

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 five sizes and with 23 standard 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 440 lm – suitable for residential roads and car parks – to 51,940 lm, ideal for larger roads and motorways.

Key advantages

- Our most comprehensive range of LED street lighting luminaires, available in five sizes
- 23 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 192 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





M1, Junctions 10-12

Full case study available on our website: dwwindsor.com/m1

Unequalled flexibility, unrivalled choice

Our Kirium Pro range is offered in five 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.



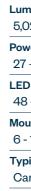




Kirium Pro Mini

Lumen Range 440 – 6,395 lm
Power Range 3 - 40 W
LED Quantity 4 - 16
Mounting Height 4 - 6 m
Typical Applications Footpaths / Cycleways / Residential







Kirium Pro Midi

Lumen Range	
2,535 – 10,640 lm	
Power Range	
14 – 70 W	
LED Quantity	
24	
Mounting Height	
4-8m	
Typical Applications	
Footpaths / Cycleways / Residential	



Kirium Pro 1

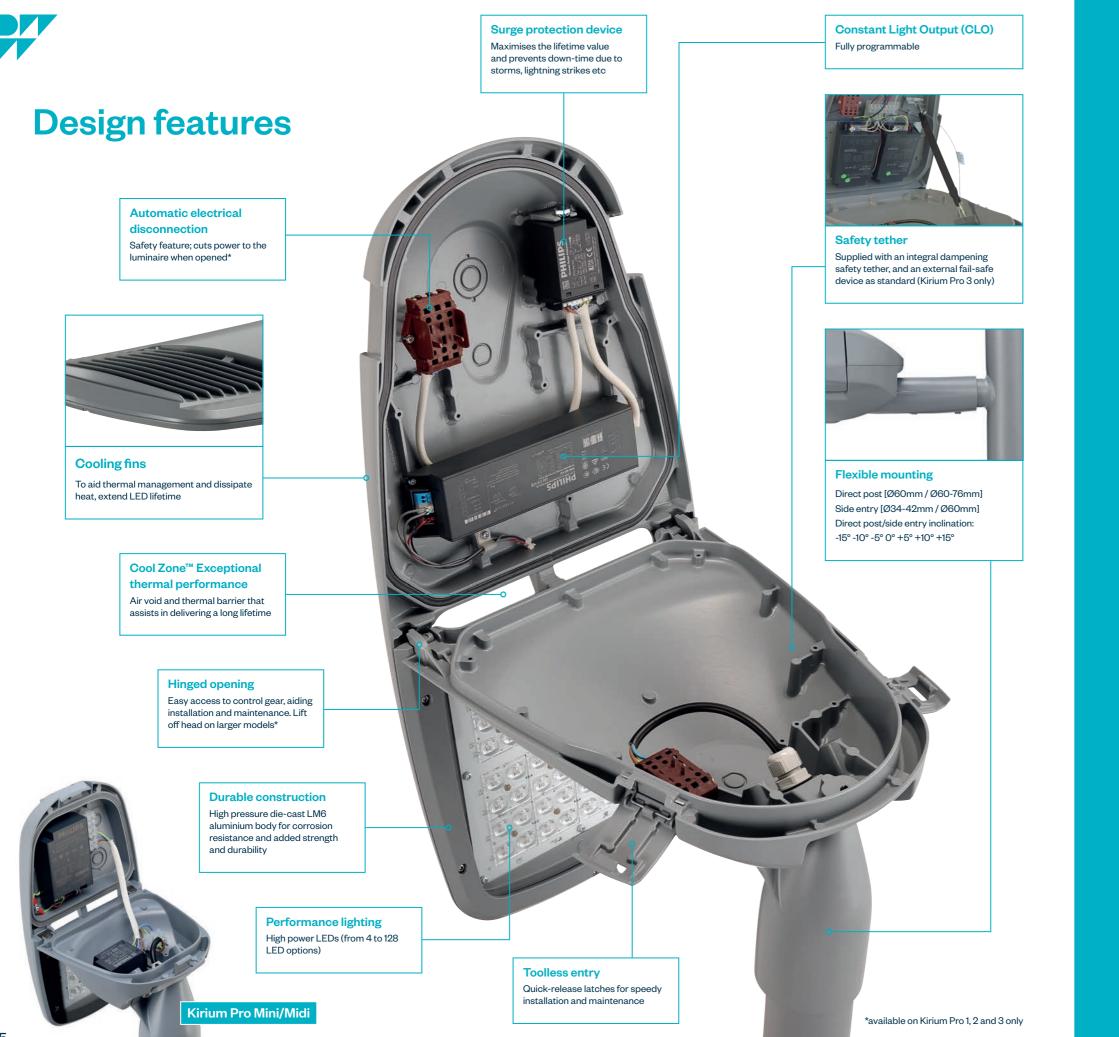
umen Range 115 – 13,180 lm
ower Range 5 – 93 W
ED Quantity 3 - 32
ounting Height - 8 m
ypical Applications Residential / Railway Platforms

Kirium Pro 2

men Range 025 – 27,390 lm
wer Range 7 – 176 W
D Quantity 3 - 64
unting Height - 10 m
pical Applications ar Parks / Conflict Areas / Pedestrian Crossings

Kirium Pro 3

Lumen Range	
7,930 – 51,940 lm	
Power Range	
45 - 351 W	
LED Quantity	
80 - 128	
Mounting Height	
8 - 15 m	
Typical Applications	
Motorways / Roundabouts	



Optical control

Featuring Diamond+

23 standard 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



Options A1 / A2 / A3 / A4 / A5

Typical Applications Wide roads and dual carriageways (M classes)

Diamond+ C Optic



Options

C1 / C2 / C3 / C4 / C5

Typical Applications Area applications and open spaces

Diamond+Z Optic



Options ZL / ZR / ZF

Typical Applications Zebra and pedestrian crossings

Diamond+ B Optic



Options B1 / B2 / B3 / B4 / B5

Typical Applications Narrow roads and footpaths

Diamond+D Optic



Options B1 / B2 / B3 / B4 / B5

Typical Applications Standard roads and wide footpaths

Further Information

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

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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

Wide Network Solutions Integral CMS via internal or external nodes for real-time control, monitoring, metering and dynamic management of lighting infrastructure. Connected (or Smart) assets use wireless communications networks, offering optimal flexibility. Control a single luminaire or group switch remotely.

Zhaga Socket (top) 4-pin option

K

Local Network Solutions

Switch, dim and configure luminaires wirelessly via Bluetooth for increased convenience and flexibility. Manage luminaires individually or in a group using scenes. Controlled directly from a smart device, no additional controls cabling required.

Zhaga Socket (bottom)

4-pin option

Stand-alone controls

NEMA Socket (top)

3/5/6/7-pin options

Direct control in its simplest form, stand-alone systems are reliable and straightforward, utilising devices such as photocells to manage the lighting. Full manual and dependable control, including factory-set dimming, time switches and presence detectors.



Square Mile, City of London

Full case study available on our website: dwwindsor.com/square-mile

THE REAL PROPERTY.



