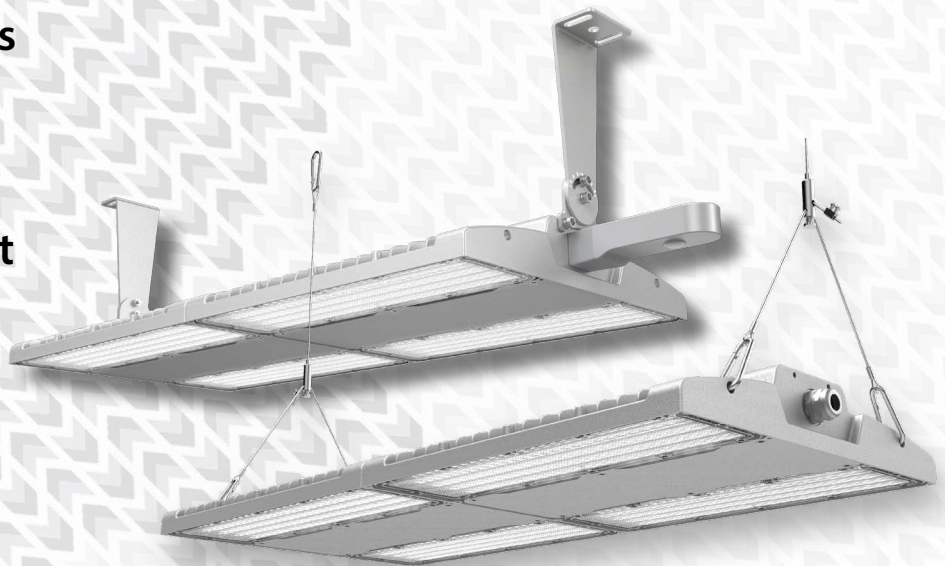




Multi-purpose,
industrial lighting
hardware,
developed for
specification in warehouses,
factories, workshops,
production areas, and sports
halls

100-480W series power
range - IK10 impact resistant
- >155lm/W family efficacy -
emergency controls, &
wireless light controls
options available

CE & RoHS
international product marks



Lennox Series

Versatile Low-Glare Linear High & Low Bays

CDN:SPEC190REV4

Technical Specifications Summary



Performance Summary:

Code (Series-Wattage/Size)	LEN-100A	LEN-150A	LEN-100B	LEN-150B	LEN-200B	LEN-240B	LEN-300 B	LEN-400C	LEN-480C
Nominal Power	100W	150W	100W	150W	200W	240W	300W	400W	480W
Luminaire Efficacy @ CRI>70, 5000K CCT	155lm/W								
Lumen Output @ CRI>70, 5000K CCT	15,500lm	23,250lm	15,500lm	23,250lm	31,000lm	37,200lm	46,500lm	62,000lm	74,400lm
Chip Lumen Maintenance	L80B50 ≥82,000 hours @ Ta 25°C								
Certification	CE, RoHS								
Product Warranty	5 Years								

Light Source and Photometric Parameters:

Chip Brand, Model, & Size	Seoul 3030								
Light Emission	Direct								
CCT	3000K, 4000K, 5000K								
CRI	≥70 ,(≥80 optional)								
Diffusers	Clear Dotted Circular, Clear Dotted Striped								
Symmetric Light Distribution	60°, 90°, 110°								
Asymmetric Light Distribution	A1 (25° x 85°), A2 (60° x 100°), A3 (80° x 100°)								

Electrical Parameters¹:

System Operating Power	100W	150W	100W	150W	200W	240W	300W	400W	480W
Driver Brand	Sosen								
Input Voltage	220-240VAC								
Input Frequency	50-60Hz								
Power Factor	>0.90								
Surge Protection/Fusing	6kV line-line, 10kV line-earth								

Environmental Parameters:

IP Rating	IP66 (IP65 for sensor and emergency variants)								
IK Rating	IK10								
Ambient Usage Tolerance	-30°C to 50°C								
Ambient Storage Tolerance	-30°C to 50°C								
Ambient Humidity Tolerance	15% to 90% RH								

Physical/Mechanical Parameters:

