KELLWOOD LIGHTING

CARBON TRUST ACCREDITED SUPPLIER Scottish Engineering UVDB Registered

- Enhanced thermal management heavy duty luminaires, ideal for application in high temperature industrial environments
- Ingress & impact resistant. Progressive, modular light-engine design featuring European long-life SMDs
- CE, RoHS, CB, ELT, & DLC international product marks
- The most competitive, high-end solution for projects worldwide

Parker 3 Series

High Temp High Bays & Floodlights

CDN:SPEC150REV2

EST. 1985

ENGINEERING

ELECTRICAL

LED LIGHTING

Technical Specifications Summary

Nominal Power / Product Class	100W	150W	200W	300W
Nominal Efficacy @ 4000K/5000K, CRI>70	140lm/W	140lm/W	140lm/W	140lm/W
Nominal Output @ 4000K/5000K, CRI>70	14,000lm	21,000lm	28,000lm	42,000lm
Light Engine & Model	Philips Lumileds	Philips Lumileds	Philips Lumileds	Philips Lumileds
Lumen Maintenance (TM21)	L70 ≥ 82,000Hrs	L70 ≥ 82,000Hrs	L70 ≥ 82,000Hrs	L70 ≥ 82,000Hrs
LM79 Test Conditions (Abrid.)	Maintained 25°C	Maintained 25°C	Maintained 25°C	Maintained 25°C
CCT	3000K, 4000K, 5000K, 6000K	3000K, 4000K, 5000K, 6000K	3000K, 4000K, 5000K, 6000K	3000K, 4000K, 5000K, 6000K
CRI	≥70Ra, ≥80Ra	≥70Ra, ≥80Ra	≥70Ra, ≥80Ra	≥70Ra, ≥80Ra
UGR	Contact Office	Contact Office	Contact Office	Contact Office
Lens(es)	Clear	Clear	Clear	Clear
Symmetric Distribution	90°, 110°, 150°	90°, 110°, 150°	90°, 110°, 150°	90°, 110°, 150°
Asymmetric Distribution / IESNA	30/100°, 60/100°, 1S, 2S, 2M	30/100°, 60/100°, 1S, 2S, 2M	30/100°, 60/100°, 1S, 2S, 2M	30/100°, 60/100°, 1S, 2S, 2M
Ingress Rating	IP66	IP66	IP66	IP66
Impact Resistance	IK10	IK10	IK10	IK10
Ambient Usage Tolerance	-30°C to 80°C	-30°C to 80°C	-30°C to 80°C	-30°C to 80°C
Ambient Storage Tolerance	-40°C to 80°C	-40°C to 80°C	-40°C to 80°C	-40°C to 80°C
Ambient Humidity Tolerance	15% to 90% RH	15% to 90% RH	15% to 90% RH	15% to 90% RH
PSU Manufacturer	Mean Well	Mean Well	Mean Well	Mean Well
PSU Advanced Data	Contact Office	Contact Office	Contact Office	Contact Office
Input Voltage	220-240VAC	220-240VAC	220-240VAC	220-240VAC
Input Frequency	50-60Hz	50-60Hz	50-60Hz	50-60Hz
Power Factor	≥0.95	≥0.95	≥0.95	≥0.95
THD	<15%	<15%	<15%	<15%
Product Dimensions (LxWxH)	330 x 365 x 224mm	435 x 365 x 224mm	540 x 365 x 224mm	750 x 365 x 224mm
Cable Dimensions (L)	1000mm	1000mm	1000mm	1000mm
Fixture Weight	9.35kg	10.7kg	12.05kg	20.85kg
Fixture Primary Materials (s)	Aluminium Alloy	Aluminium Alloy	Aluminium Alloy	Aluminium Alloy
Fixture Finish	Painted	Painted	Painted	Painted

Underline (all pages) = supplied as standard

All stated values should be considered indicative only. Technical data is provided from sample luminaires and construction components as assessed by OEM(s) under industry-standard, laboratory conditions. In practice, stated values can vary. Kellwood LED Lighting operates a policy of continual product improvement. Our luminaires' capabilities are regularly enhanced to outperform in-class market alternatives. Please contact our technical team directly for clarifications prior to purchase. All images depicted should be considered indicative only. Stated product warranty periods do not include associated labour costs. Stated product warranty periods are for UK projects only. For international projects, please contact our offices directly. Optional upgrades can often affect or supersede unit technical parameters, capabilities, and warranties. It is the responsibility of the purchasing authority to ensure selected hardware is suitable for application. For further documentation, including Returns Policy and Conditions of Unit Failure, please contact our offices. Hazardous area documentation (eg. ATEX) are issued to OEM codes. WEEE compliance reference code: WEE/MP3838PR/SCH. Please do not look directly at LED lighting products during operation.