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 solution in areas subject to high vandalism
- Wired or wireless connectivity, secure encryption and authentication
- ONVIF compliant to ensure interoperability with IP-based CCTV security systems



Camera solutions



A discreet, all-round solution for monitoring any environment

A fixed position camera, which can be manually adjusted by hand, to offer a great general overview of any area

Pan Tilt Zoom

Static

A flexible, fully-motorised solution for covering large, open areas

With a 360° continuous rotation, -5° to 90° tilt and built-in infrared, perfect in emergency response scenarios

Fisheye

A 360°, panoramic solution with added sensors for analytical insights

Features a wide field of view, built-in microphone and infrared, ideal for town centres and urbanised areas

- 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

Installation and maintenance





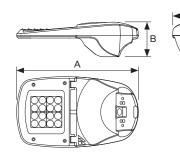
Toolless entry via quick-release latches for simple maintenance Hinged opening for easy access to internal control gear



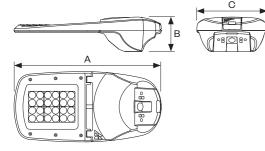
Lift-off head, with automatic electrical disconnect (Kirium Pro 1, 2 and 3 only)

Luminaire Dimensions

Kirium Pro Mini

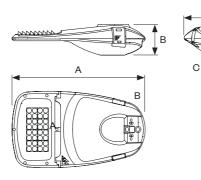


Kirium Pro Midi

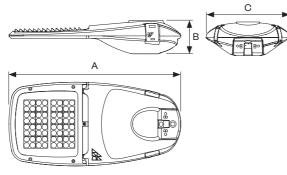


	Dime	nsions	(mm)	Weight	Windage
	Α	В	С	(kg)	(m²)
Kirium Pro Mini	390	110	227	3.6	0.032 (CxS = 0.021)
Kirium Pro Midi	451	119	227	5.0	0.034 (CxS = 0.026)
Kirium Pro 1	610	140	350	7.1	0.054 (CxS = 0.029)
Kirium Pro 2	720	140	350	9.5	0.059 (CxS = 0.034)
Kirium Pro 3	1010	167	415	17.5	0.094 (CxS = 0.056)

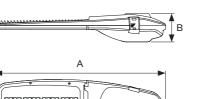
Kirium Pro 1

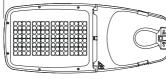


Kirium Pro 2



Kirium Pro 3







Crediton Station

Full case study available on our website: dwwindsor.com/crediton-station

Kirium Pro lumen packages and wattages matrix

Model	No of	LEDs	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050
		lm	440	544	645	743	839	932	1,022	1,109	1,194	1,276	1,355	1,430	1,503	1,572	1,638	1,701	1,760	1,848
Kirium Pro Mini	4	w	3	4	5	5	6	7	7	8	9	9	10	11	11	12	13	14	15	16
Kirium Pro Mini	8	lm	915	1,130	1,340	1,544	1,743	1,936	2,124	2,306	2,482	2,652	2,815	2,972	3,123	3,267	3,404	3,535	3,658	3,841
Kirium Pro 1	0	w	6	7	8	9	10	11	12	14	15	16	18	19	20	22	23	25	26	27
Kirium Pro Mini	16	lm	1,791	2,212	2,622	3,022	3,412	3,790	4,157	4,513	4,858	5,190	5,510	5,818	6,113	6,395	6,663*	6,619*	7,160*	7,518*
Kirium Pro 1	10	w	10	12	14	17	19	21	23	26	28	30	33	35	37	40	42*	45*	47*	49*
Kirium Pro Midi	24	Im	2,535	3,130	3,711	4,278	4,829	5,365	5,885	6,388	6,876	7,346	7,799	8,235	8,652	9,051	9,431	9,793	10,134	10,641
Kirium Pro 1	24	w	14	17	20	23	27	30	33	36	39	42	46	49	53	56	60	63	67	70
Kirium Pro 1	32	lm	3,297	4,071	4,827	5,563	6,280	6,977	7,653	8,308	8,942	9,554	10,143	10,709	11,252	11,771	12,266	12,735	13,180	13,839
Kirium Pro 2	32	w	19	23	27	31	35	39	43	48	52	56	61	65	70	75	79	84	89	93
Kirium Pro 2	48	Im	5,023	6,202	7,353	8,475	9,567	10,628	11,659	12,657	13,622	14,554	15,452	16,315	17,142	17,932	18,686	19,401	20,078	21,082
KINUIT FIO 2	40	w	27	33	39	45	51	57	64	70	76	82	89	95	102	109	116	123	131	137
Kirium Pro 2	64	lm	6,525	8,058	9,553	11,010	12,429	13,808	15,147	16,443	17,698	18,908	20,075	21,196	22,270	23,297	24,276	25,206	26,085	27,389
Kirium Pro 3	04	w	35	42	50	58	66	74	82	91	99	108	116	125	134	142	151	160	168	176
	80	lm	7,930	9,792	11,609	13,380	15,104	16,780	18,406	19,982	21,506	22,978	24,395	25,757	27,063	28,311	29,501	30,630	31,699	33,284
	80	w	45	55	65	75	86	96	106	117	127	138	149	160	171	182	193	205	216	226
Kirium Pro 3	96	lm	9,289	11,470	13,599	15,673	17,693	19,656	21,561	23,407	25,193	26,916	28,577	30,172	31,702	33,164	34,557	35,881	37,133	38,990
KINUM Pro 3	90	w	53	65	77	89	101	113	126	139	151	164	177	190	203	216	229	242	255	266
	100	lm	12,374	15,280	18,115	20,879	23,570	26,185	28,723	31,182	33,561	35,857	38,068	40,194	42,231	44,179	46,036	47,798	49,466	51,939
	128	w	70	85	101	117	132	149	165	181	198	215	231	249	266	283	301	318	336	351
Calculations based	on 40	IOOK wi	th A2 opti	ic and no l	Light Outp	out Reduc	tion (LOR) factor ap	plied								* only ap	oplies to K	irium Pro	1 (16 LED)

Glare ratings

Optic	Rating	Optic	Rating	Optic	Rating		Optic	Rating	Optic	Rating
A1	None	B1	G3	C1	G6		D1	None	ZL	G6
A2	G3	B2	G3	C2	G3	1	D2	G3	ZR	G6
A3	G3	B3	G3	C3	G6		D3	G3	ZF	None
A4	G3	B4	G3	C4	G6	1	D4	G2		
A5	None	B5	G4	C5	G4		D5	None		

