

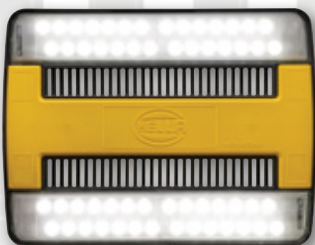


Technology with Vision

HELLA HypaLUME® HEAVY DUTY LED LUMINAIRES



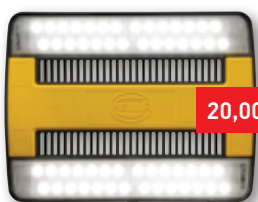
Fixed, Mobile and High Bay LED Lighting



Introducing the extensive range of HypaLUME® LED Flood Light and High Bay Luminaires manufactured by HELLA Australia.

Designed by HELLA Australia from the ground up and put through some of the most rigorous testing available, the revolutionary HypaLUME® and HypaLUME® DUO LED luminaires are the most innovative and durable flood and high bay luminaires available.

HypaLUME® Mining-Spec Flood Light



HypaLUME® Mining-Spec
(Fixed and Mobile Bracket)



(Mobile Bracket)



Mobile Bracket



Fixed Bracket

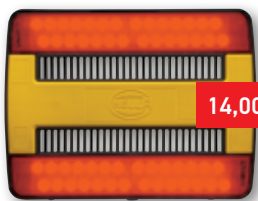
20,000+ LUMENS¹

HypaLUME® High Bay



HypaLUME®
(Suspended Mounting)

HypaLUME® Amber



HypaLUME® Amber Lens
(Fixed and Mobile Bracket)



HypaLUME®
(Mobile Bracket)



Mobile Bracket

HypaLUME® Amber is turtle and penguin friendly.

14,000+ LUMENS¹

HypaLUME® DUO Flood Light



HypaLUME® DUO
High Bay



HypaLUME® DUO
(Fixed Bracket)

13,000+ LUMENS¹

HypaLUME® DUO High Bay



HypaLUME® DUO
(Suspended Mounting)

HypaLUME DUO is designed and certified to Australian Standards.



Fins for superior heat dissipation and air flow



¹ Light output is dependent on model optics and lens options.



20,000+ LUMENS¹

HypaLUME® Mining-Spec LED Flood Light

20,000+ Lumen



The HypaLUME® has been designed specifically for mining and built to excel in a diverse range of applications where high intensity LED lighting is required. With 56 high power LEDs, the HypaLUME® produces more than 20,000 Lumens output. The LEDs are coupled with three specialised optics (wide, close and long range distribution), so all lighting applications are catered for.

The high output LEDs have a colour temperature of 5700K to provide a near-daylight environment, ensuring high colour rendering to assist with critical work tasks.

The HypaLUME® is suitable for both DC and AC applications.

The LED driver electronics ensure light output remains stable over a wide range of voltage variations and the HypaLUME® is also protected from reverse polarity and short circuit faults. Consuming a mere 240W at 24V DC, the HypaLUME® ensures a luminous efficacy of almost 100 Lumens per Watt. It provides the equivalent usable light level of a 400W metal halide light fitting – for far less power consumption.

The specially designed LED driver board, moulded fins for superior heat dissipation and LED alignment ensure advanced thermal management, drawing heat away from the LEDs to maintain the extended life guarantee offered by HELLA Mining's class leading 5 Year LED Warranty.

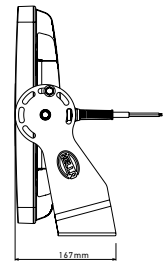
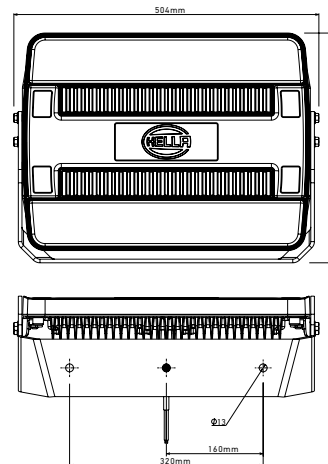
The HypaLUME® is designed to operate over an extreme temperature range from -40°C to +50°C. The UV-stable, high impact and chemical resistant Grilamid lenses protects the LEDs from environmental damage. A variety of bracket options are available including a mobile equipment bracket, a fixed lighting bracket, and a cable suspension bracket – all with a wide range of aiming options.