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Technical Specifications Summary

Nominal Power / Product Class	450W
Nominal Efficacy @ 4000K/5000K, CRI>70	140lm/W
Nominal Output @ 4000K/5000K, CRI>70	63,000lm
Light Engine & Model	Philips Lumileds
Lumen Maintenance (TM21)	L70 ≥ 82,000Hrs
LM79 Test Conditions (Abrid.)	Maintained 25°C
CCT	3000K, 4000K, 5000K, 6000K
CRI	≥70Ra, ≥80Ra
UGR	Contact Office
Lens(es)	Clear
Symmetric Distribution	90°, 110°, 150°
Asymmetric Distribution / IESNA	30/100°, 60/100°, 1S, 2S, 2M
Ingress Rating	IP66
Impact Resistance	IK10
Ambient Usage Tolerance	-30°C to 80°C
Ambient Storage Tolerance	-40°C to 80°C
Ambient Humidity Tolerance	15% to 90% RH
PSU Manufacturer	Mean Well
PSU Advanced Data	Contact Office
Input Voltage	220-240VAC
Input Frequency	50-60Hz
Power Factor	≥0.95
THD	<15%
Product Dimensions (LxWxH)	1065 x 365 x 224mm
Cable Dimensions (L)	1000mm
Fixture Weight	29.95kg
Fixture Primary Materials (s)	Aluminium Alloy
Fixture Finish	Painted
Lens(es) Materials	Polycarbonate

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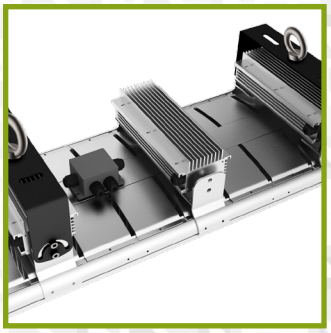
Features Summary

Mounting Options
Universal bracket, universal bracket with 360˚ rotation, slip fit, twin surface mount brackets, eye bolt, twin eye bolts and wall mount available

Fitting Colouration
Black, Silver, & custom fitting colouration - Custom colouration available subject to MOQ

Flexible Optics
Racking-specific, open-area, street lighting & floodlight dispersion patterns available

IP68 Barrel Connector
Temperature-resistant, 13A, TUV-rated, ingress-resistant connector with optional length of three core flex



Uprated Thermal Management
Driver electronics are thermally protected by dedicated aluminium heat sinks

Stainless Steel Components
Exposed metal fixtures are fabricated from 304 stainless steel

WAGO Connectors
Internal connections use premium WAGO connectors for reliability

Safety Wire & Carabiner
Additional safety-feature

DALI / 1-10V
Intelligent operation compatibility - dimming, photocells, occupancy...

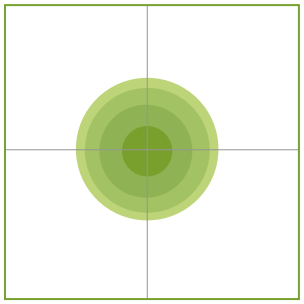
Complimentary Series
Parker series complements Kellwood's Forsyth series. Similar control & emergency upgrades are available - subject to thermal tolerance considerations.
Please contact the office for further details

Please note - images shown are intended to be illustrative only. For exact data, please refer to specific product photometry, available for download from our website.

