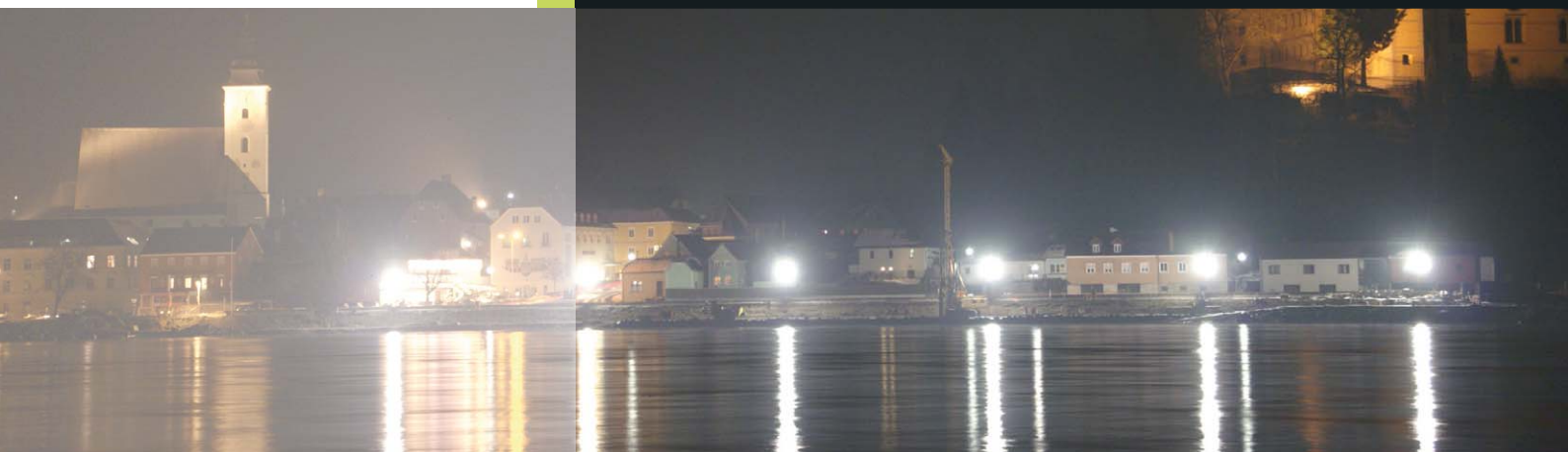


SYSTEMATIC QUALITY



Large area lighting High performance spotlights

for indoor and outdoor use
(stationary or mobile)



GIFAS
ELECTRIC

7.2

LED Large area lighting

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ApolloLED2N ApolloLED ECO



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LED High performance spotlights

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HPL 75W



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HPL 150W



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HPL 300W



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HPL 450W



Page 16

HPL 900W



Page 17

HPL 1350W



Page 18

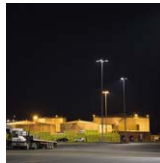
Application examples

Apollo



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HPL



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The large area lighting Apollo can be used either standing on a tripod or hanging from a crane / ceiling. It has an enormous illumination area of up to 700 m².

Accessories

The high-performance lamp HPL (modular design) with up to 197.000lm has a single LED technology and the latest, highly efficient driver technology. The module banks and the lamp can be adjusted independently of each other. Due to the availability of various services, various optics and light colors, all lighting requirements can be solved by the uniform and flat slope and construction site lighting.

Page 19



LED Large area lighting



ApolloLED2N



Product features

Efficient: illumination area of more than 700 square meters. Good illumination increases the quality of work and reduces the risk of accidents. This ensures the safety of the work sites.

Robust: high degree of stability, even with high wind speeds!

Practical: does not take up a lot of space and can be ready for use without much effort. Delivered in an impact-resistant flight case for optimal protection.

Flexible illumination: unilateral minimize glare by switching off half the bulbs.