TYPICAL APPLICATIONS

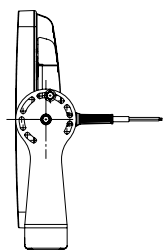
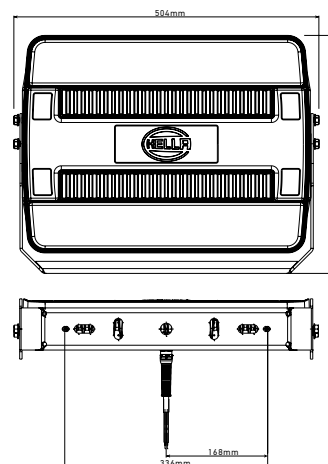
- Mine Processing Plants
- Crushers
- Warehouses
- Conveyor Lines
- Blast-hole Drill Rigs
- Loading Bays
- Continuous Miners
- Workshops
- Fixed Light Towers
- Excavators
- Separation Plants
- Wash Bays
- Shovels
- Underground Tunnels
- Security Perimeter Lighting



Part No.	Optic	Voltage	Bracket
HMF2000WMOB 011.872.011	Wide	18-52V DC	MOBILE
HMF2000WMOBA 011.872.151	Wide - (Amber)***	18-52V DC	MOBILE
HMF2000CMOB 011.872.021	Close	18-52V DC	MOBILE
HMF2000CMOBA 011.872.131	Close - (Amber)***	18-52V DC	MOBILE
HMF2000LMOB 011.872.031	Long	18-52V DC	MOBILE
HMF2000LMOBA 011.872.141	Long - (Amber)***	18-52V DC	MOBILE
HMF2000WFIX 011.872.061	Wide	18-52V DC	FIXED
HMF2000CFIX 011.872.071	Close	18-52V DC	FIXED



MOBILE BRACKET MODEL



FIXED BRACKET MODEL



¹ Fitting only, mounting bracket will determine final value. ^{**} Fitting only - mobile bracket is 50G rated. ^{***} Amber lens models have a 50% decreased light output

HypaLUME® - Technical Details

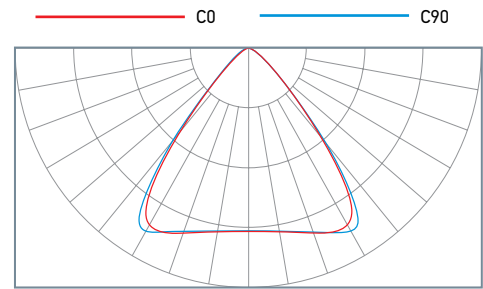
Technical Specification	
Nominal Voltage	24V DC
Voltage Range on Full Output	21V –52V DC
Voltage Range on Reduced Power Mode	18-21V DC
Light Source	56 High Power LEDs
Power Consumption	240W +/- 5W
Peak Current	12.6A @ 24V DC / 5.8A @ 48V DC
Light Output	>20,000 lm (stabilised, measured to LM79)
Colour Temperature	5700 Kelvin nominal
Fuse Required	15A / 24V DC (not supplied)
Operating Temperature Range	-40°C to +50°C
Mass (with Mobile Bracket)	12.6kg
Protection Code	IP6K9K (This means dust tight and protected from high pressure cleaning)
Approvals	ISO 13766, CE, C-Tick, FCC, CISPR25 Class 2 (radiated and conducted), ECE R10
Housing Shock Rating	200G shock impact
Mobile Bracket Shock Rating	50G shock impact
Surface Coating	Non-stick PTFE coating
Chemical Resistance Testing	Cleaning agents Fuels Brake fluid DOT 4 Multi-grade oil Transmission fluid Glycol and water mixtures
Salt Spray Corrosion Testing	> 1000h

Product Overview (with mobile bracket attached)				
Part Number	011.872	-011	-021	-031
HA - Catalogue Number	HMF2000	-WIDE	-CLOSE	-LONG
High Bay Illumination		√	√	
Near-Field Illumination		√	√	
Distant-Illumination				√
360° Mounting Options		√	√	√
1.8m Heavy Duty Marine Grade Cable		√	√	√
Impact-Resistant Grilamid Lens		√	√	√
IP 6K9K/Pressure Cleaner		√	√	√
Integrated Electronics		√	√	√
Overheating Protection		√	√	√
Polarity Reversal Protection		√	√	√
AC Option via Transformer HM24320AC		√	√	√
EMC Approval for HypaLUME® with AC/DC Transformer		√	√	√

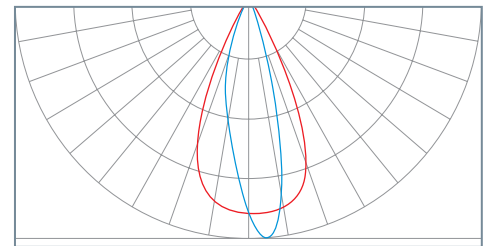
HELLA Australia offers an engineered lighting design service, providing customers with detailed 3D lighting designs, light performance, project-specific product selection, cost savings calculations and product field trials.



