PowerLed®
Designed to last

Designed to last.
Our reputation is built on our quality.

With over 20 years of electronics expertise and more than eight years in lighting and luminaires, PowerLed takes pride in offering UK based quality control and support, backed by lean, high-tech manufacturing techniques, ensuring each product can be trusted to deliver excellence every time.

With highly reliable, professional LED fixtures, that are based on our own technology platform PowerLed deliver an end product without compromise. This is supported by UK stock, project support and after sales care, with factories and systems accredited to ISO9001 standards.

All products are rigorously tested at our modern, world-class manufacturing facilities to ensure that only products of the very highest quality and reliability reach the marketplace.

PowerLed have a wide range of stock product and also design custom luminaires to fit specific space envelopes, designs, budgets and performances with total peace of mind that whole life product support is assured.

20 YEARS EST·1995

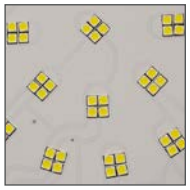
QUALITY SYSTEM CERTIFICATION DNV·GL ISO 9001:2015

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GEN2-HB Series
150~200W LED Highbay Light

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High lumen performance

Designed with Bridgelux, Edison 3030 chips and with 90° lensing as standard, the LED array offers high luminous efficacy and a more uniform light output whilst reducing circuit wattage.



Superior optics

The GEN2-HB delivers superior optics with cooler running LEDs so they can operate for longer without the associated lumen level deterioration. The optics can also be changed on-site.



Serviceability

The GEN2-HB is fitted with a separate Tier 1, global manufacturer driver which can be serviced and supported even after the warranty period, and can be easily accessed by an electrician.



Super slim design

The GEN2-HB offers a super slim profile incorporating air vents, to reduce air buffering and reducing the overall heat sink surface area.



Thermal dynamics

The addition of air vents and separating the driver from the LED array reduces the level of heat around the luminaire, allowing for longer lifetime and greater serviceability.





Dimensions: HB2 140 x Ø300mm / HB3 145 x Ø400mm

20 YEARS EST·1995

Buying with confidence is not always possible in the changing world of LED lighting but with 20+ years of history producing products that often lead extremely tough service lives, you can trust our products and our company.

150 WATTS | 200 WATTS | 90° BEAM ANGLE | IP65 RATED | IK08 RATED

RoHS

Call 0118 982 3754 or visit www.powerled.uk.com

GEN2-HB Series
150~200W LED Highbay Light

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Take a closer look at the GEN2-HB



LED Array High lumen performance

The LED array is constructed using high luminous efficacy Bridgelux, Edison 3030 chips which have been configured to deliver 21000Lm and to deliver significantly enhanced thermal characteristics compared to a COB or other arrays. Teamed with 90° lensing as standard, we are able to achieve high lumen performance with a reduction in circuit wattage so that the LEDs can operate for longer.

Superior optics

Due to the improved lensing and high lumen output the GEN2-HB series delivers superior optics, providing a uniformed controlled light output with cooler running LEDs so they can operate for longer without the associated lumen level deterioration. The optics can also be replaced on-site.





Serviceability

Serviceability is a key focus of the GEN2-HB series is fitted with a separate Tier 1, global manufacturer driver which can be serviced and supported even after the warranty period, and can be easily accessed by an electrician. By separating the gear tray from the luminaire this ensures easy access to the parts. The optics can also be easily accessed and changed by a professional electrician, should your application require.



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GEN2-HB Series
150~200W LED Highbay Light

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Take a closer look at the GEN2-HB



Super slim design

The GEN2-HB separates the driver and the LED array and incorporates air vents to allow air to pass through the fitting. The addition of air vents decreases air buffering and enhances the thermal credentials allowing us to reduce the heat sink surface area to reduce the overall profile.



Housing

The die cast aluminium housing has a weather resistant powder coating, to guarantee long service life and corrosion resistance.

Versatile mounting and application

The GEN2-HB is designed with suspended mounting with a steel hook for ease of installation, which can be locked off for safety.





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GENESIS2-HB Highbay LED Lighting

150-200 WATTS | IP65 RATED | 50,000 HOURS | 5Y WARRANTY



Key Features:

- IP54 main voltage LED light
- High system efficacy >140lm/W
- Instant start with no flickering
- Thermal design
- Energy saving & low maintenance costs
- On-site replaceable optics
- Long life ~ up to 50k hours
- High pressure die-cast aluminium
- 5 years warranty
- High efficiency using Bridgelux, Edison 3030 LED chip

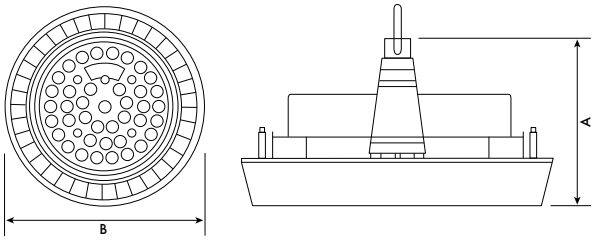
GENESIS2-HB2 & HB3 SPECIFICATION

Part Code	GEN2-HB2	GEN2-HB3
Input Voltage	100-240V	100-240V
Frequency	50 ~ 60 Hz	50 ~ 60 Hz
Power Consumption	150W	200W
Lumens	21000lm	28400lm
Beam Angle	90°	90°
Colour (K)*	5000K	5000K
CRI	>70	>70
Efficacy (lm/W)	140	140
Fitting Colour	Pearl Dark Grey (RAL9023)	
Housing	Die cast aluminium	
Diffuser	Polycarbonate	
Mounting	Adjustable Bracket	
Power Factor	>0.95	
Working Temperature	-20°C ~ +45°C	
Storage Humidity	10% ~ 85%	
Protection	IP65	
IK Protection	IK08	
Surge Protection	5Kv	
Weight	2.83Kg	4.24Kg
Dimensions	140 x ∅ 300mm	145 x ∅ 400mm

Efficiency rated at CCT 4000K.

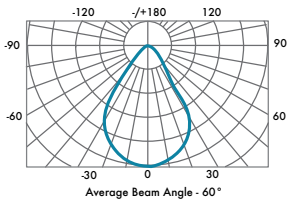
Optional beam angles of 60°& 120° available

Mechanical Diagrams

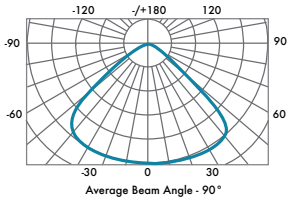


GEN2-HB2 A=140mm / B= ∅300mm
GEN2-HB3 A=145mm / B= ∅400mm

Photometrics



Average Beam Angle - 60°



Average Beam Angle - 90°

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