black RAL 7046 Mid grey RAL 7035 Light grey Other RAL colour Control No connectivity or cor Miniature photocell – 3 3-pin NEMA socket 5-pin NEMA socket 6-pin NEMA socket 4-pin Zhaga Book 18 s 4-pin Zhaga Book 18 s 4-pin Zhaga Book 18 s CMS (optional) Integral CMS – Urban Integral CMS – Urban Integral CMS – Telens	n Pro Mini / 1 only] ntrol 20 lux (1:0.5) 35 lux (1:0.5) socket (top) socket (bottom) [can be combined to socket (top and bottom) Control (AC node with puck antenra (with monopole antenna)	with top NEMA or miniature photo	cell]	400 / 450 / 500 550 / 600 / 650 700 / 750 / 800 850 / 900 / 950 1000 / 1050 FG RA 10 CF 29 RAL [specify] N U20 U35 E C3 B1 D2 Z4 Z4A Z4B UAC UDC ITE	- FG
Glazing Toughened glass Polycarbonate [Kirium Colour Finish RAL 9005 Black RAL 7046 Mid grey RAL 7035 Light grey Other RAL colour Control No connectivity or cor Miniature photocell – 3 3-pin NEMA socket 5-pin NEMA socket 6-pin NEMA socket 4-pin Zhaga Book 18 s 4-pin Zhaga Book 18 s 4-pin Zhaga Book 18 s CMS (optional) Integral CMS – Urban II Integral CMS – Telensi Integral CMS – Mayflor	n Pro Mini /1 only] n Pro Mini /1 only] ntrol 20 lux (1:0.5) 35 lux (1:0.5) socket (top) socket (bottom) [can be combined with puck antenry Control (DC node with puck antenry a (with monopole antenna)	with top NEMA or miniature photo	cell]	400 / 450 / 500 550 / 600 / 650 700 / 750 / 800 850 / 900 / 950 1000 / 1050 FG RA 10 CF 29 RAL [specify] N U20 U35 E C3 B1 D2 Z4 Z4A Z4B UAC UDC	- FG
Colour Finish RAL 9005 Black RAL 7046 Mid grey RAL 7035 Light grey Other RAL colour Control No connectivity or cor Miniature photocell - 3 3-pin NEMA socket 5-pin NEMA socket 6-pin NEMA socket 4-pin Zhaga Book 18 s 4-pin Zhaga Book 18 s 4-pin Zhaga Book 18 s CMS (optional) Integral CMS - Urban Integral CMS - Urban Integral CMS - Telens	n Pro Mini /1 only] n Pro Mini /1 only] ntrol 20 lux (1:0.5) 35 lux (1:0.5) socket (top) socket (top and bottom) Control (AC node with puck antenr Control (DC node with puck antenr a (with monopole antenna) wer (with stub antenna)	with top NEMA or miniature photo	cell]	400 / 450 / 500 550 / 600 / 650 700 / 750 / 800 850 / 900 / 950 1000 / 1050 FG RA 10 CF 29 RAL [specify] N U20 U35 E C3 B1 D2 Z4 Z4A Z4B UAC UDC ITE	- FG - 29

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Kirium[®] Pro













Key Features

Our most comprehensive range of high performance LED street lighting luminaires, available in four sizes

Extensive optical solutions; introducing Diamond+ the ultimate in flexible, precise lighting control. 23 standard optical solutions available

Quick and safe installation and maintenance via toolless, quick-release latches. Lift-off head and automatic electrical disconnect

Emergency option available (Kirium Pro 1, 2 and 3 only)

Environmentally tested to BS EN 60068-2-6 2008

Complementary bollard and wall luminaire available

Options

Kirium Pro Mini: (4/8/16 LEDs) for mounting at 4-6 metres

Kirium Pro 1: (8/16/24/32 LEDs) for mounting at 5-8 metres

Kirium Pro 2: (48 / 64 LEDs) for mounting at 6-10 metres

Kirium Pro 3: (80/96/128 LEDs) for mounting at 8-15 metres

Optical Control

Diamond+ A Optic: Roads (A1 / A2 / A3 / A5 / A6)

Diamond+ B Optic: Pathways (B1 / B2 / B3)

Diamond+ C Optic: Areas (C1 / C2 / C6)

Diamond+ Z Optic: Crossings (ZL / ZR / ZF)

Lifetime

> 100,000 hours L90 B10

Total Luminaire Lumens

Kirium Pro Mini: 455 - 6,400 lm Kirium Pro 1: 990 - 14,115 lm

Kirium Pro 2: 5,525 - 27,715 lm **Kirium Pro 3:** 8,755 - 54,485 lm

Colour Temperature

2700K

3000K

4000K

Colour Rendering Index

70Ra

Luminaire Efficacy

Up to 188 lm/W

Drive Current

250mA - 1050mA (in 50mA increments)

Mounting

Direct post: Ø60mm / Ø60 - 76mm

Side entry: Ø34 - 42mm / Ø60mm

Direct post/side entry inclination: -15° -10° -5° 0° +5° +10° +15°

Adaptors available for various spigot diameters

Control

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

Switch: On/off through conventional miniature or NEMA 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 9005 Black

RAL 7046 Mid grey

RAL 7035 Light grey

(Other RAL colours available on request)

Materials

Body: High-pressure die-cast aluminium (LM6)

Glazing: Toughened glass (IKO8) / Polycarbonate (IK10)

Seals: Silicone

Finish: Polyester powder coat

Accessories

Optional obtrusive light shield(s) available and can be fitted after installation without opening the luminaire

Installation & Maintenance

Available with various cable tail options prefitted

Short form UMSUG codes available on the website

Operational temperature range: -45°C to +50°C

Surge protection: 10kV





EMS 562929



DW Windsor is part of the Luceco Group

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^{*} Class II on request