Advantages

- Latest LED technology enables a high light efficiency without any increase of power consumption!
- An optimum heat evolution ensures an exceptionally low outside temperature. Even after continuous operation for hours, the light is only slightly warm, thus a safe dismantling and packing is possible immediately after use!
- The light distribution can be switched from 360 degrees to 180 degrees.
- She can be used standing (on a tripod) or hanging (hanging eye)

Features

- Full power, immediately after switching-on
- Even at extremely low temperatures ready to use
- Low wind load
- No pre-heating period, No cooling down period
- Robust design, bulbs cannot crack or break
- Handy as well as quick and easy assembly by one person
- Operation with built-in power supplies

Technical data

Operating Voltage	230V
Illuminant	896x0,5W SMD-LEDs
Power consumption	240/480W*
Luminous flux	to 53.760lm
LED Power	120lm/W
Light color	5.000 K
LED-Operating life	> 50.000h
Temperature range for operation	-25°C to +50°C
Housing material	plastic
Cover	plastic
Power supply	2
Opt. mounting height	3500 mm
Illumination area	more than 700 m ²
Full power	immediately
Type of protection	IP44 (IP54 from above)
Protection class	I
Dimensions (Ø x L)	205 x 900 mm
Weight	11 kg

Carrying Case

Dimensions (W x L x H)	280 x 1180 x 300 mm
Weight	8,6 kg

Tripod

Dimensions:	
Height extended	3.580 mm
Diameter/ root circle	1.280 mm
Maximum load	30 kg
Weight	21,5 kg

* LED output depending on the mode of operation

ApolloLED2N with transport case			
EDP No.	Product-ID-No.	Cable / tripod	Volt
115955	APOLLO.LED.2N.230V.440W.CW.5000K.S5.FC	5 m	230V
115956	APOLLO.LED.2N.230V.440W.CW.5000K.S5.FC.SET	5 m / incl. Tripod	230V

Spares / Accessories		
EDP No.	Product-ID-No.	Description
88403	STATIV.TRAGLAST.30KG.185-380CM.KURBEL	Crank tripod stand, chrome steel with 3 feet
89447	FUSSPLATTE.STATIV.APOLLO.GARNITUR	3 foot plates for tripod
115932	APOLLO.STATIVTASCHE	Carrying case for tripod

ApolloLED ECO



ApolloLED ECO with tripod joint tilt up to a maximum of 45 degrees

Product features

The tried-and-tested Apollo light is entering the next generation: ApolloLED ECO is a true power guarantee (156lm/W) with reduced height and lower weight thanks to the latest high-end SMD LEDs.

The accessories, such as the transport bag and tripod, are now also more handy and make the ApolloLED ECO system a practical large area luminaire in a compact design.

Advantages

- The latest LED technology ensures an especially highly energy and light efficient operation.
- 8 LED modules equipped with 480 SMD-LEDs allow a completely symmetrical light distribution, which almost eliminates shadow effects.
- Optimum heat dissipation ensures an extraordinarily low housing temperature; even after hours of continuous operation, the luminaire remains warm to the touch. This enables safe dismantling and immediate packing after use.

Features

- Full power, immediately after switching-on
- Even at extremely low temperatures ready to use
- Low wind load
- No pre-heating period, No cooling down period
- Robust design, bulbs cannot crack or break
- Handy as well as quick and easy assembly by one person
- Operation with built-in power supplies

Technical data

Operating Voltage	100~277VAC
Illuminant	480x0,5W SMD-LEDs
Power consumption	300W
Luminous flux	to 32.320lm
LED Power	156lm/W
Light color	5.000K
LED-Operating life	> 50.000h
Temperature range for operation	-25°C to +50°C
Housing material	plastic
Cover	plastic
Power supply	1
Opt. mounting height	2.700 mm
Illumination area	more than 600 m ²
Full power	immediately
Type of protection	IP44 (IP54 from above)
Protection class	I
Dimensions (Ø x L)	208 x 600 mm
Weight	7,5 kg

Transporttasche

Dimensions (Ø x L)	210 x 650 mm
Weight	0,3 kg

Stativ

Dimensions:	
Height extended	2400 mm
Diameter/ root circle	1280 mm
Maximum load	40 kg
Weight	9,4 kg

ApolloLED ECO		
EDP No.	Product-ID-No.	Description
126303	APOLLO.LED.ECO.230V.250W.O.ZUL.	Surface light ApolloLED Eco 230V System power 300W, up to 32.320lm without cable, without transport case, 5.000K, IP44 SK.I

Spares / Accessories		
EDP No.	Product-ID-No.	Description
126304	APOLLO.LED.ECO.STATIV	Crank tripod stand for ApolloLED ECO height: min.1500 mm, max. 2400 mm, load capacity: up to 40 kg
126305	APOLLO.LED.ECO.TASCHE	Carrying case for ApolloLED ECO
111825	APOLLOLIGHT.PROFI.STA-TIVGELENK.15/30/45°	Hinge for Apollo tripod 230V 8 x 80 Watt 3 settings 15 / 30 / 45° max: up to 45° possible.
115931	APOLLOLED.S.5.4315.GG.GERÄTEKUPPLUNG.3PE*	Device connection cable 5m 3x1,5 H07RN-F with plug and device coupling 3P+E Amphenol

*The connecting cable is a mandatory accessory.