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	65
	8 LED @ 750mA	19	9
	55W SOX	75	60
	16 LED @ 650mA	30	
sox	90W SOX	127	62
307	32 LED @ 550mA	48	02
	135W SOX	179	- 58
	48 LED @ 600mA	76	2
	180W SOX	246	60
	24 LED @ 650mA	99	
SON-T+	50W SON-T+	65	74
3011-11	16 LED @ 350mA	17	
	70W SON-T+/CDO-TT	85	69
	16 LED @ 550mA	26	
	100W SON-T+/CDO-TT	118	61
SON-T+/	24 LED @ 700mA	46	
CDO-TT	150W SON-T+/CDO-TT	172	56
	48 LED @ 600mA	76	
	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
сро-тw	16 LED @ 650mA	30	
0.0.11	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 Midi				KPD	
		Kirium Pro 1			KP1	KP2
			Kirium Pro 2		KP2	
				Kirium Pro 3	KP3	
LED Quantity						
4 LED					004	
8 LED		8 LED			008	
16 LED		16 LED			016	
	24 LED	24 LED			024	
		32 LED			032	048
			48 LED		048	040
			64 LED		064	
				80 LED	080	
				96 LED	096	
				128 LED	128	1
Mounting		· · · ·				
Ø34-42mm Side en	try [not available on Kiriu	m Pro 3]			S	
Ø60mm Side entry	/ Direct post adaptor				I	D
Ø76mm Direct post					D	
Colour Temperature					I	
2700K					27	
3000K					30	30
4000K					40	
Light Distribution						I
-	- Wide Road (A1 / A2 / A3	(A4 / A5)			A1/A2/A3/A4/A5	
	- Footpath (B1 / B2 / B3 / I				B1/B2/B3/B4/B5	-
-	- Area (C1/C2/C3/C4)				C1/C2/C3/C4/C5	D1
-	- Standard Road (D1 / D2					
					01/02/02/04/05	
Diamond+ Z Optic -	- Pedestrian Crossing (ZL				D1/D2/D3/D4/D5 ZL/ZR/ZF 0200/0250/0300 0350/0400/0450	
Diamond+ Z Optic - Light Output Drive currents from	- Pedestrian Crossing (ZL	./ ZR / ZF) vailable in 50mA increment	s		ZL/ZR/ZF 0200/0250/0300 0350/0400/0450 0500/0550/0600 0650/0700/0750 0800/0850/0900	0550
Diamond+ Z Optic - Light Output Drive currents from Insert drive current	- Pedestrian Crossing (ZL 200mA to 1050mA are a	./ ZR / ZF) vailable in 50mA increment	s		ZL/ZR/ZF 0200/0250/0300 0350/0400/0450 0500/0550/0600 0650/0700/0750	0550
Diamond+ Z Optic - Light Output Drive currents from Insert drive current	- Pedestrian Crossing (ZL 200mA to 1050mA are a	./ ZR / ZF) vailable in 50mA increment	S		ZL/ZR/ZF 0200/0250/0300 0350/0400/0450 0500/0550/0600 0650/0700/0750 0800/0850/0900	
Diamond+ Z Optic - Light Output Drive currents from Insert drive current v Glazing Toughened glass	- Pedestrian Crossing (ZL 200mA to 1050mA are a	/ ZR / ZF) vailable in 50mA increment g 250mA = 0250)	8		ZL/ZR/ZF 0200/0250/0300 0350/0400/0450 0500/0550/0600 0650/0700/0750 0800/0850/0900 0950/1000/1050	0550 FG
Diamond+ Z Optic - Light Output Drive currents from Insert drive current Glazing Toughened glass Polycarbonate [Kiriu	- Pedestrian Crossing (ZL 200mA to 1050mA are a value in 4-digit format (eg	/ ZR / ZF) vailable in 50mA increment g 250mA = 0250)	S		ZL/ZR/ZF 0200/0250/0300 0350/0400/0450 0500/0550/0600 0650/0700/0750 0800/0850/0900 0950/1000/1050 FG	
Diamond+ Z Optic - Light Output Drive currents from Insert drive current Glazing Toughened glass Polycarbonate [Kiriu	- Pedestrian Crossing (ZL 200mA to 1050mA are a value in 4-digit format (eg	/ ZR / ZF) vailable in 50mA increment g 250mA = 0250)	S		ZL/ZR/ZF 0200/0250/0300 0350/0400/0450 0500/0550/0600 0650/0700/0750 0800/0850/0900 0950/1000/1050 FG	
Diamond+ Z Optic - Light Output Drive currents from Insert drive current v Glazing Toughened glass Polycarbonate [Kirit Colour Finish RAL 9005 Black	- Pedestrian Crossing (ZL 200mA to 1050mA are a value in 4-digit format (eg um Pro Mini, Kirium Pro M	/ ZR / ZF) vailable in 50mA increment g 250mA = 0250)	s		ZL/ZR/ZF 0200/0250/0300 0350/0400/0450 0500/0550/0600 0650/0700/0750 0800/0850/0900 0950/1000/1050 FG RA	- FG
Diamond+ Z Optic - Light Output Drive currents from Insert drive current v Glazing Toughened glass Polycarbonate [Kirit Colour Finish RAL 9005 Black RAL 7046 Mid grey	- Pedestrian Crossing (ZL 200mA to 1050mA are a value in 4-digit format (eg um Pro Mini, Kirium Pro M	/ ZR / ZF) vailable in 50mA increment g 250mA = 0250)	s		ZL/ZR/ZF 0200 / 0250 / 0300 0350 / 0400 / 0450 0500 / 0550 / 0600 0650 / 0700 / 0750 0800 / 0850 / 0900 0950 / 1000 / 1050 FG RA 10	
Diamond+ Z Optic - Light Output Drive currents from Insert drive current v Glazing Toughened glass Polycarbonate [Kirit Colour Finish RAL 9005 Black	- Pedestrian Crossing (ZL 200mA to 1050mA are a value in 4-digit format (eg um Pro Mini, Kirium Pro M	/ ZR / ZF) vailable in 50mA increment g 250mA = 0250)	s		ZL/ZR/ZF 0200 / 0250 / 0300 0350 / 0400 / 0450 0500 / 0550 / 0600 0650 / 0700 / 0750 0800 / 0850 / 0900 0950 / 1000 / 1050 FG RA 10 CF	- FG
Diamond+ Z Optic - Light Output Drive currents from Insert drive current v Glazing Toughened glass Polycarbonate [Kirit Colour Finish RAL 9005 Black RAL 7046 Mid grey RAL 7035 Light grey Other RAL colour	- Pedestrian Crossing (ZL 200mA to 1050mA are a value in 4-digit format (eg um Pro Mini, Kirium Pro M	/ ZR / ZF) vailable in 50mA increment g 250mA = 0250)	s		ZL/ZR/ZF 0200 / 0250 / 0300 0350 / 0400 / 0450 0500 / 0550 / 0600 0650 / 0700 / 0750 0800 / 0850 / 0900 0950 / 1000 / 1050 FG RA 10 CF 29	- FG
Diamond+ Z Optic - Light Output Drive currents from Insert drive current v Glazing Toughened glass Polycarbonate [Kirit Colour Finish RAL 9005 Black RAL 7046 Mid grey RAL 7035 Light grey Other RAL colour Control	- Pedestrian Crossing (ZL 200mA to 1050mA are a value in 4-digit format (eg um Pro Mini, Kirium Pro M	/ ZR / ZF) vailable in 50mA increment g 250mA = 0250)	S		ZL/ZR/ZF 0200 / 0250 / 0300 0350 / 0400 / 0450 0500 / 0550 / 0600 0650 / 0700 / 0750 0800 / 0850 / 0900 0950 / 1000 / 1050 FG RA 10 CF 29 RAL [specify]	- FG