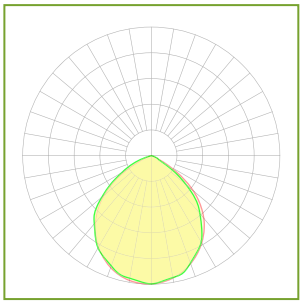
Indicative Product Photometry

90° Optic

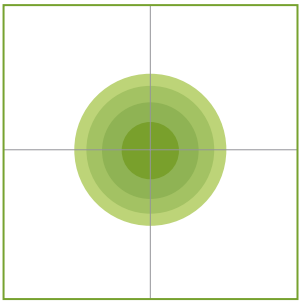
ISOLUX DIAGRAM

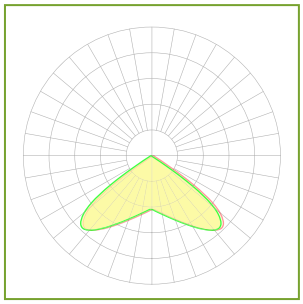


POLAR DIAGRAM

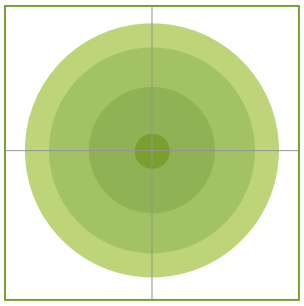


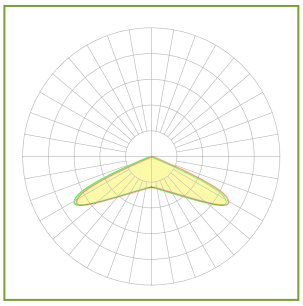
110° Optic



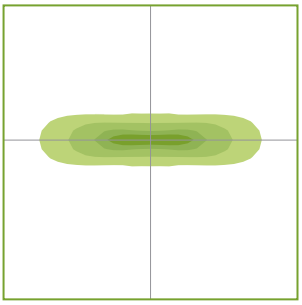


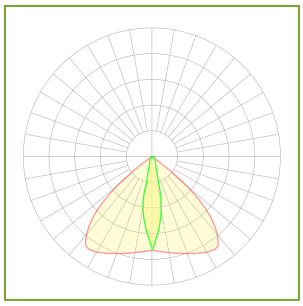
150° Optic



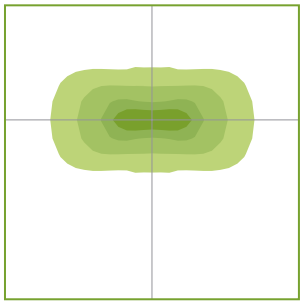


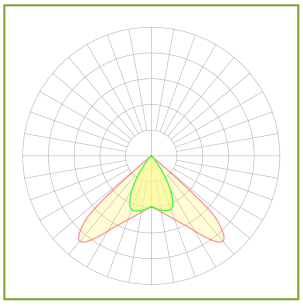
A1 Optic



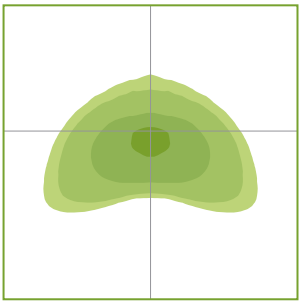


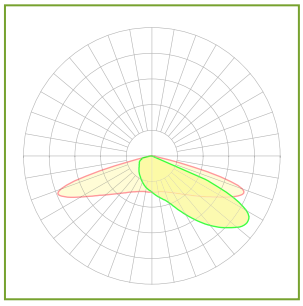
A2 Optic



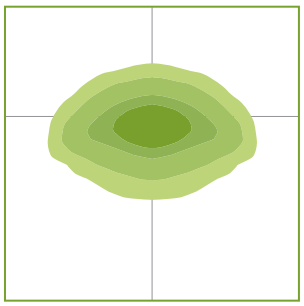


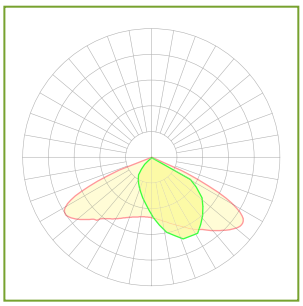
IESNA Type 1S



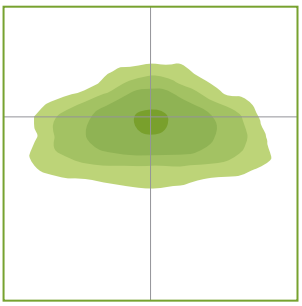


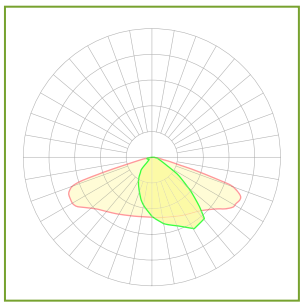
IESNA Type 2S





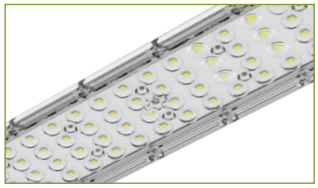
IESNA Type 2M





Diffusers

This series is available with the following diffusers. Each diffuser will have a varying effect on photometric distribution and intensity.
Please refer to downloadable photometrics for exact data.