Large area lighting



Apollo - Fire brigade use



ApolloLED - Lighting on construction sites



ApolloLED - for lighting during road / forest work

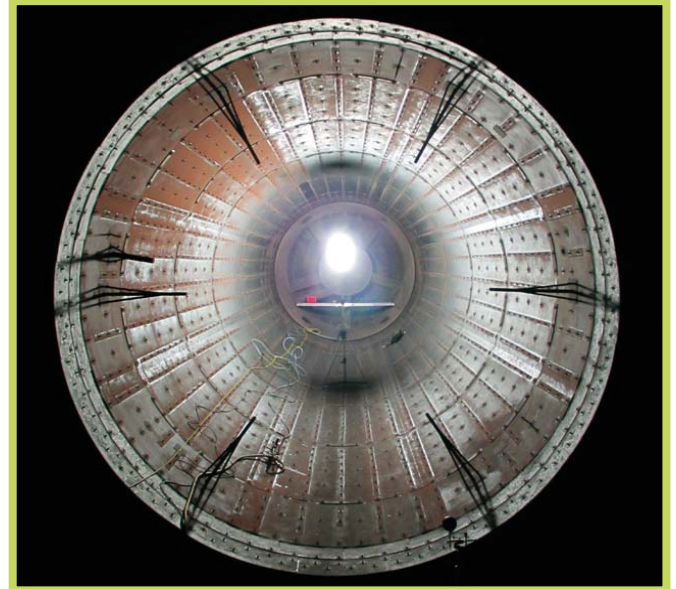


Apollo - Firefighters association NÖ

Large area lighting



ApolloLED ECO - Lighting during revision work in a power plant



ApolloLED - Turbine lighting for revisions



Apollo - Mountain rescue use



ApolloLED - Construction site use



LED High performance spotlights



HPL - General / Features



Modular high-performance Spotlight – HPL High Power LED

Modular construction, single - LED technology and the latest, highly efficient driver technology were joined for a new LED light, the HPL of GIFAS - Electric. In addition to ease of maintenance, high energy efficiency and high reliability, the HPL is characterized by its simple design. Available in different capacities and various optics and light colors, all lighting requirements can be met from uniform and area-wide runway and construction site lighting across the most diverse outdoor areas to the lighting of a tower crane.



Free-swiveling module benches

The infinitely swiveling modular benches (450W each) can be easily swiveled when the luminaire is mounted in order to achieve optimum illumination and uniformity, depending on the lighting situation. We recommend aligning the module banks in the dark to adjust the setting perfectly to the application.



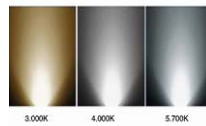
Swiveling bracket

The 270 ° swiveling bracket allows universal use of the lamp, depending on the mounting situation, the bracket can be adjusted accordingly. Thus, the light is well prepared for any mounting situation.



Optics

To ensure that the light distribution is ensured uniform and homogeneous over a large area, each LED is equipped with a single lens. This allows a specific direction of the light and increases the quality of lighting.



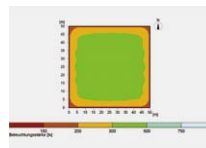
LED Light color

To meet a wide range of applications and requirements, the HPL is available in 3 light colors (3.000 / 4.000 / 5.700 Kelvin).



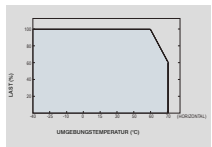
Driver electronics

The latest, highly efficient driver technology ensures low power losses (> 0.98) and safe operation of the LED lamp. The easily accessible position of the driver under an easy-to-disassemble protective cover, the driver can be replaced quickly, easily and safely. The protective cover provides additional driver protection against external influences.



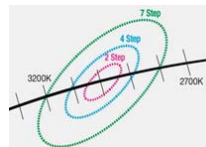
Beam Angle

Different symmetrical and asymmetric beam angles allow uniform and areal illumination of large areas and places (eg construction sites, ski slopes, outdoor storage areas, ...). The combination of beam angle, inclination adjustment and freely pivoting module banks makes the luminaire an all-rounder in the high-performance range of LED luminaires.



Thermal management

To avoid damaging the LED driver and the LED modules, the HPL lamp has an integrated thermal management. With an increase in temperature, the light regulates first down to 60% of the light power. If temperature further increases the HPL will get turned off completely.



