



Market-leading, industrial & commercial, non-corrosive style linear light fittings - Developed for advanced manufacturing, warehousing, workshop, & production facilities

25W-63W series power range - 4ft-5ft
- IK08 impact & IP65 ingress resistance
- >160lm/W family efficacy - Wide dispersion, general-purpose optics
- Integrated, standalone, & wireless network, intelligent control options available

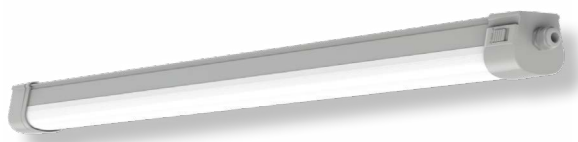
CE, RoHS,
international product marks



Nairn 2 Series *General-Usage Linear Fitting*

CDN:SPEC208REV0

Technical Specifications Summary



Performance Summary:

Code (Series-Wattage/Size)	NAI2-PA45D				NAI2-PA63A			
Nominal Power	25W	32W	38W	45W	35W	44W	53W	63W
Luminaire Efficacy @ CRI>80, 5000K CCT	160lm/W							
Lumen Output @ CRI>80, 5000K CCT	4,000lm	5,120lm	6,080lm	7,200lm	5,600lm	7,040lm	8,480lm	10,080lm
Lumen Maintenance (TM21 Calculated)	L80B10 ≥102,000 hours @ Ta 25°C							
Certification	CE, RoHS							
Product Warranty	5 Years							

Light Source and Photometric Parameters:

Chip Brand, Model, & Size	Jufei 2835							
Light Emission	Direct							
CCT	5000K, (3000K, 4000K, 6500K optional)							
CRI	≥80Ra, (≥90Ra optional)							
SDCM	<3							
Diffusers	Frosted							
Symmetric Light Distribution	120°							

Electrical Parameters:

System Operating Power	25W	32W	38W	45W	35W	44W	53W	63W
Driver Brand	Lifud							
Input Voltage	220-240VAC							
Input Frequency	50-60Hz							
Qty of Drivers per Light	1							
Power Factor	>0.9							
THD	<20% (220-240VAC)							
Insulation Class	Class I							

Environmental Parameters¹:

IP Rating	IP65							
IK Rating	IK08							
Ambient Usage Tolerance	-20°C to 40°C							

Physical/Mechanical Parameters:

Product Dimensions: LxWxH (mm)	1200 x 80 x 74	1500 x 80 x 74
Electrical Connection	Terminal Block	
Fixture Weight ²	1.38kg	1.64kg
Fixture Primary Material(s)	UV Stabilised Polycarbonate	
Lens(es) Materials	UV Stabilised Polycarbonate	



Technical Specifications Summary

Code (Series-Wattage/Size)	NAI2-PA45D	NAI2-PA63A
Dimming/Controls Parameters:		
Dimming Options	1-10V, DALI	
Compatible intelligent lighting systems	Wireless Controls and Monitoring	
Options/Accessories:		
Mounting Styles	Twin Surface/Trunking Brackets, Cable Suspension	
Available Product Colours	Grey (RAL7035)	

¹ Details are for D1 non-dimming driver. Refer to alternative driver data sheets for their details

² 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.

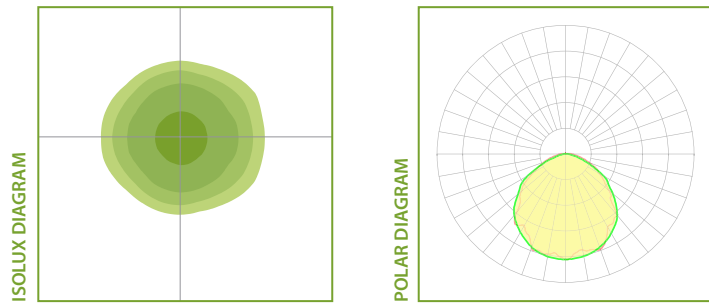
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Please note - images shown are intended to be illustrative only. For exact data, please refer to specific product photometry, available for download from our website.

◀ Indicative Product Photometry

120° Optic ▶▶



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.



Frosted Diffuser

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
NAI2	PA45D 25W, 32W, 38W, 45W 1200mm	830 CRI >80, 3000K	FR FROSTED DIFFUSER	D1 NON-DIM	TM TWIN SURFACE MOUNT	GR GREY
	PA63A 35W, 44W, 53W, 63W 1500mm	840 CRI >80, 4000K		D3 DALI	CS CABLE SUSPENSION	
	850 CRI >80, 5000K					
	865 CRI >80, 6500K					
	930 CRI >90, 3000K					
	940 CRI >90, 4000K					
	950 CRI >90, 5000K					
	965 CRI >90, 6500K					

Product Ordering Code Examples:

NAI2-PA45D-850-FR-D1-TM-GR

NAI2-PA63A-965-FR-D3-CS-GR

DRIVER MANUFACTURER		
POWER	D1	D3
PA45D 25W, 32W, 38W, 45W 1200mm	Lifud	BOKE
PA63A 35W, 44W, 53W, 63W 1500mm	Lifud	BOKE

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

CONTACT OUR OFFICE FOR FURTHER INFORMATION ON DRIVER PARAMETERS

