

Direct & indirect light source, infinity linear lighting - Performance & form-focused, architectural lights, designed for advanced, low-glare projects throughout office, retail, hospitality & commercial environments

Wire suspension & wall mounting application suitable - 28W, 56W, & 75W unit power classes - 2ft, 4ft, & 5ft, fitting lengths - >90lm/W family efficacy - User-friendly distribution through twin frosted PC diffusers - Retail-standard colour rendering capabilities - Wide dispersion, general-purpose optics - 30%-70%, up-down output ratio

CE RoHS
international product marks



Blackwell Series **Direct-Indirect, Infinity Linear Lights**

CDN:SPEC92REV8

Technical Specifications Summary



Performance Summary:

Code (Series-Wattage/Size)	BLA-28B	BLA-56D	BLA-75A
Nominal Power	28W	56W	75W
Luminaire Efficacy @ CRI>80, 3000K CCT	96lm/W	97lm/W	88lm/W
Lumen Output @ CRI>80, 3000K CCT	2,688lm	5,432lm	6,600lm
Lumen Maintenance (TM21 Reported)	L7050≥50,000 hours		
Certification	CE, RoHS		
Product Warranty	5 Years		

Light Source and Photometric Parameters:

Chip Brand, Model, & Size	Epistar 2835
Light Emission	Direct
CCT	3000K, (4000K, 5000K optional)
CRI	≥80
Diffusers	Frosted
Symmetric Light Distribution	110°

Electrical Parameters¹:

System Operating Power	28W	56W	75W
Driver Brand	Osram		
Driver Model	Optotronic Fit D LT2 L		
System Power Factor	>0.95		
Typical Driver Lifetime	100,000 hours @ Tc 65°C		
Input Voltage	220-240VAC		
Input Frequency	50-60Hz		
Power Factor	>0.9		
THD	<10% (220-240VAC)		
Insulation Class	I		

Environmental Parameters:

IP Rating	IP40
Ambient Usage Tolerance	-20°C to 40°C
Ambient Storage Tolerance	-30°C to 50°C
Ambient Humidity Tolerance	20% to 80% RH

Physical/Mechanical Parameters:

Product Dimensions: LxWxH (mm)	607 x 110 x 70	1207 x 110 x 70	1507 x 110 x 70
Fixture Weight ²	1.22kg	2.21kg	2.58kg
Fixture Primary Material(s)	6063 Aluminium Alloy		
Fixture Finish	Anodised-Painted		
Lens(es) Materials	UV Stabilised PMMA		

◀ Technical Specifications Summary

Code (Series-Wattage/Size)	BLA-28B	BLA-56D	BLA-75A
Dimming/Controls Parameters:			
Dimming Options	DALI		
Compatible intelligent lighting systems	Wireless Controls and Monitoring		
Options/Accessories:			
Mounting Styles	Wall Mount, Cable Suspension		
Miscellaneous Accessories	In-Line Connector		
Available Product Colours	White, Grey, Black		

¹ Electrical Parameter data is for D1 drivers, unless otherwise stated

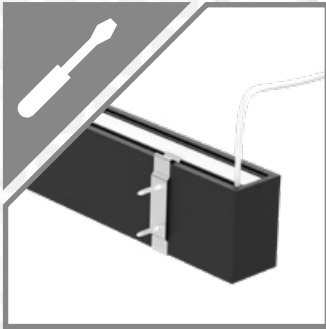
² Excludes bracketry. Refer to the Packaging Weights & Dimensions data sheet for bracketry and accessory weights

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.

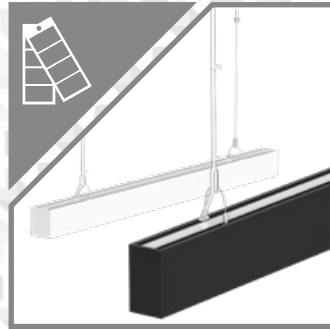
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Features Summary



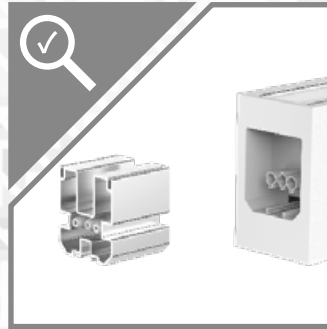
Mounting Options

Wire suspension or wall mount brackets



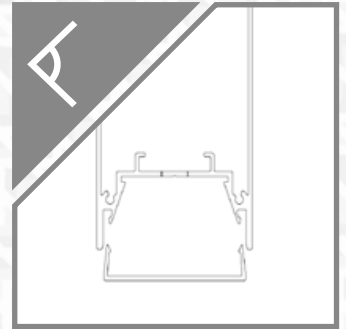
Optional Fitting Colours

White, Black and Silver, custom (subject to MOQ)



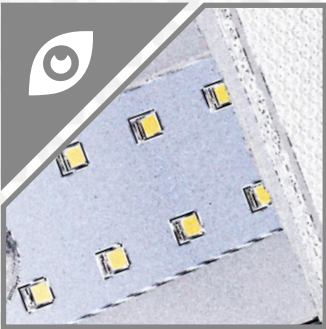
Connectors

In-built quick connection system - Maximum 550W per run



Distribution

Extrusion accommodates upward and downward facing PCBs, offering 70%-30% up-down light output. General-purpose symmetrical dispersion pattern suitable for most applications



Glare Reduction

Recessed light source reduces horizontal glare & maximises diffuser effectiveness



Diffusers Style

Frosted reduced-glare PC diffusers



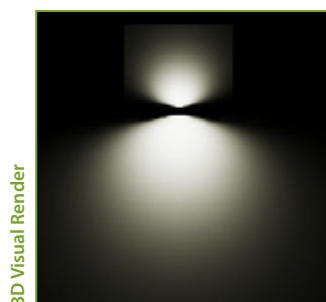
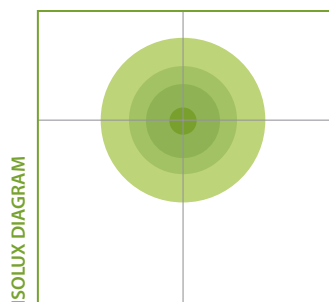
Driver Protocols

Non-dimming Osram drivers as standard

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.