Diamond+ Z Optic - Light Output Drive currents from Insert drive current v Glazing Toughened glass Polycarbonate [Kiriu Colour Finish RAL 9005 Black RAL 7046 Mid grey RAL 7035 Light grev Other RAL colour Control No connectivity or c	- Pedestrian Crossing (ZL 200mA to 1050mA are a value in 4-digit format (eg um Pro Mini, Kirium Pro M y	/ ZR / ZF) vailable in 50mA increment g 250mA = 0250)	s		ZL/ZR/ZF 0200 / 0250 / 0300 0350 / 0400 / 0450 0500 / 0550 / 0600 0650 / 0700 / 0750 0800 / 0850 / 0900 0950 / 1000 / 1050 FG RA 10 CF 29 RAL [specify] N	- FG
Diamond+ Z Optic - Light Output Drive currents from Insert drive current v Glazing Toughened glass Polycarbonate [Kiriu Colour Finish RAL 9005 Black RAL 7046 Mid grey RAL 7035 Light grey Other RAL colour Control No connectivity or c Miniature photocell	- Pedestrian Crossing (ZL 200mA to 1050mA are a value in 4-digit format (eg um Pro Mini, Kirium Pro M y y sontrol - 20 lux (1:0.5)	/ ZR / ZF) vailable in 50mA increment g 250mA = 0250)	S		ZL/ZR/ZF 0200 / 0250 / 0300 0350 / 0400 / 0450 0500 / 0550 / 0600 0650 / 0700 / 0750 0800 / 0850 / 0900 0950 / 1000 / 1050 FG RA 10 CF 29 RAL [specify] N U20	- FG
Diamond+ Z Optic - Light Output Drive currents from Insert drive current v Glazing Toughened glass Polycarbonate [Kirit Colour Finish RAL 9005 Black RAL 7046 Mid grey RAL 7035 Light grey Other RAL colour Control No connectivity or c Miniature photocell Miniature photocell	- Pedestrian Crossing (ZL 200mA to 1050mA are a value in 4-digit format (eg um Pro Mini, Kirium Pro M y y control - 20 lux (1:0.5) - 35 lux (1:0.5)	/ ZR / ZF) vailable in 50mA increment g 250mA = 0250)	S		ZL/ZR/ZF 0200 / 0250 / 0300 0350 / 0400 / 0450 0500 / 0550 / 0600 0650 / 0700 / 0750 0800 / 0850 / 0900 0950 / 1000 / 1050 FG RA 10 CF 29 RAL [specify] N U20 U35	- FG
Diamond+ Z Optic - Light Output Drive currents from Insert drive current of Glazing Toughened glass Polycarbonate [Kirk Colour Finish RAL 9005 Black RAL 7046 Mid grey RAL 7035 Light grey Other RAL colour Control No connectivity or co Miniature photocell Miniature photocell 3-pin NEMA socket	- Pedestrian Crossing (ZL 200mA to 1050mA are a value in 4-digit format (eg um Pro Mini, Kirium Pro M y y control - 20 lux (1:0.5) - 35 lux (1:0.5)	/ ZR / ZF) vailable in 50mA increment g 250mA = 0250)	S		ZL/ZR/ZF 0200 / 0250 / 0300 0350 / 0400 / 0450 0500 / 0550 / 0600 0660 / 0700 / 0750 0800 / 0850 / 0900 0950 / 1000 / 1050 FG RA 10 CF 29 RAL [specify] N U20 U35 E	- FG - 29
Diamond+ Z Optic - Light Output Drive currents from Insert drive current v Glazing Toughened glass Polycarbonate [Kirit Colour Finish RAL 9005 Black RAL 7046 Mid grey RAL 7035 Light grey Other RAL colour Control No connectivity or c Miniature photocell Miniature photocell 3-pin NEMA socket 5-pin NEMA socket	- Pedestrian Crossing (ZL 200mA to 1050mA are a value in 4-digit format (eg um Pro Mini, Kirium Pro M y sontrol - 20 lux (1:0.5) - 35 lux (1:0.5)	/ ZR / ZF) vailable in 50mA increment g 250mA = 0250)	S		ZL/ZR/ZF 0200 / 0250 / 0300 0350 / 0400 / 0450 0500 / 0550 / 0600 0660 / 0700 / 0750 0800 / 0850 / 0900 0950 / 1000 / 1050 FG RA 10 CF 29 RAL [specify] N U20 U35 E C3	- FG
Diamond+ Z Optic - Light Output Drive currents from Insert drive current v Glazing Toughened glass Polycarbonate [Kirit Colour Finish RAL 9005 Black RAL 7046 Mid grey RAL 7036 Light grey Other RAL colour Control No connectivity or cc Miniature photocell Miniature photocell 3-pin NEMA socket 6-pin NEMA socket	- Pedestrian Crossing (ZL 200mA to 1050mA are a value in 4-digit format (eg um Pro Mini, Kirium Pro M y sontrol - 20 lux (1:0.5) - 35 lux (1:0.5)	/ ZR / ZF) vailable in 50mA increment g 250mA = 0250)	s		ZL/ZR/ZF 0200 / 0250 / 0300 0350 / 0400 / 0450 0500 / 0550 / 0600 0650 / 0700 / 0750 0800 / 0850 / 0900 0950 / 1000 / 1050 FG RA 10 CF 29 RAL [specify] U20 U35 E C3 B1	- FG - 29
Diamond+ Z Optic - Light Output Drive currents from Insert drive current v Glazing Toughened glass Polycarbonate [Kirit Colour Finish RAL 9005 Black RAL 7046 Mid grey RAL 7036 Light grey Other RAL colour Control No connectivity or c Miniature photocell Miniature photocell 3-pin NEMA socket 5-pin NEMA socket 7-pin NEMA socket	- Pedestrian Crossing (ZL 200mA to 1050mA are a value in 4-digit format (eg um Pro Mini, Kirium Pro M y sontrol - 20 lux (1:0.5) - 35 lux (1:0.5)	/ ZR / ZF) vailable in 50mA increment g 250mA = 0250)	s		ZL/ZR/ZF 0200 / 0250 / 0300 0350 / 0400 / 0450 0500 / 0550 / 0600 0650 / 0700 / 0750 0800 / 0850 / 0900 0950 / 1000 / 1050 FG RA 10 CF 29 RAL [specify] U20 U35 E C3 B1 D2	- FG - 29
Diamond+ Z Optic - Light Output Drive currents from Insert drive current v Glazing Toughened glass Polycarbonate [Kirit Colour Finish RAL 9005 Black RAL 7046 Mid grey RAL 7035 Light grey Other RAL colour Control No connectivity or co Miniature photocell Miniature photocell Miniature photocell 3-pin NEMA socket 6-pin NEMA socket 4-pin Zhaga Book 18	- Pedestrian Crossing (ZL 200mA to 1050mA are a value in 4-digit format (eg um Pro Mini, Kirium Pro M y sontrol - 20 lux (1:0.5) - 35 lux (1:0.5) - 35 lux (1:0.5)	/ ZR / ZF) wailable in 50mA increment g250mA = 0250) idi & Kirium Pro 1 only]			ZL/ZR/ZF 0200 / 0250 / 0300 0350 / 0400 / 0450 0500 / 0550 / 0600 0650 / 0700 / 0750 0800 / 0850 / 0900 0950 / 1000 / 1050 FG RA 10 CF 29 RAL [specify] N U20 U35 E C3 B1 D2 Z4	- FG - 29