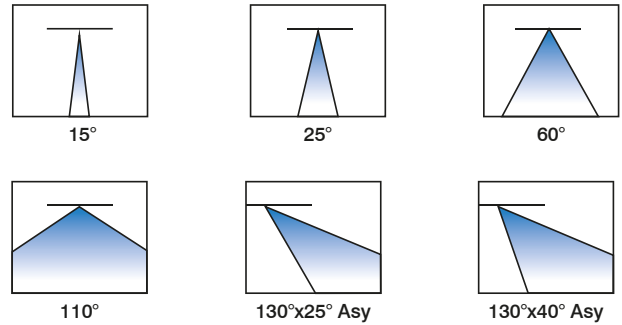
Color consistency

In order to achieve a constant brightness the LED module's light source is reduced by the LED driver. This ensures that the luminaire does not lose its luminosity over its lifetime and is still as bright as at the beginning of its life even after many years.

HPL 75W



Available Beam Angle



Product features

Modular LED light with symmetrical or asymmetrical light distribution and single-LED technology. The HPL 75W has a slim design, is powder coated in color black, with 1.5 m cable and pre-installed plug connection for easy installation.

- Full luminous flux is available immediately
- Lower power consumption with good luminous efficiency
- Minimal temperature development
- Extremely resistant to switching (> 1 million)
- Operates within a broad temperature range: -40°C to +50°C
- No UV/IR-radiation
- Not sensitive to impact and vibrations

Range of application

Appropriate for all locations for which a broad area of illumination is required.

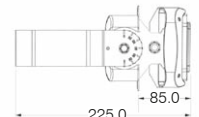
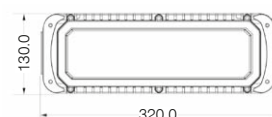
- Construction sites
- Ski slope
- Open space
- Industry, commerce..

Technical data

LED Power	75W
System performance	78W
Operating Voltage	100 - 240VAC
LED Efficiency	130lm/W
CRI-Index	Ra>80
L80/B50	>97.000h
LED resistance to switching	>1 mio
MacAdam	3-step
Temperature range for operation	-40°C to +50°C
Integrated thermal management	yes
Max. Surface temperature	+90°C (suitable for use in industrial premises with fire hazards)
	D-rating label
	yes
Dimmable	yes
Housing material	aluminium
Housing color	black
Type of protection	IP66
Protection class	I
Degree of protection against mechanical	IK10
Weight	3.2 kg
Dimensions L x W x H*	320 x 130 x 225 mm
Swivel range bracket	270°

*H = with the bracket folded back

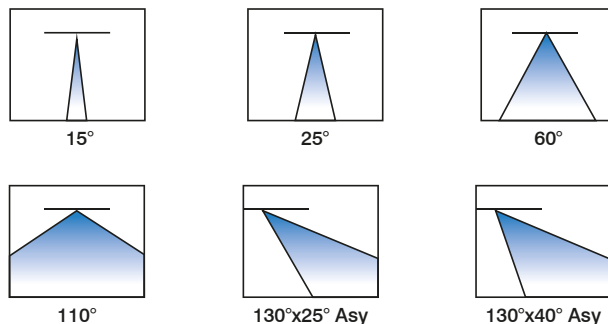
LED Light color 5.700K			
EDP No.	Product-ID-No.	Beam Angle	Luminous flux
134617	HPL.75W.110°.5700K.9200.LM.DIM.HI.M	110° symmetrical	9.200lm



HPL 150W



Available Beam Angle



Product features

Modular LED light with symmetrical or asymmetrical light distribution and single-LED technology. The HPL 150W has a slim design, is powder coated in color black, with 1.5 m cable and pre-installed plug connection for easy installation.

- Full luminous flux is available immediately
- Lower power consumption with good luminous efficiency
- Minimal temperature development
- Extremely resistant to switching (>1 million)
- Operates within a broad temperature range: -40°C to +50°C
- No UV/IR-radiation
- Not sensitive to impact and vibrations

Range of application

Appropriate for all locations for which a broad area of illumination is required.

- Construction sites
- Ski slope
- Open space
- Industry, commerce..