Product Dimensions: LxWxH (mm)	340 x 325 x 60			680 x 325 x 60			1020 x 325 x 60		
Qty of Modules	2			4			6		
Fixture Weight ²	3.5kg	3.7kg	6.7kg	6.7kg	6.7kg	6.8kg	7.8kg	10.7kg	11.1kg
Fixture Primary Material(s)	Aluminium Alloy								
Fixture Finish	Powder Coated								
Lens(es) Materials	UV Stabilised Polycarbonate								



◀ Technical Specifications Summary

Code (Series-Wattage/Size)	LEN-100A	LEN-150A	LEN-100B	LEN-150B	LEN-200B	LEN-240B	LEN-300B	LEN-400C	LEN-480C
Dimming/Controls Parameters:									
Dimming Options	1-10V, DALI, DALI2 D4i								
Built-in Controls	Smart Controls, Emergency								
Compatible intelligent lighting systems	Wireless Controls and Monitoring								
Options/Accessories:									
Mounting Styles	Cable Suspended, Chain Suspended, Twin Surface Mount Brackets, Twin Adjustable Angle Brackets (±60°)								
Available Product Colours	Grey								

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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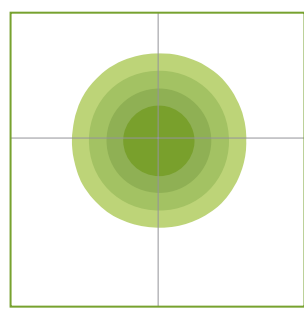
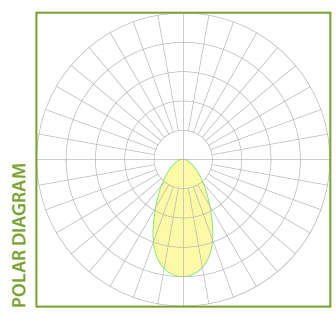
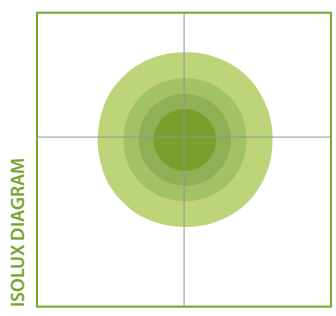




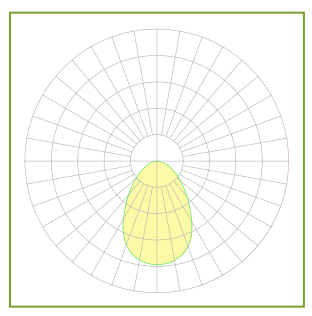
Please note - images shown are intended to be illustrative only. For exact data, please refer to specific product photometry, available for download from our website.

Indicative Product Photometry

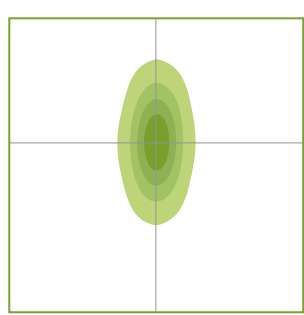
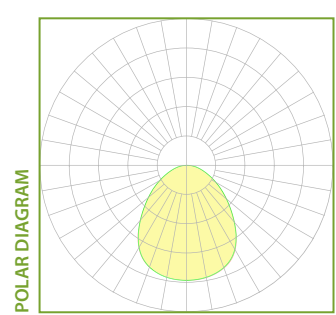
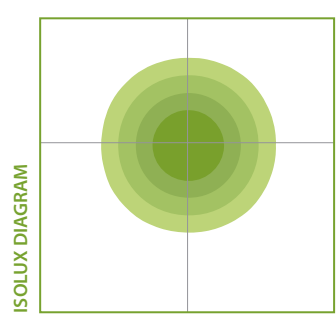
60° Optic



