



Specialist low glare, industrial lighting developed & refined for application in Heavy Engineering, Mass Production and Aviation Maintenance industries.

100W-240W series power range – available with integrated smart controls, multiple mounting options a wide array of symmetric optics.



CE, RoHS, LVD, EMC & ERP international product marks

Henman 2 Series

High Performance Versatile LED Bay Light

CDN:SPEC174REV1

Technical Specifications Summary



Performance Summary:

Code (Series-Wattage/Size)	HEN2-100	HEN2-150	HEN2-200	HEN2-240
Nominal Power	100W	150W	200W	240W
Luminaire Efficacy @ CRI>70, 5000K CCT	150lm/W	150lm/W	150lm/W	150lm/W
Lumen Output @ CRI>70, 5000K CCT	15,000lm	22,500lm	30,000lm	36,000lm
Lumen Maintenance (TM21 Calculated)	L70B50 ≥100,000 hours			
Certification	CE, RoHS, LVD, EMC & ERP			
Product Warranty	7 Years			

Light Source and Photometric Parameters:

Chip Brand, Model, & Size	Nichia GRT-V3
Chip Efficacy @ CRI>70, 5000K CCT	162lm/W @150mA, 25°C
Light Emmission	Direct
CCT	5000K, (3000K, 4000K optional)
CRI	≥70, (≥80 optional)
Diffusers	Clear
Symmetric Light Distribution	120°, 60°, 90°, 100°
Asymmetric Light Distribution	A1 (30° x 100°), A8 (40° x 80°), A9 (55° x 130°), A10 (30° x 70°)

Electrical Parameters¹:

System Operating Power	100W	150W	200W	240W
Driver Brand	Meanwell			
Driver Model	HLG-100H	HLG-150H	HLG-240H	
Typical Driver Lifetime	100,000 hours @Tc 25°C 50,000 hours @Tc 80°C			
Input Voltage	100-277VAC			
Input Frequency	50-60Hz			
Qty of Drivers per Light	1			
Inrush Current Per Driver @ 230VAC measured at 50% Ipeak (Peak/Duration)	60A/415µs	65A/425µs	75A/570µs	
Recommended Lights per Circuit (16A Type C MCB)	8	7	4	
Power Factor	>0.95			
THD	<15% (100-277VAC)			
Insulation Class	I			
Surge Protection/Fusing	2kV line-line, 4kV line-earth			

Environmental Parameters:

IP Rating	IP65
IK Rating	IK08
Ambient Usage Tolerance	-40°C to 60°C
Ambient Storage Tolerance	-40°C to 65°C
Driver automatic turn-off temperature	90°C Tc - Driver Powers OFF to protect the LED Load
Ambient Humidity Tolerance	15% to 90% RH

Technical Specifications Summary

Code (Series-Wattage/Size)	HEN2-100	HEN2-150	HEN2-200	HEN2-240
Physical/Mechanical Parameters:				
Product Dimensions: LxWxH (mm)	620 x 195 x 91	620 x 195 x 91	620 x 195 x 91	920 x 195 x 91
Electrical Connection	1000mm cable			
Fixture Weight²	4.2kg	5.5kg	6.3kg	7.1kg
Fixture Primary Material(s)	Aluminium Alloy and Stainless Steel Fixings			
Fixture Finish	Anodised			
Lens(es) Materials	UV Stabilised Tempered Glass			
Dimming/Controls Parameters:				
Dimming Options	1-10V, DALI			
Built-in Controls	Microwave Sensor			
Compatible intelligent lighting systems	Wireless Controls and Monitoring			
Options/Accessories:				
Mounting Styles	Cable Suspension, Twin Surface Mount Brackets, Twin Eye Bolt			
Available Product Colours	Silver			

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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Features Summary



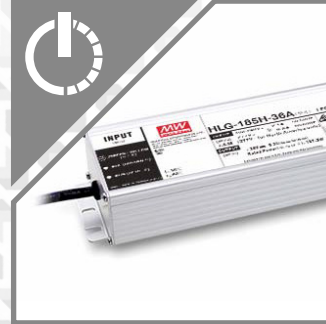
Mounting Options

Twin Suspension Cables, Twin Eye Bolt, Twin Surface Mount Brackets with adjustable tilt feature



Environmental Protection

IP65 rated



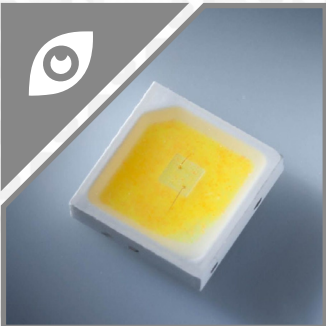
Driver Protocols

Non-dimming, 1-10V, DALI



Optical Distribution

General purpose asymmetric/symmetric dispersion pattern suitable for most applications



Chip Type

Nichia GRT-V3



Dimmable Options

DALI, 1-10V



Sensor(s)

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

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.



Tempered Glass



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	CONFIGURABLE OPTION
HEN2	100 100W	730 CRI >70, 3000K	60 60° CIRCULAR	D1 NON-DIM	CS CABLE SUSPENSION	SL SILVER	M1 MICROWAVE SENSOR
	150 150W	740 CRI >80, 4000K	90 90° CIRCULAR	D2 1-10V	TM TWIN SURFACE MOUNT BRACKETS		
	200 200W	750 CRI >70, 5000K	100 100° CIRCULAR	D3 DALI	EB EYE-BOLT		
	240 240W	830 CRI >80, 3000K	120 120° CIRCULAR				
		840 CRI >80, 4000K	A1 30x100° RECTANGULAR				
		850 CRI >80, 5000K	A8 40x80° RECTANGULAR				
			A9 55x130° RECTANGULAR				
			A10 30x70° RECTANGULAR				

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

Product Ordering Code Examples:

HEN2-150-750-A1-D1-TM-SL

HEN2-200-850-60-D3-TM-SL

DRIVER MANUFACTURER			
POWER	D1	D2	D3
100 100W	Mean Well HLG	Mean Well HLG	Inventronics
150 150W	Mean Well HLG	Mean Well HLG	Inventronics
200 200W	Mean Well HLG	Mean Well HLG	Inventronics
240 240W	Mean Well HLG	Mean Well HLG	Inventronics

CONTACT OUR OFFICE FOR FURTHER INFORMATION ON DRIVER PARAMETERS