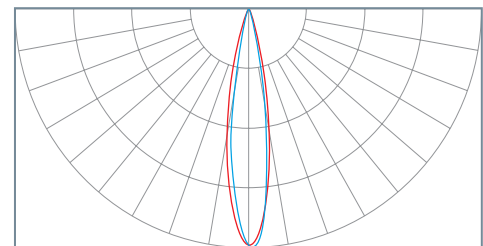
LIGHT DISTRIBUTIONS



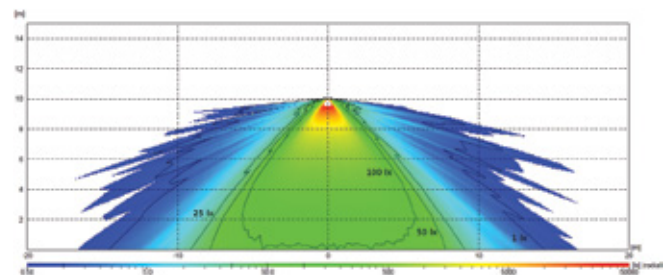
Beam distribution: HypaLUME® Wide Range



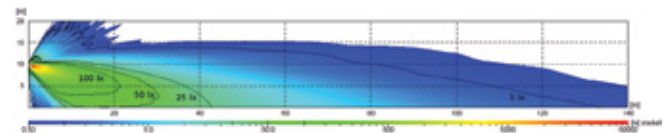
Beam distribution: HypaLUME® Close Range



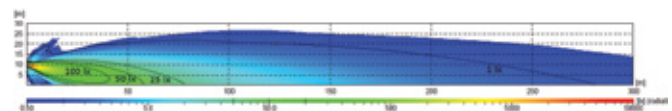
Beam distribution: HypaLUME® Long Range



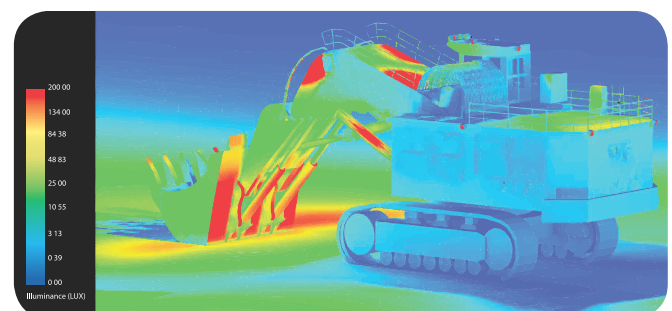
Beam Distribution: HypaLUME® Wide Range



Beam Distribution: HypaLUME® Close Range



Beam Distribution: HypaLUME® Long Range



5
YEAR
LED
WARRANTY



HypaLUME® Industrial LED High Bay Luminaire

20,000+ Lumen

HELLA is proud to introduce the revolutionary HypaLUME® LED High Bay Lamp. The HypaLUME® LED High Bay has been designed to provide high quality LED lighting while reducing power consumption and maintenance costs.

The HypaLUME® High Bay provides instant start lighting with zero restrike time in the event of power loss. Downtime and costs associated with lamp replacements are non-existent, as the HypaLUME® LED High Bay will still retain 70% of luminous flux after 120,000 calculated operating hours.

Fitting is supplied ready for installation with a 2 metre flexible cable and plug, and a suspended mounting kit allowing for adjustment of up to 2 metres suspension.

All performance parameters are based on an ambient temperature of 25°C.

PRODUCT FEATURES

Zero maintenance, 120,000 hours calculated lifetime without requiring a single costly and inconvenient lamp replacement

Sealed and tested to IP67

High efficiency, the HypaLUME® consumes just over half the power of a comparable metal halide or mercury vapour lamp

5 Year LED Warranty

Intelligent optics – the rectangular light distribution allows for a uniform spread of light reducing the difference between bright and dark areas which can cause eye strain

The HypaLUME® has excellent colour rendering coupled with a near-daylight colour temperature providing a comfortable lighting environment to work in