Clear Optic (Various Beam Angles)

Colourations on isolux diagrams are qualitative, i.e. the same colour on any two isolux diagrams will not necessarily have the same lux value.

Standard product code fields are presented as:
Further customisation may be available - please contact us if required

Product Ordering Codes

PRODUCT	POWER	CRI & CCT	OPTIC	DRIVER	MOUNTING	COLOUR	MODIFICATIONS
PAR3	**100** 100W	**730** CRI >70, 3000K	**90** 90° CIRCULAR	**D1** NON-DIM	**UB²** UNIVERSAL BRACKET	**GR** GREY (RAL 7045)	**PH1** PHOTOCELL
	150 150W	**740** CRI >70, 4000K	**110** 110° CIRCULAR	**D2** 1-10V	**UE** UNIVERSAL BRACKET (360° ROTATION)	**BL¹** BLACK (RAL 9011)	**M1** MICROWAVE SENSOR 1
	200 200W	**750** CRI >70, 5000K	**150** 150° CIRCULAR	**D3** DALI	**SF** SLIP FIT		**M2** MICROWAVE SENSOR (REMOTE CONTROL)
	300 300W	**760** CRI >70, 6000K	**1S** IESNA TYPE 1S		**TM** TWIN SURFACE MOUNT BRACKETS		**P1** PIR SENSOR 1
	450 450W	**840** CRI >80, 4000K	**2S** IESNA TYPE 2S		**EB** EYE BOLT		**CR** CORROSION RESISTANT FINISH
		850 CRI >80, 5000K	**2M** IESNA TYPE 2M		**TE** TWIN EYE BOLTS		**WG** WIRE GRILL
		860 CRI >80, 6000K	**A1** 30X100° RECTANGULAR		**WM** WALL MOUNT		
			A2 60X100° RECTANGULAR				

[1] MOQ 100 pieces - end caps and bracket only
[2] Universal Bracket (mounting code "UB") has restricted rotations when mounted on a solid surface: 100W=±60°, 150W = ±45°, and 200W = ±20°. 300W, and 450W not available with UB mount. Specify the Extended Universal Bracket (mounting code "UE") to allow for unrestricted rotation, e.g. wall mounting while facing directly at the ground.

NOTES:
1. IF PRODUCT IS CUSTOMISED, CODES WILL BE ALTERED TO REFLECT CUSTOMISATION.

2. IF MORE THAN ONE CONFIGURABLE OPTION IS REQUIRED, SEPARATE OPTIONS WITH HYPHENS.

3. PLEASE ENSURE SELECTION OF COMPATIBLE DRIVER FOR OCCUPANCY SENSORS WITH DIMMING FUNCTIONALITY.

4. PLEASE NOTE THAT CONFIGURABLE OPTIONS WHICH AFFECT LIGHT OUTPUT WILL BE IDENTIFIED IN PHOTOMETRIC FILES AS "+ (CONFIGURABLE OPTION)".

Product Ordering Code Examples:
PAR3-150-750-90-D1-UE
PAR3-100-860-110-D2-TM-CR-WG

DRIVER MANUFACTURER			
POWER	**D1**	**D2**	**D3**
100 100W	**Mean Well**	**Mean Well**	**Inventronics**
150 150W	**Mean Well**	**Mean Well**	**Inventronics**
200 200W	**Mean Well**	**Mean Well**	**Inventronics**
300 300W	**Mean Well**	**Mean Well**	**Inventronics**
450 450W	**Mean Well**	**Mean Well**	**Inventronics**

CONTACT OUR OFFICE FOR FURTHER INFORMATION ON DRIVER PARAMETERS

ACCESSORIES
JB1 IP68 13A IN-LINE CONNECTOR
JB1-(LENGTH IN METRES) IP68 13A IN-LINE CONNECTOR WITH CABLE TO REQUESTED LENGTH