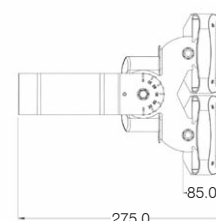
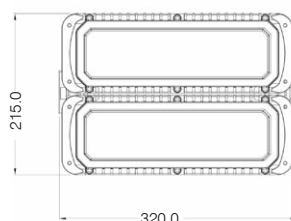
Technical data

LED Power	150W
System performance	154W
Operating Voltage	100 - 240VAC
LED Efficiency	130lm/W
CRI-Index	Ra > 80
L80/B50	> 97.000h
LED resistance to switching	> 1 mio
MacAdam	3-step
Temperature range for operation	-40°C to +50°C
Integrated thermal management	yes
Max. Surface temperature	+90°C (suitable for use in industrial premises with fire hazards)
	D-rating label
Dimmable	yes
Housing material	aluminium
Housing color	black
Type of protection	IP66
Protection class	I
Degree of protection against mechanical	IK10
Weight	4.8 kg
Dimensions L x W x H*	320 x 215 x 275 mm
Swivel range bracket	270°

*H = with the bracket folded back

LED Light color 5.700K			
EDP No.	Product-ID-No.	Beam Angle	Luminous flux
130173	HPL.150W.110°.5700K.18400.LM.DIM.HI.M	110° symmetrical	18.400lm

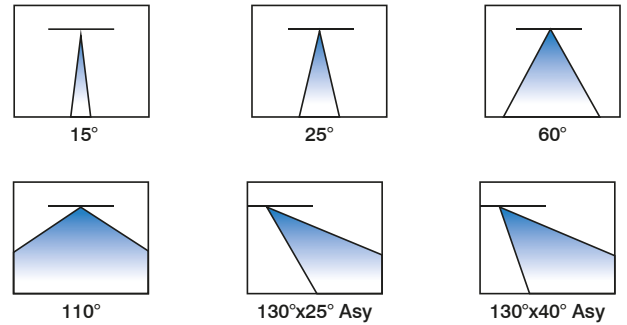
LED Light color 4.000K			
EDP No.	Product-ID-No.	Beam Angle	Luminous flux
131350	HPL.150W.15°.4000K.19000.LM.DIM.HI.M	15° symmetrical	19.000lm



HPL 300W



Available Beam Angle



Product features

Modular LED light with symmetrical or asymmetrical light distribution and single-LED technology. The HPL 300W has a slim design, is powder coated in color black, with 1.5 m cable and pre-installed plug connection for easy installation.

- Full luminous flux is available immediately
- Lower power consumption with good luminous efficiency
- Minimal temperature development
- Extremely resistant to switching (> 1 million)
- Operates within a broad temperature range: -40°C to +50°C
- No UV/IR-radiation
- Not sensitive to impact and vibrations

Range of application

Appropriate for all locations for which a broad area of illumination is required.

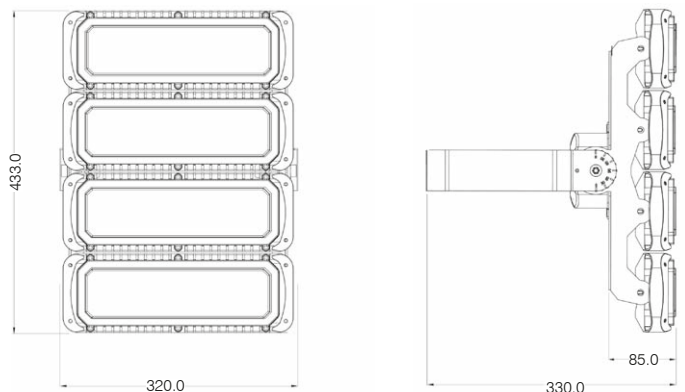
- Construction sites
- Ski slope
- Open space
- Industry, commerce..

Technical data

LED Power	300W
System performance	310W
Operating Voltage	100 - 240VAC
LED Efficiency	130lm/W
CRI-Index	Ra>80
L80/B50	>97.000h
LED resistance to switching	>1 mio
MacAdam	3-step
Temperature range for operation	-40°C to +50°C
Integrated thermal management	yes
Max. Surface temperature	+90°C (suitable for use in industrial premises with fire hazards)
	D-rating label
	yes
Dimmable	yes
Housing material	aluminium
Housing color	black
Type of protection	IP66
Protection class	I
Degree of protection against mechanical	IK10
Weight	8.7 kg
Dimensions L x W x H*	320 x 433 x 330 mm
Swivel range bracket	270°