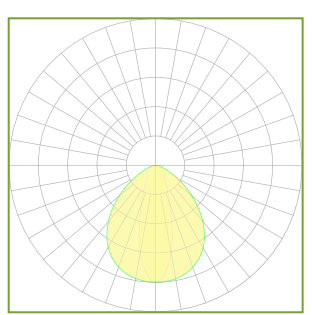
90° Optic



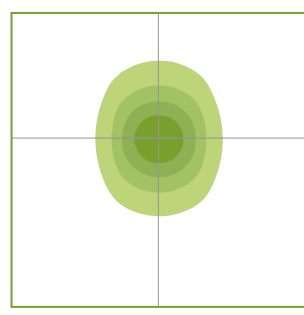
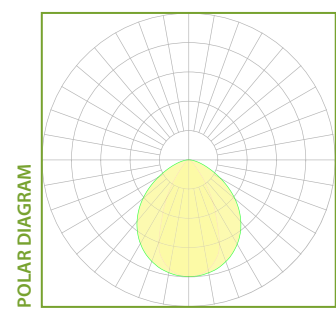
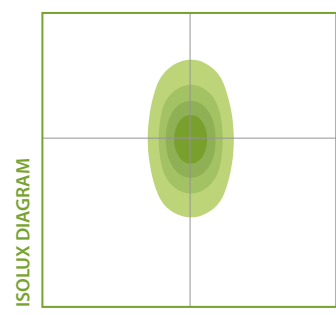
110° Optic



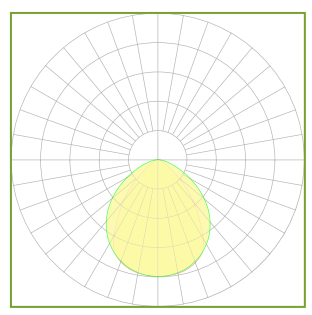
A1 Optic



A2 Optic



A3 Optic

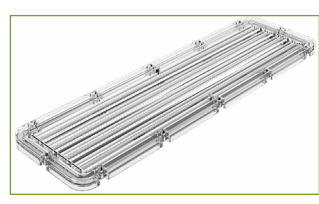


Diffusers

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.

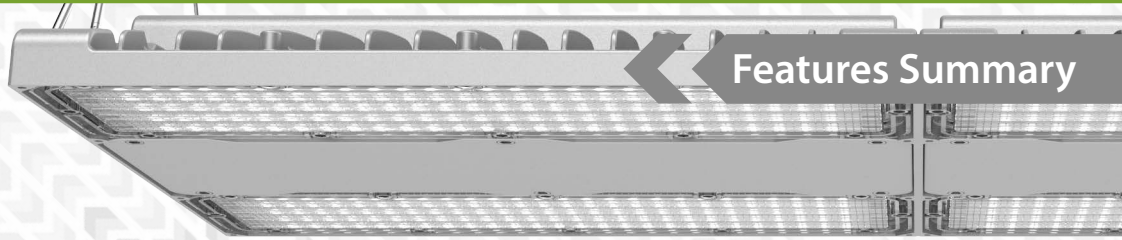


Dotted Diffuser (Symmetric Optics)



Dotted Stripped Diffuser (Asymmetric Optics)



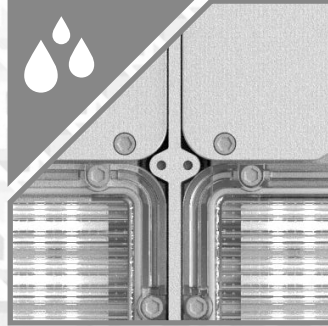


Features Summary



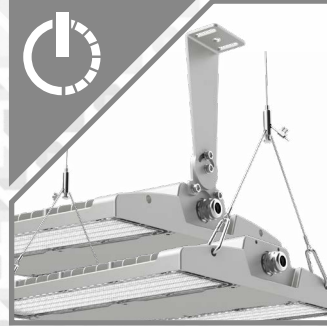
Impact Protection

IK10 protection



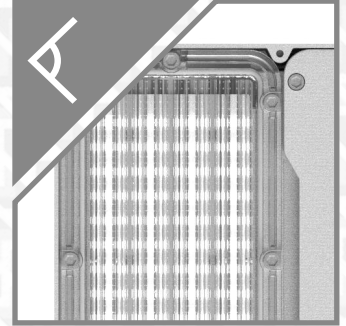
Environmental Protection

IP66 rated



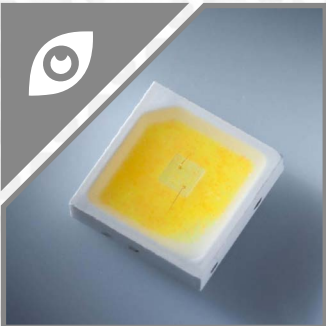
Mounting Options

Cable suspension, twin surface mount brackets, twin adjustable angle brackets are available.