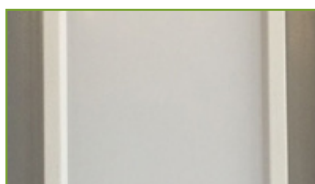
◀ Indicative Product Photometry

110° Up-Down 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

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	COLOUR	RUN TYPE	CORES ²
BLA	75A 75W, 5FT	830 CRI >80, 3000K	FR FROSTED DIFFUSER	D1 NON-DIM	WH WHITE	ST¹ START	3C COMPATIBLE WITH 3 CORE VAC INPUT
	28B 28W, 2FT	840 CRI >80, 4000K		D3³ DALI	BK BLACK	MI MID-RUN	
	56D 56W, 4FT	850 CRI >80, 5000K			SI SILVER	EN END	
						IN INDIVIDUAL	

¹ THE MAXIMUM CONTINUOUS CONNECTION FOR ONE RUN IS 550W

² RUNS MUST BE ORDERED WITH THE SAME CORE COMPATIBILITY AS THE VAC INPUT

³ LUMINAIRES WITH DALI DRIVERS MUST BE ORDERED AS INDIVIDUAL LIGHTS

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

DRIVER MANUFACTURER

POWER	D1	D2	D3
70A 70W, 5FT	Osram OPTOTRONIC	Contact Office	Contact Office
56D 56W, 4FT	Osram OPTOTRONIC	Contact Office	Contact Office
28B 28W, 2FT	Osram OPTOTRONIC	Contact Office	Contact Office

CONTACT OUR OFFICE FOR FURTHER INFORMATION ON DRIVER PARAMETERS

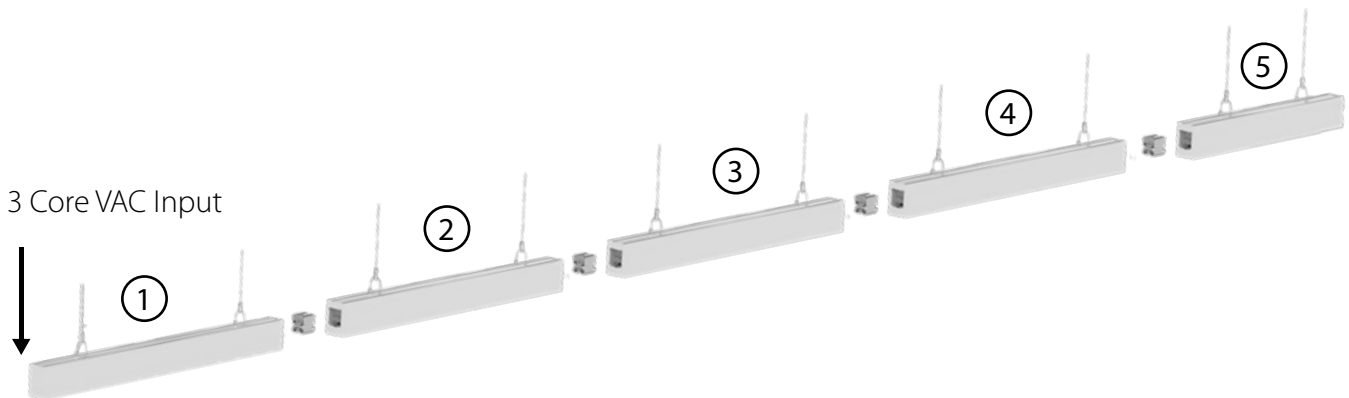
ACCESSORIES

BLA-CON¹ IN-LINE CONNECTOR
BLA-CS CABLE SUSPENSION SET
BLA-WM WALL MOUNT BRACKET SET

Product ordering code examples are on the next page.



◀ Example Run



	1	2	3	4	5
SERIES	BLACKWELL	BLACKWELL	BLACKWELL	BLACKWELL	BLACKWELL
POWER SIZE	56W, 4FT	56W, 4FT	56W, 4FT	56W, 4FT	28W, 2FT
CRI & CCT	CRI>80 4000K	CRI>80 4000K	CRI>80 4000K	CRI>80 4000K	CRI>80 4000K
OPTIC	FROSTED 110°	FROSTED 110°	FROSTED 110°	FROSTED 110°	FROSTED 110°
DRIVER	OSRAM NON-DIMMING	OSRAM NON-DIMMING	OSRAM NON-DIMMING	OSRAM NON-DIMMING	OSRAM NON-DIMMING
COLOUR	WHITE	WHITE	WHITE	WHITE	WHITE
RUN TYPE	START	MIDDLE	MIDDLE	MIDDLE	END
CORES	3 CORE	3 CORE	3 CORE	3 CORE	3 CORE
MODIFICATIONS	NONE	NONE	NONE	NONE	NONE
PRODUCT CODES	BLA-56D-840-FR-D1-WH-ST-3C	BLA-56D-840-FR-D1-WH-MI-3C	BLA-56D-840-FR-D1-WH-MI-3C	BLA-56D-840-FR-D1-WH-MI-3C	BLA-28B-840-FR-D1-WH-EN-3C