



**Budget focused industrial lighting hardware developed for application in warehouses & factories**

**Magnesium alloy heat sink, ingress & corrosion resistant fitting finishes, 150lm/W family efficacy, & branded components**

**CE & ROHS international product marks**

**The most competitive, high-end solution for projects worldwide**



## ***Hutton 3 Series*** ***Budget Focused High Bays***

CDN:SPEC163REV1

# Technical Specifications Summary



## Performance Summary:

Code (Series-Wattage/Size)	HUT3-100	HUT3-120	HUT3-150	HUT3-200	HUT3-240
Nominal Power	100W	120W	150W	200W	240W
Luminaire Efficacy @ CRI70, 5000K CCT	150lm/W	147lm/W	147lm/W	147lm/W	146lm/W
Lumen Output @ CRI70, 5000K CCT	15,000lm	17,640lm	22,050lm	29,400lm	35,040lm
Lumen Maintenance (TM21 Reported)	L80≥60,000 hours @ 25°C				
Lumen Maintenance (TM21 Calculated)	L80≥119,000 hours @ 25°C				
Certification	CE, RoHS				
Product Warranty	5 Years				

## Light Source and Photometric Parameters:

Chip Brand, Model, & Size	Nichia GRT-V3
Chip Efficacy @ CRI70, 5000K CCT	162lm/W @150mA, 25°C
Light Emission	Direct
CCT	5000K (3000K, 4000K optional)
CRI	≥70Ra, (≥80Ra optional)
SDCM	≤5
Diffusers	Clear, (Frosted, Milky optional)
Symmetric Light Distribution	120°, (60°, 90° optional)
Optical Accessories	Arc Lens

## Electrical Parameters:

System Operating Power	100W	120W	150W	200W	240W
Driver Brand	Philips				Meanwell
Driver Model	Xitanium Dim 100W 1.05A 1-10V 230V I165C	Xitanium Dim 150W 1.05A 1-10V 230V I165C		Xitanium Dim 220W 1.05A 1-10V 230V I240C	HBG-240
Typical Driver Lifetime	50,000 hours				
Input Voltage	220-240VAC				
Input Frequency	50-60Hz				
Qty of Drivers per Light	1				
Power Factor	>0.95				
THD	<15% (220-240VAC)				
Insulation Class	Class I				
Surge Protection/Fusing	4kV line-line, 6kV line-earth				4kV

## Environmental Parameters:

IP Rating	IP65
IK Rating	IK05
Ambient Usage Tolerance	-40°C to 50°C
Ambient Storage Tolerance	-40°C to 65°C
Ambient Humidity Tolerance	15% to 90% RH



Code (Series-Wattage/Size)	HUT3-100	HUT3-120	HUT3-150	HUT3-200	HUT2-240
<b>Physical/Mechanical Parameters:</b>					
Product Dimensions: LxWxH (mm)	250 x 250 x 335mm	250 x 250 x 335mm	250 x 250 x 335mm	320 x 320 x 413mm	320 x 320 x 413mm
Qty of LED Chips	225	270	345	450	540
Electrical Connection	450mm 3-Core Cable				
Fixture Weight <sup>2</sup>	2.65kg	2.65kg	3.65kg	3.85kg	4.70kg
Fixture Primary Material(s)	Aluminium Magnesium Alloy and Stainless Steel Fixings				
Fixture Finish	Electrophoresis				
Lens(es) Materials	UV Stabilised Polycarbonate, PMMA				
<b>Dimming/Controls Parameters:</b>					
Dimming Options	1-10V, DALI				
Compatible intelligent lighting systems	Wireless Controls and Monitoring				
<b>Options/Accessories:</b>					
Mounting Styles	Universal Bracket, Eyebolt				
Available Product Colours	Black, White				

<sup>1</sup> Electrical Parameter data is for D1 drivers, unless otherwise stated

<sup>2</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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## Features Summary



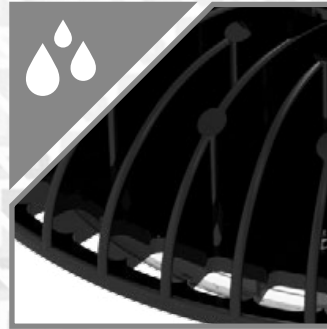
### Mounting Options

Eye Bolt, Universal Bracket<sup>1</sup>



### Optional Fitting Colours

Black & custom (subject to MOQ)



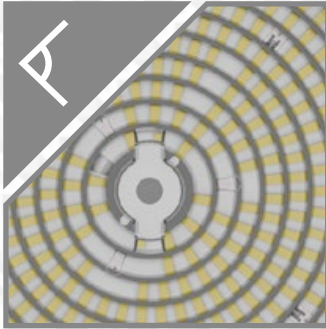
### Environmental Protection

IP65 c/w corrosion-resistant electrophoretic coating



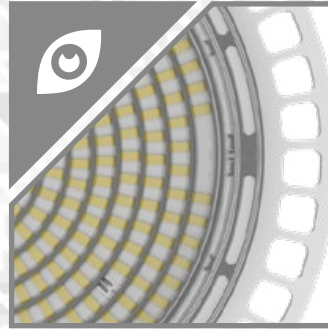
### Impact Protection

IK05 rated



### Distribution

3 no. optic variants are available for general & task-specific applications



### Low-Glare Annular Optics

90° & 60° optional lenses feature advanced, ultra-efficient, annular designs, technology that reduces light-loss and glare