*H = with the bracket folded back

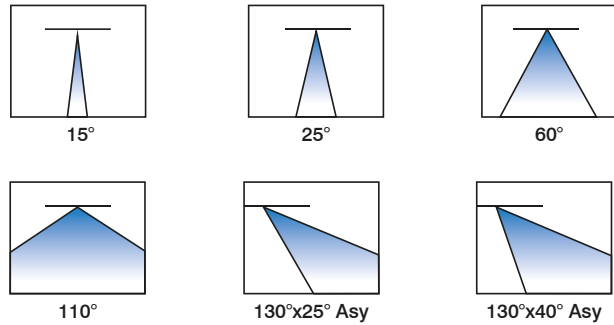
LED Light color 5.700K			
EDP No.	Product-ID-No.	Beam Angle	Luminous flux
130174	HPL.300W.110°.5700K. 37500.LM.DIM.HI.M	110° symmetrical	37.500lm



HPL 450W



Available Beam Angle



Product features

Modular LED light with symmetrical or asymmetrical light distribution and single-LED technology. The HPL 450W has a slim design, is powder coated in color black, with 1.5 m cable and pre-installed plug connection for easy installation.

- Full luminous flux is available immediately
- Lower power consumption with good luminous efficiency
- Minimal temperature development
- Extremely resistant to switching (>1 million)
- Operates within a broad temperature range: -40°C to +50°C
- No UV/IR-radiation
- Not sensitive to impact and vibrations

Range of application

Appropriate for all locations for which a broad area of illumination is required.

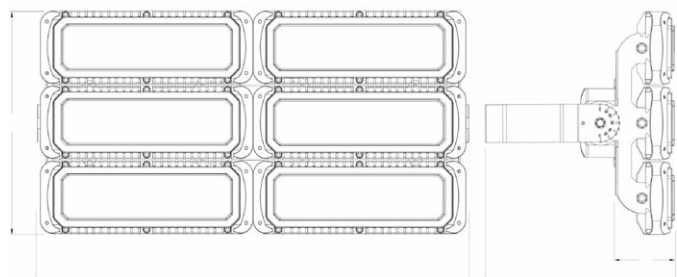
- Construction sites
- Ski slope
- Open space
- Industry, commerce..

Technical data

LED Power	450W
System performance	460W
Operating Voltage	100 - 240VAC
LED Efficiency	130lm/W
CRI-Index	Ra>80
L80/B50	>97.000h
LED resistance to switching	>1 mio
MacAdam	3-step
Temperature range for operation	-40°C to +50°C
Integrated thermal management	yes
Max. Surface temperature	+90°C (suitable for use in industrial premises with fire hazards)
	D-rating label
Dimmable	yes
Housing material	aluminium
Housing color	black
Type of protection	IP66
Protection class	I
Degree of protection against mechanical	IK10
Weight	13.4 kg
Dimensions L x W x H*	628 x 324 x 275 mm
Swivel range bracket	270°

*H = with the bracket folded back

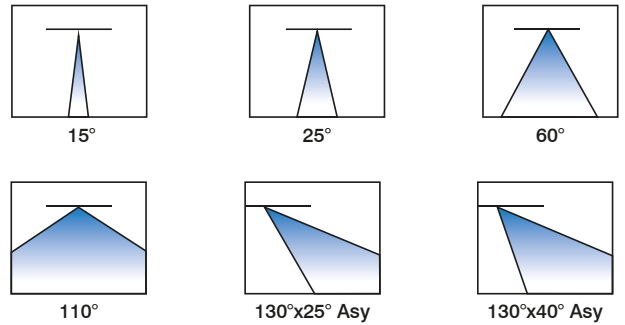
LED Light color 5.700K			
EDP No.	Product-ID-No.	Beam Angle	Luminous flux
130175	HPL.450W.110°.5700K.57000.LM.DIM.HI.M	110° symmetrical	57.000lm
133061	HPL.450W.130X40°.5700K.65700.LM.DIM.HI.M	130° x 40° asymmetrical	65.700lm



HPL 900W



Available Beam Angle



Product features

Modular LED light with symmetrical or asymmetrical light distribution and single-LED technology.
The HPL 900W has a slim design, is powder coated in color black, with 0.8 m cable and pre-installed plug connection for easy installation.

- Full luminous flux is available immediately
- Lower power consumption with good luminous efficiency
- Minimal temperature development
- Extremely resistant to switching (> 1 million)
- Operates within a broad temperature range: -40°C to +50°C
- No UV/IR-radiation
- Not sensitive to impact and vibrations

Range of application

Appropriate for all locations for which a broad area of illumination is required.