Diamond+ Z Optic - Light Output Drive currents from Insert drive current v Glazing Toughened glass Polycarbonate [Kirit Colour Finish RAL 9005 Black RAL 7046 Mid grey RAL 7035 Light grey Other RAL colour Control No connectivity or co Miniature photocell Miniature photocell Miniature photocell 3-pin NEMA socket 6-pin NEMA socket 4-pin Zhaga Book 18 4-pin Zhaga Book 18	 Pedestrian Crossing (ZL 200mA to 1050mA are a value in 4-digit format (egum Pro Mini, Kirium Pro Mini, Kirium Pro Mini, Cirium Pro Mini, Kirium Pro Mini, Kiri	/ ZR / ZF) vailable in 50mA increment (250mA = 0250) idi & Kirium Pro 1 only] combined with top NEMA combined with			ZL/ZR/ZF 0200 / 0250 / 0300 0350 / 0400 / 0450 0500 / 0550 / 0600 0650 / 0700 / 0750 0800 / 0850 / 0900 0950 / 1000 / 1050 FG RA 10 CF 29 RAL [specify] N U20 U35 E C3 B1 D2 Z4 Z4A	- FG - 29
Diamond+ Z Optic - Light Output Drive currents from Insert drive current v Glazing Toughened glass Polycarbonate [Kirit Colour Finish RAL 9005 Black RAL 7046 Mid grey RAL 7035 Light grey Other RAL colour Control No connectivity or co Miniature photocell Miniature photocell 3-pin NEMA socket 5-pin NEMA socket 6-pin NEMA socket 4-pin Zhaga Book 18 4-pin Zhaga Book 18	- Pedestrian Crossing (ZL 200mA to 1050mA are a value in 4-digit format (eg um Pro Mini, Kirium Pro M y sontrol - 20 lux (1:0.5) - 35 lux (1:0.5) - 35 lux (1:0.5)	/ ZR / ZF) vailable in 50mA increment (250mA = 0250) idi & Kirium Pro 1 only] combined with top NEMA combined with			ZL/ZR/ZF 0200 / 0250 / 0300 0350 / 0400 / 0450 0500 / 0550 / 0600 0650 / 0700 / 0750 0800 / 0850 / 0900 0950 / 1000 / 1050 FG RA 10 CF 29 RAL [specify] N U20 U35 E C3 B1 D2 Z4	- FG - 29
Diamond+ Z Optic - Light Output Drive currents from Insert drive current v Glazing Toughened glass Polycarbonate [Kirit Colour Finish RAL 9005 Black RAL 7046 Mid grey RAL 7035 Light grey Other RAL colour Control No connectivity or c Miniature photocell Miniature photocell 3-pin NEMA socket 5-pin NEMA socket 6-pin NEMA socket 4-pin Zhaga Book 18 4-pin Zhaga Book 18 4-pin Zhaga Book 18	- Pedestrian Crossing (ZL 200mA to 1050mA are a value in 4-digit format (eg um Pro Mini, Kirium Pro M y y control - 20 lux (1:0.5) - 35 lux (1:0.5) - 35 lux (1:0.5) - 8 socket (top) B socket (bottom) [can be B socket (top and bottom	/ ZR / ZF) vailable in 50mA increment (250mA = 0250) idi & Kirium Pro 1 only] idi & Kirium Pro 1 only] combined with top NEMA combined wi			ZL/ZR/ZF 0200 / 0250 / 0300 0350 / 0400 / 0450 0500 / 0550 / 0600 0650 / 0700 / 0750 0800 / 0850 / 0900 0950 / 1000 / 1050 FG RA 10 CF 29 RAL [specify] V120 U35 E C3 B1 D2 Z4 Z4A Z4B	- FG - 29
Diamond+ Z Optic - Light Output Drive currents from Insert drive current v Glazing Toughened glass Polycarbonate [Kirit Colour Finish RAL 9005 Black RAL 7046 Mid grey RAL 7035 Light grey Other RAL colour Control No connectivity or c Miniature photocell Miniature photocell 3-pin NEMA socket 5-pin NEMA socket 6-pin NEMA socket 4-pin Zhaga Book 18 4-pin Zhaga Book 18 4-pin Zhaga Book 18 CMS	Pedestrian Crossing (ZL 200mA to 1050mA are a value in 4-digit format (eg um Pro Mini, Kirium Pro M y sontrol - 20 lux (1:0.5) - 35 lux (1:0.5) B socket (bottom) [can be B socket (top and bottom an Control (AC node with	/ ZR / ZF) vailable in 50mA increment (250mA = 0250) idi & Kirium Pro 1 only] idi & Kirium Pro 1 only] combined with top NEMA combined wi			ZL/ZR/ZF 0200 / 0250 / 0300 0350 / 0400 / 0450 0500 / 0550 / 0600 0650 / 0700 / 0750 0800 / 0850 / 0900 0950 / 1000 / 1050 FG RA 10 CF 29 RAL [specify] V20 U35 E C3 B1 D2 Z4 Z4A UAC	- FG - 29
Diamond+ Z Optic - Light Output Drive currents from Insert drive current s Toughened glass Polycarbonate [Kiriu Colour Finish RAL 9005 Black RAL 7046 Mid grey RAL 7035 Light grey Other RAL colour Control No connectivity or c Miniature photocell Miniature photocell Miniature photocell 3-pin NEMA socket 5-pin NEMA socket 6-pin NEMA socket 4-pin Zhaga Book 18 4-pin Zhaga Book 18 4-pin Zhaga Book 18 Integral CMS - Urba	- Pedestrian Crossing (ZL 200mA to 1050mA are a value in 4-digit format (eg um Pro Mini, Kirium Pro M y y control - 20 lux (1:0.5) - 35 lux (1:0.5) - 35 lux (1:0.5) - 35 socket (bottom) [can be B socket (top and bottom an Control (AC node with an Control (DC node with	/ ZR / ZF) vailable in 50mA increment (250mA = 0250) idi & Kirium Pro 1 only] idi & Kirium Pro 1 only] combined with top NEMA combined wi			ZL/ZR/ZF 0200 / 0250 / 0300 0350 / 0400 / 0450 0500 / 0550 / 0600 0650 / 0700 / 0750 0800 / 0850 / 0900 0950 / 1000 / 1050 FG RA 10 CF 29 RAL [specify] U20 U35 E C3 B1 D2 Z4 UAC UDC	- FG - 29
Diamond+ Z Optic - Light Output Drive currents from Insert drive current s Toughened glass Polycarbonate [Kirit Colour Finish RAL 9005 Black RAL 7046 Mid grey RAL 7035 Light grey Other RAL colour Control No connectivity or c Miniature photocell Miniature photocell 3-pin NEMA socket 5-pin NEMA socket 6-pin NEMA socket 6-pin NEMA socket 4-pin Zhaga Book 18 4-pin Zhaga Book 18 4-pin Zhaga Book 18 CMS Integral CMS - Urba Integral CMS - Urba	Pedestrian Crossing (ZL 200mA to 1050mA are a value in 4-digit format (eg um Pro Mini, Kirium Pro M y sontrol - 20 lux (1:0.5) - 35 lux (1:0.5) B socket (bottom) [can be B socket (top and bottom an Control (AC node with	/ ZR / ZF) vailable in 50mA increment (250mA = 0250) idi & Kirium Pro 1 only] idi & Kirium Pro 1 only] combined with top NEMA co puck antenna) puck antenna) puck antenna) nna)			ZL/ZR/ZF 0200 / 0250 / 0300 0350 / 0400 / 0450 0500 / 0550 / 0600 0650 / 0700 / 0750 0800 / 0850 / 0900 0950 / 1000 / 1050 FG RA 10 CF 29 RAL [specify] V20 U35 E C3 B1 D2 Z4 Z4A UAC	- FG - 29