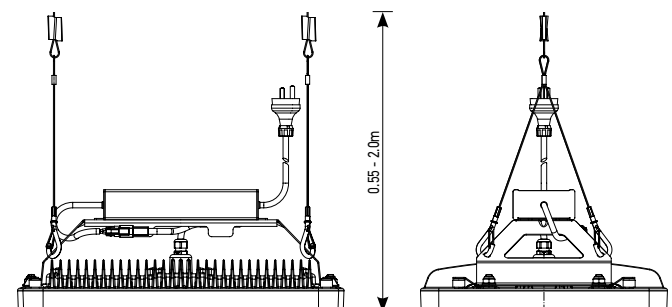
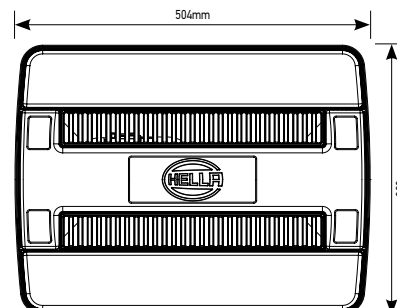
Instant-on with zero restrike time, the HypaLUME® reaches full brightness instantly and there is no waiting for restrike time in the event of a momentary power outage

TYPICAL APPLICATIONS

- Workshops
- Retail
- Warehouses
- Factories
- Loading Bays
- Garages



Part No.	Optic	Voltage	Mounting
HILHBAC 011.872-111	Wide	218-253 VAC	SUSPENDED



The included toolless mounting kit provides quick and easy installation and adjustment.





* Fitting only, mounting bracket will determine final value.

HypaLUME® DUO

Fixed + High Bay Industrial LED Luminaires

13,000+ Lumen¹

The new HELLA HypaLUME® DUO ushers in a technological advancement in innovation and builds on the award winning design of the HELLA HypaLUME® range.

The HypaLUME® DUO has been designed, tested and manufactured in Australia to meet the demands of Australian conditions, is certified to Australian Standards, is backed by HELLA's national sales network and has a 5 Year LED Warranty.

The in-built LED driver electronics ensure light output remains stable over a wide range of input voltage variations.

The HypaLUME® DUO consumes a mere 135W at 240VAC, to provide the equivalent usable light level of a 250W metal halide light fitting, but with far less power consumption.

The HypaLUME® DUO provides instant start lighting with zero restrike time in the event of power loss. Downtime and costs associated with lamp replacements are non-existent, as the HypaLUME® DUO will still retain 70% of luminous flux after 120,000 calculated operating hours. The LEDs have a colour temperature of 5700K which provides a near-daylight environment, ensuring high colour rendering to assist with critical work tasks.

Twenty-eight of the latest technology LEDs produce in excess of 13,000+ Lumens¹ photo-metered output. The high output LEDs are coupled with a range of specialised optics, allowing the light distribution to be adapted to suit any application while keeping wasted light to a minimum. The DUO's unique light distributions allow for a uniform spread of light, reducing the variation in light levels which can cause eye strain.

The specially designed LED board, moulded fins for heat dissipation and LED alignment ensures advanced thermal management by efficiently drawing heat away from the LEDs to maintain the extended life guarantee offered by HELLA's class leading 5 Year LED Warranty.

The HypaLUME® DUO is designed to operate over an extreme temperature range, ranging from -25°C to +40°C. A UV stable, high impact and chemical resistant lens protects the LEDs from environmental damage.

The HypaLUME® DUO comes complete with a universal toolless suspended mounting kit or fixed mounting bracket, ready to fit from the box.

TYPICAL APPLICATIONS

- Warehousing
- Security/Perimeter Lighting
- Factories
- Workshops
- Loading Bays
- Architectural Exteriors
- Underground Tunnels
- Pathways
- Retail Applications

PRODUCT FEATURES

Zero maintenance, 120,000 hours calculated lifetime without requiring a single costly and inconvenient lamp replacement

Sealed and tested to IP65

High efficiency, the HypaLUME® DUO consumes less than half the power of a comparable metal halide or mercury vapour lamp

5 Year LED Warranty

Intelligent optics – the rectangular light distribution allows for a uniform spread of light reducing the difference between bright and dark areas which can cause eye strain

The HypaLUME® DUO has excellent colour rendering coupled with a near-daylight colour temperature providing a comfortable lighting environment to work in

Instant-on with zero restrike time, the HypaLUME® reaches full brightness instantly and there is no waiting for restrike time in the event of a momentary power outage



¹ Light output is dependent on model optics and lens options.