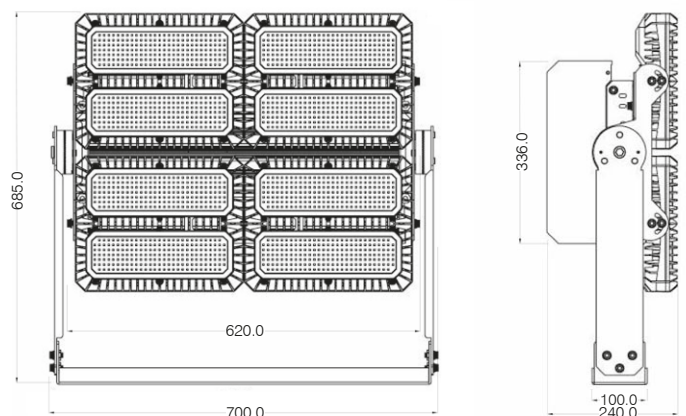
- Construction sites
- Ski slope
- Open space
- Industry, commerce..

Technical data

LED Power	900W
System performance	920W
Operating Voltage	100 - 240VAC
LED Efficiency	150lm/W
CRI-Index	Ra > 70
L80/B50	> 97.000h
LED resistance to switching	> 1 mio
MacAdam	3-step
Temperature range for operation	-40°C to +50°C
Integrated thermal management	yes
Max. Surface temperature	+90°C (suitable for use in industrial premises with fire hazards)
	D-rating label
	yes
Dimmable	yes
Housing material	aluminium
Housing color	black
Type of protection	IP66
Protection class	I
Degree of protection against mechanical	IK10
Weight	28.7 kg
Dimensions L x W* x T	700 x 685 x 240 mm
Swivel range bracket	270°
* W = with the bracket folded down	

LED Light color 5.700K			
EDP No.	Product-ID-No.	Beam Angle	Luminous flux
129651	HPL.900W.60°.5700K.134000.LM.DIM.HI.M	60° symmetrical	134.000lm
131153	HPL.900W.130X40°.5700K.134000.LM.DIM.HI.M	130° x 40° asymmetrical	134.000lm

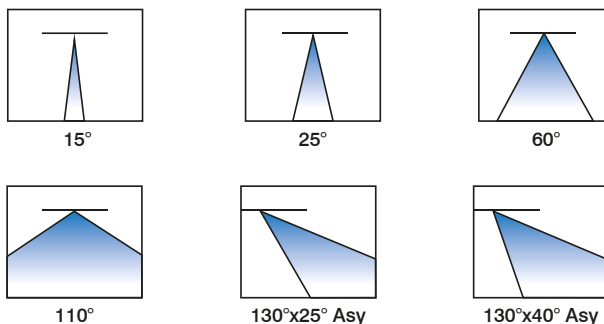
LED Light color 4.000K			
EDP No.	Product-ID-No.	Beam Angle	Luminous flux
130834	HPL.900W.110°.4000K.132300.LM.DIM.HI.M	110° symmetrical	132.300lm
131152	HPL.900W.130X40°.4000K.134000.LM.DIM.HI.M	130° x 40° asymmetrical	134.000lm



HPL 1350W



Available Beam Angle



Product features

Modular LED light with symmetrical or asymmetrical light distribution and single-LED technology. The HPL 1350W has a slim design, is powder coated in color black, with 0.8 m cable and pre-installed plug connection for easy installation.

- Full luminous flux is available immediately
- Lower power consumption with good luminous efficiency
- Minimal temperature development
- Extremely resistant to switching (>1 million)
- Operates within a broad temperature range: -40°C to +50°C
- No UV/IR-radiation
- Not sensitive to impact and vibrations

Range of application

Appropriate for all locations for which a broad area of illumination is required.

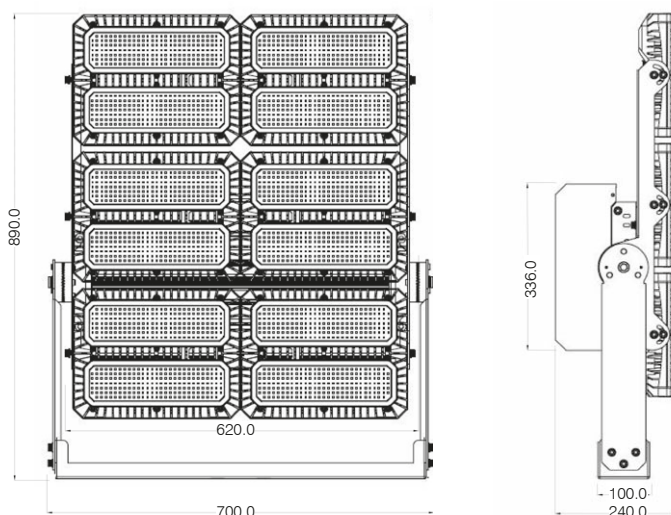
- Construction sites
- Ski slope
- Open space
- Industrie, Gewerbe