Kirium Pro Mini					KPM	
	Kirium Pro Midi				KPD	
		Kirium Pro 1			KP1	KP2
			Kirium Pro 2		KP2	
				Kirium Pro 3	KP3	
ED Quantity						
4 LED					004	_
8 LED		8 LED			008	_
16 LED		16 LED			016	-
	24 LED	24 LED			024	-
		32 LED	101.55		032	048
			48 LED		048	-
			64 LED	00155	064	-
				80 LED	080	-
				96 LED	096	-
• · · · · · · ·				128 LED	128	
Mounting	r (not ovoilable on Kirium)	Dro 21			S	
Ø60mm Side entry /	ry [not available on Kirium]				5	D
Ø76mm Direct post	Dirou post auaptur				D	-
Colour Temperature						
2700K					27	
3000K					30	30
4000K					40	
ight Distribution					I	
-	Wide Road (A1 / A2 / A3 / A	A4/A5)			A1/A2/A3/A4/A5	
Diamond+ B Optic -	Footpath (B1 / B2 / B3 / B4	/ B5)			B1/B2/B3/B4/B5	
-	Area (C1 / C2 / C3 / C4 / C				C1/C2/C3/C4/C5	D1
Diamond+ D Optic -	Standard Road (D1 / D2 / D	D3/D4/D5)			D1/D2/D3/D4/D5	
ight Output	Pedestrian Crossing (ZL /				ZL/ZR/ZF 0200/0250/0300 0350/0400/0450	
Light Output	Pedestrian Crossing (ZL / 200mA to 1050mA are ava alue in 4-digit format (eg 2	ilable in 50mA increments	3		0200 / 0250 / 0300	0550
ight Output Drive currents from 2 Insert drive current v	200mA to 1050mA are ava	ilable in 50mA increments	3		0200 / 0250 / 0300 0350 / 0400 / 0450 0500 / 0550 / 0600 0650 / 0700 / 0750 0800 / 0850 / 0900	0550
ight Output Drive currents from 2 Insert drive current v	200mA to 1050mA are ava	ilable in 50mA increments	3		0200 / 0250 / 0300 0350 / 0400 / 0450 0500 / 0550 / 0600 0650 / 0700 / 0750 0800 / 0850 / 0900	
ight Output Drive currents from 2 Insert drive current v Glazing Toughened glass Polycarbonate [Kiriur	200mA to 1050mA are ava	ilable in 50mA increments 50mA = 0250)	3		0200 / 0250 / 0300 0350 / 0400 / 0450 0500 / 0550 / 0600 0650 / 0700 / 0750 0800 / 0850 / 0900 0950 / 1000 / 1050	0550 FG
ight Output Drive currents from 2 Insert drive current v Glazing Toughened glass Polycarbonate [Kiriur Colour Finish	200mA to 1050mA are ava alue in 4-digit format (eg 2	ilable in 50mA increments 50mA = 0250)	3		0200 / 0250 / 0300 0350 / 0400 / 0450 0500 / 0550 / 0600 0650 / 0700 / 0750 0800 / 0850 / 0900 0950 / 1000 / 1050 FG RA	
ight Output Drive currents from 2 Insert drive current v Glazing Toughened glass Polycarbonate [Kiriur Colour Finish RAL 9005 Black	200mA to 1050mA are ava alue in 4-digit format (eg 2	ilable in 50mA increments 50mA = 0250)	3		0200 / 0250 / 0300 0350 / 0400 / 0450 0500 / 0550 / 0600 0650 / 0700 / 0750 0800 / 0850 / 0900 0950 / 1000 / 1050 FG RA 10	
ight Output Drive currents from 2 Insert drive current v Glazing Toughened glass Polycarbonate [Kiriur Colour Finish RAL 9005 Black RAL 7046 Mid grey	200mA to 1050mA are ava alue in 4-digit format (eg 2 m Pro Mini, Kirium Pro Midi	ilable in 50mA increments 50mA = 0250)	\$		0200 / 0250 / 0300 0350 / 0400 / 0450 0500 / 0550 / 0600 0650 / 0700 / 0750 0800 / 0850 / 0900 0950 / 1000 / 1050 FG RA 10 CF	
ight Output Drive currents from 2 Insert drive current v Glazing Toughened glass Polycarbonate [Kiriur Colour Finish RAL 9005 Black RAL 7046 Mid grey RAL 7035 Light grey	200mA to 1050mA are ava alue in 4-digit format (eg 2 m Pro Mini, Kirium Pro Midi	ilable in 50mA increments 50mA = 0250)	3		0200 / 0250 / 0300 0350 / 0400 / 0450 0500 / 0550 / 0600 0650 / 0700 / 0750 0800 / 0850 / 0900 0950 / 1000 / 1050 FG RA 10 CF 29	FG
ight Output Drive currents from 2 Insert drive current v Glazing Toughened glass Polycarbonate [Kiriur Colour Finish RAL 9005 Black RAL 7046 Mid grey RAL 7035 Light grey Other RAL colour	200mA to 1050mA are ava alue in 4-digit format (eg 2 m Pro Mini, Kirium Pro Midi	ilable in 50mA increments 50mA = 0250)	3		0200 / 0250 / 0300 0350 / 0400 / 0450 0500 / 0550 / 0600 0650 / 0700 / 0750 0800 / 0850 / 0900 0950 / 1000 / 1050 FG RA 10 CF	FG
ight Output Drive currents from 2 Insert drive current v Glazing Toughened glass Polycarbonate [Kiriur Colour Finish RAL 9005 Black RAL 7046 Mid grey RAL 7035 Light grey Other RAL colour Control	200mA to 1050mA are ava alue in 4-digit format (eg 2 m Pro Mini, Kirium Pro Midi	ilable in 50mA increments 50mA = 0250)	3		0200 / 0250 / 0300 0350 / 0400 / 0450 0500 / 0550 / 0600 0650 / 0700 / 0750 0800 / 0850 / 0900 0950 / 1000 / 1050 FG RA 10 CF 29 RAL [specify]	FG
ight Output Drive currents from 2 Insert drive current v Glazing Toughened glass Polycarbonate [Kiriur Colour Finish RAL 9005 Black RAL 7046 Mid grey RAL 7035 Light grey Other RAL colour Control No connectivity or co	200mA to 1050mA are ava alue in 4-digit format (eg 2 m Pro Mini, Kirium Pro Midi	ilable in 50mA increments 50mA = 0250)	3		0200 / 0250 / 0300 0350 / 0400 / 0450 0500 / 0550 / 0600 0650 / 0700 / 0750 0800 / 0850 / 0900 0950 / 1000 / 1050 FG RA 10 CF 29 RAL [specify] N	FG
ight Output Drive currents from 2 Insert drive current v Glazing Toughened glass Polycarbonate [Kiriur Colour Finish RAL 9005 Black RAL 7046 Mid grey RAL 7035 Light grey Other RAL colour Control No connectivity or co Miniature photocell –	200mA to 1050mA are ava alue in 4-digit format (eg 2 m Pro Mini, Kirium Pro Midi ontrol - 20 lux (1:0.5)	ilable in 50mA increments 50mA = 0250)	5		0200 / 0250 / 0300 0350 / 0400 / 0450 0500 / 0550 / 0600 0650 / 0700 / 0750 0800 / 0850 / 0900 0950 / 1000 / 1050 FG RA 10 CF 29 RAL [specify] N U20	FG
ight Output Drive currents from 2 Insert drive current v Glazing Toughened glass Polycarbonate [Kiriui Colour Finish RAL 9005 Black RAL 7046 Mid grey RAL 7035 Light grey Other RAL colour Control No connectivity or co Miniature photocell – Miniature photocell –	200mA to 1050mA are ava alue in 4-digit format (eg 2 m Pro Mini, Kirium Pro Midi ontrol - 20 lux (1:0.5)	ilable in 50mA increments 50mA = 0250)	5		0200 / 0250 / 0300 0350 / 0400 / 0450 0500 / 0550 / 0600 0650 / 0700 / 0750 0800 / 0850 / 0900 0950 / 1000 / 1050 FG RA 10 CF 29 RAL [specify] N U20 U35	FG
ight Output Drive currents from 2 Insert drive current v Glazing Toughened glass Polycarbonate [Kiriur Colour Finish RAL 9005 Black RAL 7046 Mid grey RAL 7035 Light grey Other RAL colour Control No connectivity or cc Miniature photocell – Miniature photocell – 3-pin NEMA socket	200mA to 1050mA are ava alue in 4-digit format (eg 2 m Pro Mini, Kirium Pro Midi ontrol - 20 lux (1:0.5)	ilable in 50mA increments 50mA = 0250)	S		0200 / 0250 / 0300 0350 / 0400 / 0450 0500 / 0550 / 0600 0650 / 0700 / 0750 0800 / 0850 / 0900 0950 / 1000 / 1050 FG RA 10 CF 29 RAL [specify] N U20 U35 E	- FG 29
ight Output Drive currents from 2 Insert drive current v Glazing Toughened glass Polycarbonate [Kiriur Colour Finish RAL 9005 Black RAL 7046 Mid grey RAL 7035 Light grey Other RAL colour Control No connectivity or coc Miniature photocell – Miniature photocell – 3-pin NEMA socket 5-pin NEMA socket	200mA to 1050mA are ava alue in 4-digit format (eg 2 m Pro Mini, Kirium Pro Midi ontrol - 20 lux (1:0.5)	ilable in 50mA increments 50mA = 0250)	5		0200 / 0250 / 0300 0350 / 0400 / 0450 0500 / 0550 / 0600 0650 / 0700 / 0750 0800 / 0850 / 0900 0950 / 1000 / 1050 FG RA 10 CF 29 RAL [specify] N U20 U35	FG
