



Specialist sports lighting hardware for application on internal sports area applications.

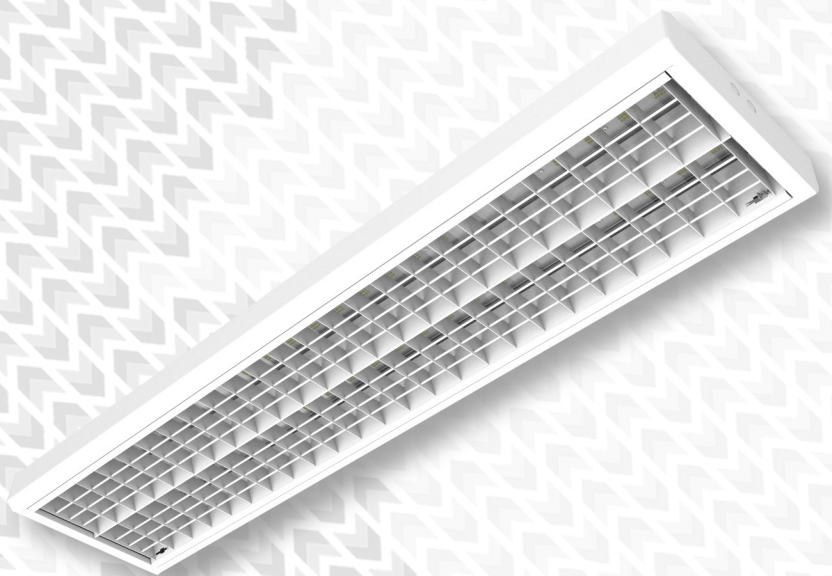
Certified ball-impact resistance under DIN 18032-3 certification.

100-200W series power range - IK10 impact resistant  
->120lm/W family efficacy - emergency controls, & wireless light controls options available

CE & RoHS international product marks

**Arran Series**

**Linear Sports Luminaires**



CDN:SPEC184REV0

# Technical Specifications Summary



## Performance Summary:

<b>Code (Series-Wattage/Size)</b>	ARR-100	ARR-150	ARR-200
<b>Nominal Power</b>	100W	150W	200W
<b>Luminaire Efficacy @ CRI&gt;80, 4000K CCT</b>	129lm/W	128lm/W	121lm/W
<b>Lumen Output @ CRI&gt;80, 4000K CCT</b>	12,900lm	18,750lm	24,200lm
<b>Lumen Maintenance</b>	L80B10 ≥80,000 hours		
<b>Certification</b>	CE, RoHS		
<b>Product Warranty</b>	5 Years		

## Light Source and Photometric Parameters:

<b>Light Emission</b>	Direct		
<b>CCT</b>	3000K, 4000K, 5000K, 6500K		
<b>CRI</b>	≥80		
<b>SDCM</b>	<5, (<3 optional)		
<b>Diffusers</b>	Clear		
<b>Symmetric Light Distribution</b>	90°		
<b>Typical UGR<sup>1</sup></b>	<19	<20	<22

## Electrical Parameters<sup>2</sup>:

<b>System Operating Power</b>	100W	150W	200W
<b>System Power Factor</b>	>0.93		
<b>Input Voltage</b>	220-240VAC		
<b>Input Frequency</b>	50-60Hz		
<b>THD</b>	<20% (220-240VAC)		

## Environmental Parameters:

<b>IP Rating</b>	IP40		
<b>IK Rating</b>	IK10		
<b>Ambient Usage Tolerance</b>	-20°C to 40°C		
<b>Ambient Storage Tolerance</b>	-40°C to 85°C		
<b>Ambient Humidity Tolerance</b>	15% to 90% RH		

## Physical/Mechanical Parameters:

<b>Product Dimensions: LxWxH (mm)</b>	1530 x 360 x 93mm		
<b>Fixture Weight<sup>3</sup></b>	11.5kg		
<b>Lens(es) Materials</b>	UV Stabilised PMMA recessed behind protective grill		

## Dimming/Controls Parameters:

<b>Dimming Options</b>	DALI		
<b>Compatible intelligent lighting systems</b>	Wireless Controls and Monitoring		