Optical Distribution

General purpose asymmetric/symmetric dispersion pattern suitable for most applications



Chip Type

Seoul 3030



Dimmable Options

DALI available



Sensor(s)

Integrated, standalone (single or multiple luminaires per sensor options). Ingress protection of fitting may reduce subject to integrated controls.



Emergency Operation

3 hours, maintained, remote testing

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	MODIFICATION
LEN	100A 100W SINGLE MODULE	730 CRI >70, 3000K	60 60° CIRCULAR	D1 NON-DIM	CS CABLE SUSPENSION	SL SILVER	M1¹ 15M EXTERNAL MICROWAVE SENSOR
	150A 150W SINGLE MODULE	740 CRI >80, 4000K	90 90° CIRCULAR	D2 1-10V	TM TWIN SURFACE MOUNT BRACKETS	SL2 CS MARINE GRADE ANTI-CORROSION TREATMENT	M2¹ 12M PLUG & PLAY MICROWAVE SENSOR
	100B 100W TWIN MODULE	750 CRI >70, 5000K	110 110° CIRCULAR	D3 DALI	AB TWIN ADJUSTABLE ANGLE BRACKETS ±60°		M3¹ 15M PLUG & PLAY MICROWAVE SENSOR
	150B 150W TWIN MODULE	830 CRI >80, 3000K	A1 25x85° RECTANGULAR	D4 NON-DIM	CH CHAIN AND HOOK SUSPENSION		S2A² 10M PIR SENSOR AND WIRELESS COMMUNICATION
	200B 200W TWIN MODULE	840 CRI >80, 4000K	A2 60x100° RECTANGULAR	D6 DALI2 D4i			S2B² 10M PIR SENSOR AND WIRELESS COMMUNICATION C/W DAYLIGHT SENSOR AND (OPTIONAL) EMERGENCY MONITORING
	240B 240W TWIN MODULE	850 CRI >80, 5000K	A3 80x100° RECTANGULAR				S4A² 15M PIR SENSOR AND WIRELESS COMMUNICATION
	300B 300W TWIN MODULE						S4B² 15M PIR SENSOR AND WIRELESS COMMUNICATION C/W DAYLIGHT SENSOR AND (OPTIONAL) EMERGENCY MONITORING
	400C 400W TRIPLE MODULE						S3A D4i BATTEN WITH NODE AND WIRELESS COMMUNICATION AND (OPTIONAL) EMERGENCY MONITORING
	480C 480W TRIPLE MODULE						S3B D4i BATTEN WITH NODE AND WIRELESS COMMUNICATION C/W DAYLIGHT HARVESTING AND (OPTIONAL) EMERGENCY MONITORING
							E3R1³ INTEGRATED 2.2W 3 HOUR MAINTAINED EMERGENCY (REMOTE TEST)
						E3S1³ INTEGRATED 2.2W 3 HOUR MAINTAINED EMERGENCY (SELF-TEST)	
						E3W1^{3,4} INTEGRATED 2.2W 3 HOUR MAINTAINED EMERGENCY (WIRELESS MONITORING)	
						WG WIRE GUARD	

Product Ordering Code Examples:
LEN-200B-750-90-D1-TM-SL
LEN-300B-850-90-D3-CS-SL-S2B-E3W1

DRIVER MANUFACTURER					
POWER	D1	D2	D3	D4	D6
100 100W	Sosen	Sosen	Sosen	Us	Inventronics
150 150W	Sosen	Sosen	Sosen	Us	Inventronics
200 200W	Sosen	Sosen	Sosen	Us	Inventronics
240 240W	Sosen	Sosen	Sosen	Us	Inventronics
300 300W	Sosen	Sosen	Sosen	Us	Inventronics
400 400W	Sosen	Sosen	Sosen	Us	Inventronics
480 480W	Sosen	Sosen	Sosen	Us	Inventronics

¹ Compatible with D2 (1-10V) dimmable driver.
² Compatible with D3/D6 (DALI/DALI2 D4i) dimmable driver. Suitable 100-240W variants.
³ Emergency only suitable with 100-240W twin module ("B") variants.
⁴ Must be configured with S2B or S4B device.

GENERAL NOTES:

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