ight Output Drive currents from 2 Insert drive current v Glazing Toughened glass Polycarbonate [Kiriur Colour Finish RAL 9005 Black RAL 7046 Mid grey RAL 7035 Light grey Other RAL colour Control No connectivity or cc Miniature photocell – Miniature photocell – 3-pin NEMA socket	200mA to 1050mA are ava alue in 4-digit format (eg 2 m Pro Mini, Kirium Pro Midi ontrol - 20 lux (1:0.5)	ilable in 50mA increments 50mA = 0250)	3		0200 / 0250 / 0300 0350 / 0400 / 0450 0500 / 0550 / 0600 0650 / 0700 / 0750 0800 / 0850 / 0900 0950 / 1000 / 1050 FG RA 10 CF 29 RAL [specify] N U20 U35 E C3	- FG 29
ight Output Drive currents from 2 Insert drive current v Glazing Toughened glass Polycarbonate [Kiriur Colour Finish RAL 9005 Black RAL 7046 Mid grey RAL 7035 Light grey Other RAL colour Control No connectivity or cc Miniature photocell – Miniature photocell – S-pin NEMA socket 6-pin NEMA socket	200mA to 1050mA are ava alue in 4-digit format (eg 2 m Pro Mini, Kirium Pro Midi ontrol 20 lux (1:0.5) 35 lux (1:0.5)	ilable in 50mA increments 50mA = 0250)	3		0200 / 0250 / 0300 0350 / 0400 / 0450 0500 / 0550 / 0600 0650 / 0700 / 0750 0800 / 0850 / 0900 0950 / 1000 / 1050 FG RA 10 CF 29 RAL [specify] N U20 U35 E C3 B1	- FG 29
ight Output Drive currents from 2 Insert drive current v Slazing Toughened glass Polycarbonate [Kiriur Colour Finish RAL 9005 Black RAL 7046 Mid grey RAL 7035 Light grey Other RAL colour Control No connectivity or co Miniature photocell – Miniature photocell – S-pin NEMA socket 5-pin NEMA socket 5-pin NEMA socket 7-pin NEMA socket 4-pin Zhaga Book 18	200mA to 1050mA are ava alue in 4-digit format (eg 2 m Pro Mini, Kirium Pro Midi ontrol 20 lux (1:0.5) 35 lux (1:0.5)	ilable in 50mA increments 50mA = 0250) & Kirium Pro1only]			0200 / 0250 / 0300 0350 / 0400 / 0450 0500 / 0550 / 0600 0650 / 0700 / 0750 0800 / 0850 / 0900 0950 / 1000 / 1050 FG RA 10 CF 29 RAL [specify] N U20 U35 E C3 B1 D2	- FG 29
ight Output Drive currents from 2 Insert drive current v Slazing Toughened glass Polycarbonate [Kiriur Colour Finish RAL 9005 Black RAL 7046 Mid grey RAL 7035 Light grey Other RAL colour Control No connectivity or co Miniature photocell - Miniature photocell - S-pin NEMA socket 5-pin NEMA socket 5-pin NEMA socket 4-pin Zhaga Book 18 4-pin Zhaga Book 18	200mA to 1050mA are ava alue in 4-digit format (eg 2 m Pro Mini, Kirium Pro Midi ontrol 20 lux (1:0.5) - 35 lux (1:0.5) - socket (top)	ilable in 50mA increments 50mA = 0250) & Kirium Pro1only]			0200 / 0250 / 0300 0350 / 0400 / 0450 0500 / 0550 / 0600 0650 / 0700 / 0750 0800 / 0850 / 0900 0950 / 1000 / 1050 FG RA 10 CF 29 RAL [specify] N U20 U35 E C3 B1 D2 Z4	- FG 29
ight Output Drive currents from 2 Insert drive current v Slazing Toughened glass Polycarbonate [Kiriur Colour Finish RAL 9005 Black RAL 7046 Mid grey RAL 7035 Light grey Other RAL colour Control No connectivity or cc Miniature photocell - Miniature photocell - S-pin NEMA socket 5-pin NEMA socket 6-pin NEMA socket 4-pin Zhaga Book 18 4-pin Zhaga Book 18	200mA to 1050mA are ava alue in 4-digit format (eg 2 m Pro Mini, Kirium Pro Midi ontrol 20 lux (1:0.5) 35 lux (1:0.5) socket (top) socket (bottom) [can be co	ilable in 50mA increments 50mA = 0250) & Kirium Pro1only]			0200 / 0250 / 0300 0350 / 0400 / 0450 0500 / 0550 / 0600 0650 / 0700 / 0750 0800 / 0850 / 0900 0950 / 1000 / 1050 FG RA 10 CF 29 RAL [specify] N U20 U35 E C3 B1 D2 Z4 Z4A	- FG 29
ight Output Drive currents from 2 Insert drive current v Glazing Toughened glass Polycarbonate [Kiriur Colour Finish RAL 9005 Black RAL 7046 Mid grey RAL 7035 Light grey Other RAL colour Control No connectivity or cc Miniature photocell – Miniature photocell – S-pin NEMA socket 5-pin NEMA socket 5-pin NEMA socket 7-pin NEMA socket 4-pin Zhaga Book 18 4-pin Zhaga Book 18 DMS	200mA to 1050mA are ava alue in 4-digit format (eg 2 m Pro Mini, Kirium Pro Midi ontrol 20 lux (1:0.5) 35 lux (1:0.5) socket (top) socket (bottom) [can be co	ilable in 50mA increments 50mA = 0250) & Kirium Pro 1 only]			0200 / 0250 / 0300 0350 / 0400 / 0450 0500 / 0550 / 0600 0650 / 0700 / 0750 0800 / 0850 / 0900 0950 / 1000 / 1050 FG RA 10 CF 29 RAL [specify] N U20 U35 E C3 B1 D2 Z4 Z4A	- FG 29
Light Output Drive currents from 2 Insert drive current v Glazing Toughened glass Polycarbonate [Kiriur Colour Finish RAL 9005 Black RAL 7046 Mid grey RAL 7035 Light grey Other RAL colour Control No connectivity or cc Miniature photocell - Giniature photocell - Giniature photocell - Giniature photocell - Giniature photocell - Gininter photocel	200mA to 1050mA are ava alue in 4-digit format (eg 2 m Pro Mini, Kirium Pro Midi ontrol 20 lux (1:0.5) 35 lux (1:0.5) socket (top) socket (top) socket (top and bottom)	ilable in 50mA increments 50mA = 0250) & Kirium Pro 1 only] 			0200 / 0250 / 0300 0350 / 0400 / 0450 0500 / 0550 / 0600 0650 / 0700 / 0750 0800 / 0850 / 0900 0950 / 1000 / 1050 FG RA 10 CF 29 RAL [specify] N U20 U35 E C3 B1 D2 Z4 Z4B	- FG 29
Light Output Drive currents from 2 Insert drive current v Glazing Toughened glass Polycarbonate [Kiriur Colour Finish RAL 9005 Black RAL 7046 Mid grey RAL 7035 Light grey Other RAL colour Control No connectivity or cc Miniature photocell - Miniature photocell - S-pin NEMA socket 6-pin NEMA socket 6-pin NEMA socket 7-pin NEMA socket 4-pin Zhaga Book 18 4-pin Zhaga Book 18 CMS Integral CMS - Urbar Integral CMS - Urbar	200mA to 1050mA are ava alue in 4-digit format (eg 2 m Pro Mini, Kirium Pro Midi 20 lux (1:0.5) 35 lux (1:0.5) 35 lux (1:0.5) socket (top) socket (top) socket (top and bottom) n Control (AC node with pu	illable in 50mA increments 50mA = 0250) & Kirium Pro 1 only] bombined with top NEMA on combined with top NEMA on cok antenna)			0200 / 0250 / 0300 0350 / 0400 / 0450 0500 / 0550 / 0600 0650 / 0700 / 0750 0800 / 0850 / 0900 0950 / 1000 / 1050 FG RA 10 CF 29 RAL [specify] I U20 U35 E C3 B1 D2 Z4 Z4B UAC	- FG 29
ight Output Drive currents from 2 Insert drive current v Glazing Toughened glass Polycarbonate [Kiriur Colour Finish RAL 9005 Black RAL 7046 Mid grey RAL 7035 Light grey Other RAL colour Control No connectivity or coc Miniature photocell - Miniature photocell - Gpin NEMA socket 6-pin NEMA socket 6-pin NEMA socket 7-pin NEMA socket 4-pin Zhaga Book 18 4-pin Zhaga Book 18 CMS Integral CMS - Urbar Integral CMS - Urbar Integral CMS - Telem	200mA to 1050mA are ava alue in 4-digit format (eg 2 m Pro Mini, Kirium Pro Midi 20 lux (1:0.5) 35 lux (1:0.5) 35 lux (1:0.5) socket (top) socket (toptom) [can be co socket (top and bottom) n Control (AC node with pu n Control (DC node with pu	illable in 50mA increments 50mA = 0250) & Kirium Pro 1 only] bombined with top NEMA on combined with top NEMA on cok antenna)			0200 / 0250 / 0300 0350 / 0400 / 0450 0500 / 0550 / 0600 0650 / 0700 / 0750 0800 / 0850 / 0900 0950 / 1000 / 1050 FG RA 10 CF 29 RAL [specify] I U20 U35 E C3 B1 D2 Z4 Z4B UAC UDC	- FG 29