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Code (Series-Wattage/Size)	ARR-100	ARR-150	ARR-200
<b>Options/Accessories:</b>			
<b>Mounting Styles</b>	Surface mounted, cable suspended		
<b>Miscellaneous Accessories</b>	Emergency		
<b>Available Product Colours</b>	White		

<sup>1</sup> UGR varies with light distribution. For further details contact our office

<sup>2</sup> Electrical Parameter data is for D1 drivers, unless otherwise stated

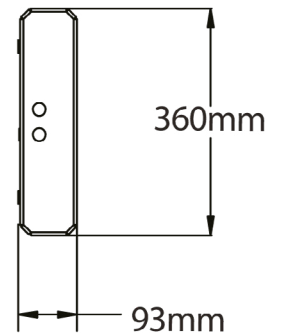
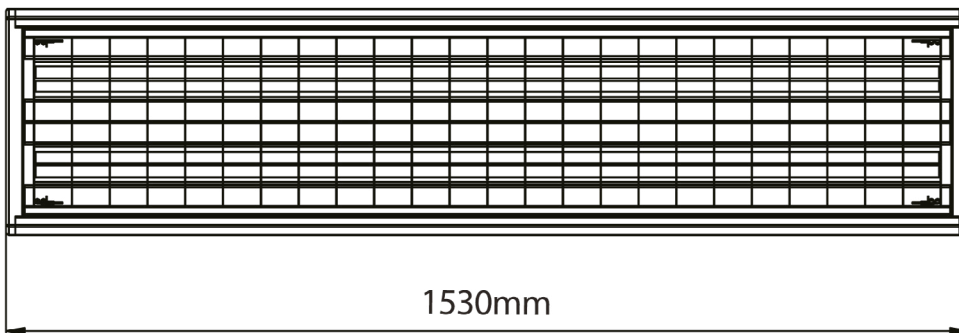
<sup>3</sup> Excludes bracketry. Refer to the Packaging Weights & Dimensions data sheet for bracketry and accessory weights

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 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.

This datasheet & corresponding certification should be reviewed by a competent person to ensure project suitability.

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## Dimension





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	MODIFICATIONS
<b>ARR</b>	<b>100</b> 100W	<b>830</b> CRI >80, 3000K	<b>90</b> 90° OPTIC	<b>D1</b> NON-DIM	<b>SM</b> SURFACE MOUNTING	<b>LI</b> LINKABLE VARIANT
	<b>150</b> 150W	<b>840</b> CRI >80, 4000K		<b>D2</b> 1-10V	<b>CS</b> CABLE SUSPENSION MOUNTING	<b>E3R1</b> INTEGRATED 3 HOUR MAINTAINED EMERGENCY (REMOTE TEST)
	<b>200</b> 200W	<b>850</b> CRI >80, 5000K		<b>D3</b> DALI		<b>SD3</b> SDCM<3
		<b>865</b> CRI >80, 6500K				

### Product Ordering Code Examples:

**ARR-100-840-90-D1-SM**

**ARR-200-850-90-D3-CS-LI**

CONTACT OUR OFFICE FOR FURTHER INFORMATION ON DRIVER PARAMETERS

### GENERAL NOTES:

1. IF MORE THAN ONE MODIFICATION IS REQUIRED, SEPARATE EACH MODIFICATION WITH A HYPHEN AT THE END OF THE PRODUCT CODE
2. PLEASE ENSURE SELECTION OF COMPATIBLE DRIVER FOR OCCUPANCY SENSORS WITH DIMMING FUNCTIONALITY
3. PLEASE NOTE THAT MODIFICATIONS WHICH AFFECT LIGHT OUTPUT HAVE SEPARATE PHOTOMETRIC FILES IDENTIFIED WITH "...+(MODIFICATION)"
4. ALTERNATIVE DRIVERS MAY BE AVAILABLE - PLEASE CONTACT OUR OFFICE FOR FURTHER DETAILS
5. IF PRODUCT IS CUSTOMISED, CODES WILL BE ALTERED AS NECESSARY