### Arc Lens

Optional arc lens available



### Driver Protocols

Non-dimming, 1-10V, DALI



### Non-Integrated Intelligent Control System(s)

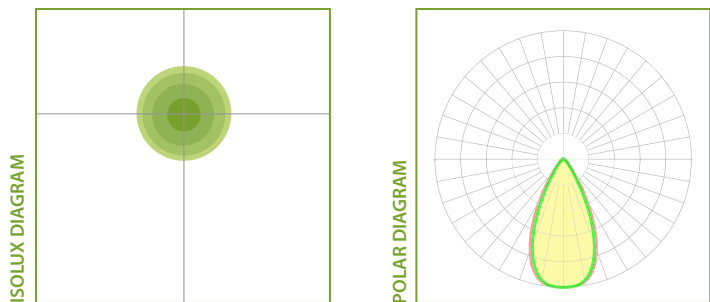
IoT network, DALI compatible controls (Ex-Or, Hytronik, & custom systems available)

<sup>1</sup> Universal bracket only available with mean well HBG drivers

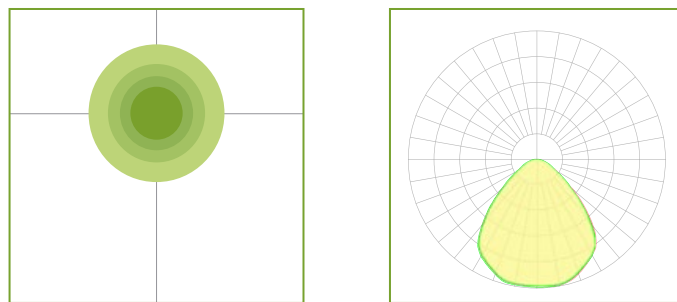
Please note - images shown are intended to be illustrative only. For exact data, please refer to specific product photometry, available for download from our website.

# Indicative Product Photometry

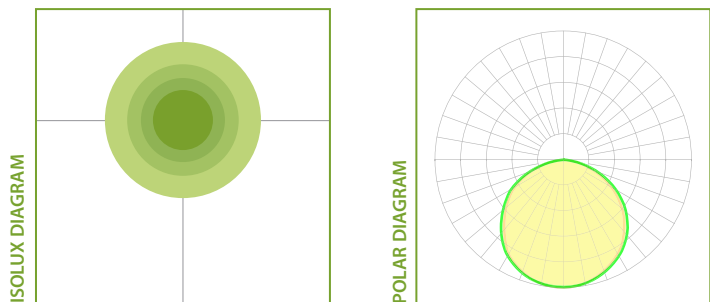
## 60° Optic



## 120° Optic

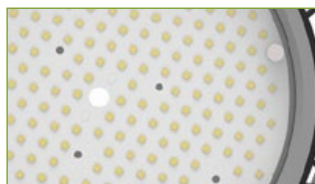


## 90° Optic

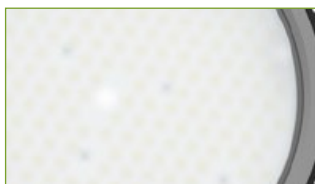


## Diffusers

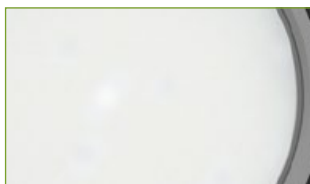
This series is available with the following diffusers. Each diffuser will have a varying effect on photometric distribution and intensity. Please refer to downloadable photometrics for exact data.



Clear Optic (Various Beam Angles)



Frosted Diffuser



Milky 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
<b>HUT3</b>	<b>100</b> 100W	<b>740</b> CRI >70, 4000K	<b>60</b> 60° CIRCULAR	<b>D1</b> NON-DIM	<b>EB</b> EYE BOLT	<b>BL</b> BLACK
	<b>120</b> 120W	<b>750</b> CRI >70, 5000K	<b>90</b> 90° CIRCULAR	<b>D2</b> 1-10V	<b>UB<sup>1</sup></b> UNIVERSAL BRACKET	<b>WH</b> WHITE
	<b>150</b> 150W	<b>830</b> CRI >80, 3000K	<b>120</b> 120° CIRCULAR	<b>D3</b> DALI		
	<b>200</b> 200W	<b>840</b> CRI >80, 4000K	<b>FR</b> FROSTED COVER			
	<b>240</b> 240W	<b>850</b> CRI >80, 5000K	<b>AR</b> ARC LENS			

<sup>1</sup> Universal bracket only available with Mean Well HBG drivers

### 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

Product Ordering Code Examples:

*HUT3-100-750-120-D1-EB-BL*

DRIVER MANUFACTURER			
POWER	D1	D2	D3
<b>100</b> 100W	<b>Philips Xitanium</b>	<b>Philips Xitanium</b>	<b>Mean Well HBG</b>
<b>120</b> 120W	<b>Philips Xitanium</b>	<b>Philips Xitanium</b>	<b>Mean Well HBG</b>
<b>150</b> 150W	<b>Philips Xitanium</b>	<b>Philips Xitanium</b>	<b>Mean Well HBG</b>
<b>200</b> 200W	<b>Philips Xitanium</b>	<b>Philips Xitanium</b>	<b>Mean Well HBG</b>
<b>240</b> 240W	<b>Mean Well HBG</b>	<b>Mean Well HBG</b>	<b>Mean Well HBG</b>

CONTACT OUR OFFICE FOR FURTHER INFORMATION ON DRIVER PARAMETERS