IP66 | IK10 | CLASS | or CLASS ||

Key Features

Our most comprehensive range of high performance LED street lighting luminaires, available in five 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 metresKirium Pro Midi:(24 LEDs) for mounting at 4-8 metresKirium Pro 1:(8/16/24/32 LEDs) for mounting at 5-8 metresKirium Pro 2:(48/64 LEDs) for mounting at 6-10 metresKirium Pro 3:(80/96/128 LEDs) for mounting at 8-15 metres

Optical Control

Diamond+ A Optic:	Wide Road (A1 / A2 / A3 / A4 / A5)
Diamond+ B Optic:	Footpath (B1 / B2 / B3 / B4 / B5)
Diamond+ C Optic:	Area (C1 / C2 / C3 / C4 / C5)
Diamond+ D Optic:	Standard Road (D1 / D2 / D3 / D4 / D5)
Diamond+ Z Optic:	Pedestrian Crossing (ZL / ZR / ZF)

Lifetime

>100,000 hours L90 B10

Total Luminaire Lumens

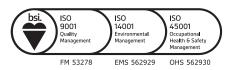
Kirium Pro Mini: 440 - 6,395 lm
Kirium Pro Midi: 2,535 - 10,640 lm
Kirium Pro 1: 915 - 13,840 lm
Kirium Pro 2: 5,025 - 27,390 lm
Kirium Pro 3: 7,930 - 51,940 lm

Colour Temperature

2700K			
3000K			
4000K			

Colour Rendering Index

70Ra





DW Windsor is part of the Luceco Group

Luminaire Efficacy

Up to 192 lm/W

Drive Current

200mA - 1050mA (in 50mA increments)

Mounting

Direct post: Ø60mm / Ø60 - 76mm

Side entry: Ø34 - 42mm / Ø60mm

Direct post/side entry inclination: $-15^{\circ} - 10^{\circ} - 5^{\circ} 0^{\circ} + 5^{\circ} + 10^{\circ} + 15^{\circ}$

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 (IK08) / 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

DW Windsor

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

DW Windsor is a Carbon Neutral company

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MADE IN BRITAIN

Due to continuous product development the details within this document are subject to change at any time. For the more up-to-date information please visit dwwindsor.com