**HypaLUME® DUO
INDUSTRIAL LUMINAIRE**

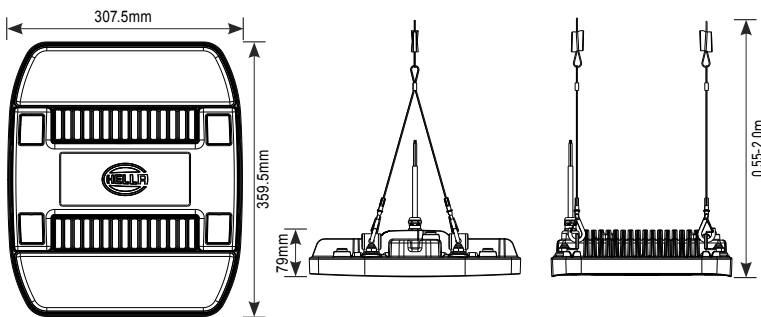


28 High Power LEDs produce more than 13,000 Lumens output, designed to operate economically for long periods in extreme environments... and backed by the HELLA 5 Year LED Warranty.

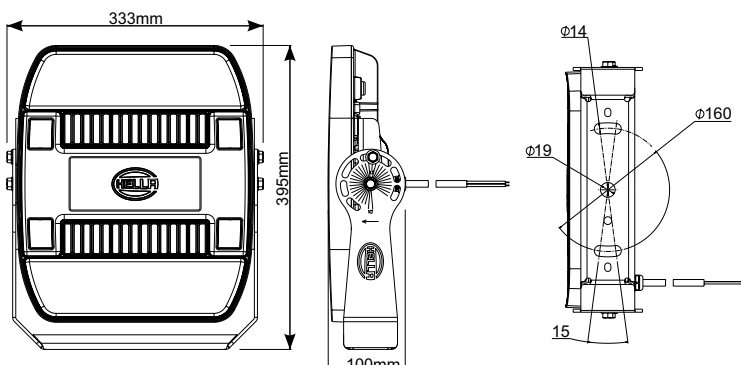
Part No.	Voltage	Optic	Mounting	Luminous Flux
HIL1000W	230V AC	Wide	Suspended	12957 lm
HIL1000C	230V AC	Close	Suspended	13273 lm
HIL1000L	230V AC	Long	Suspended	13850 lm
HIL1000X	230V AC	Extra Wide	Suspended	11417 lm
HIL1000WFIX	230V AC	Wide	Fixed Bracket	12957 lm
HIL1000CFIX	230V AC	Close	Fixed Bracket	13273 lm
HIL1000LFIX	230V AC	Long	Fixed Bracket	13850 lm
HIL1000XFIX	230V AC	Extra Wide	Fixed Bracket	11417 lm

HypaLUME DUO is designed and certified to Australian Standards.

SUSPENDED MOUNT VERSION

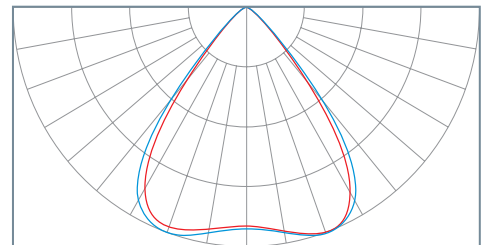


FIXED BRACKET MOUNT VERSION

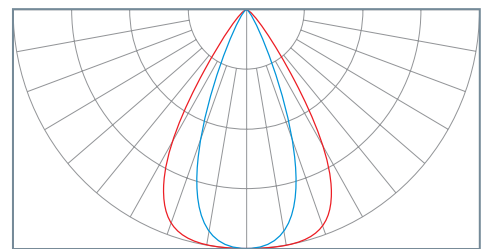


LIGHT DISTRIBUTIONS

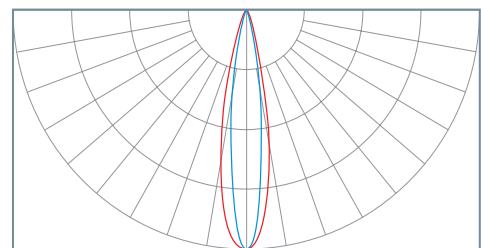
— C0 — C90



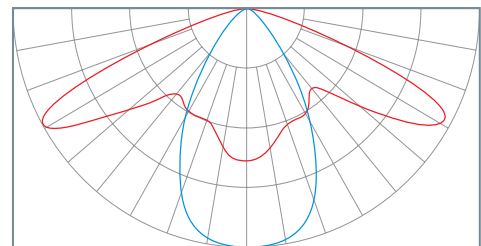
Beam distribution: HypaLUME® DUO Wide Range



Beam distribution: HypaLUME® DUO Close Range



Beam distribution: HypaLUME® DUO Long Range



Beam distribution: HypaLUME® DUO Extra Wide Range

Suspended version includes a toolless mounting kit providing quick and easy installation and adjustment.





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