Technical data

LED Power	1.350W
System performance	1.380W
Operating Voltage	100 - 240VAC
LED Efficiency	150lm/W
CRI-Index	Ra > 70
L80/B50	> 97.000h
LED resistance to switching	> 1 mio
MacAdam	3-step
Temperature range for operation	-40°C to +50°C
Integrated thermal management	yes
Max. Surface temperature	+90°C (suitable for use in industrial premises with fire hazards)
	D-rating label
Dimmable	yes
Housing material	aluminium
Housing color	black
Type of protection	IP66
Protection class	I
Degree of protection against mechanical	IK10
Weight	37.3 kg
Dimensions L x W* x T	700 x 890 x 240 mm
Swivel range bracket	270°
* W = with the bracket folded down	

LED Light color 5.700K			
EDP No.	Product-ID-No.	Beam Angle	Luminous flux
129648	HPL.1350W.110°.5700K.197600.LM.DIM.HI.M	110° symmetrical	197.600lm
131057	HPL.1350W.60°.5700K.197600.LM.DIM.HI.M	60° symmetrical	197.600lm
131409	HPL.1350W.25°.5700K.197600.LM.DIM.HI.M	25° symmetrical	197.600lm
131058	HPL.1350W.130x40°.5700K.200000.LM.DIM.HI.M	130° x 40° asymmetrical	200.000lm

LED Light color 3.000K			
EDP No.	Product-ID-No.	Beam Angle	Luminous flux
130170	HPL.1350W.130x40°.3000K.200000.LM.DIM.HI.M	130° x 40° asymmetrical	200.000lm

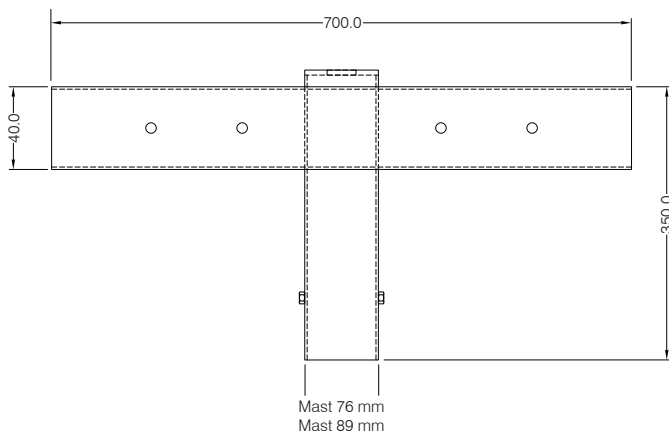


Mast attachment for high power LED
(HPL 900W and 1.350W)

Product features

- Material Stainless steel 1.4301
- Pickled stainless steel tube
- Fastening for approx. 40 kg LED spotlight
- Mast diameter 76 mm - 89 mm

Mast adapter		
EDP No.	Product-ID-No.	Mast attachment for Ø
130850	HPL.MASTBEF.76MM.V2A.STERNGRIF.F.01.M	76 mm
130942	HPL.MASTBEF.89MM.V2A.STERNGRIF.F.01.M	89 mm



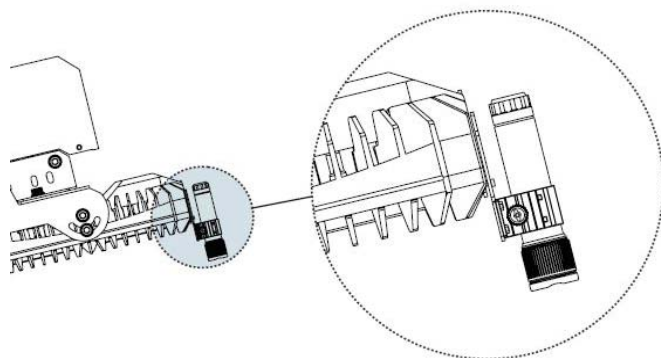
Alignment aid

Laser for the high power LED for exact alignment, including assembly accessories and battery as well as assembly instructions.

Product features

- Laser line for versatile leveling
- Fast and error-free work
- Good visibility of the laser line

Alignment aid	
EDP No.	Product-ID-No.
130988	HPL.LASER.PRÄZISIONS-AUSRICHT-ZIELGERÄT



Application examples - High performance spotlights



High Power LED - Illumination of a night ski slope

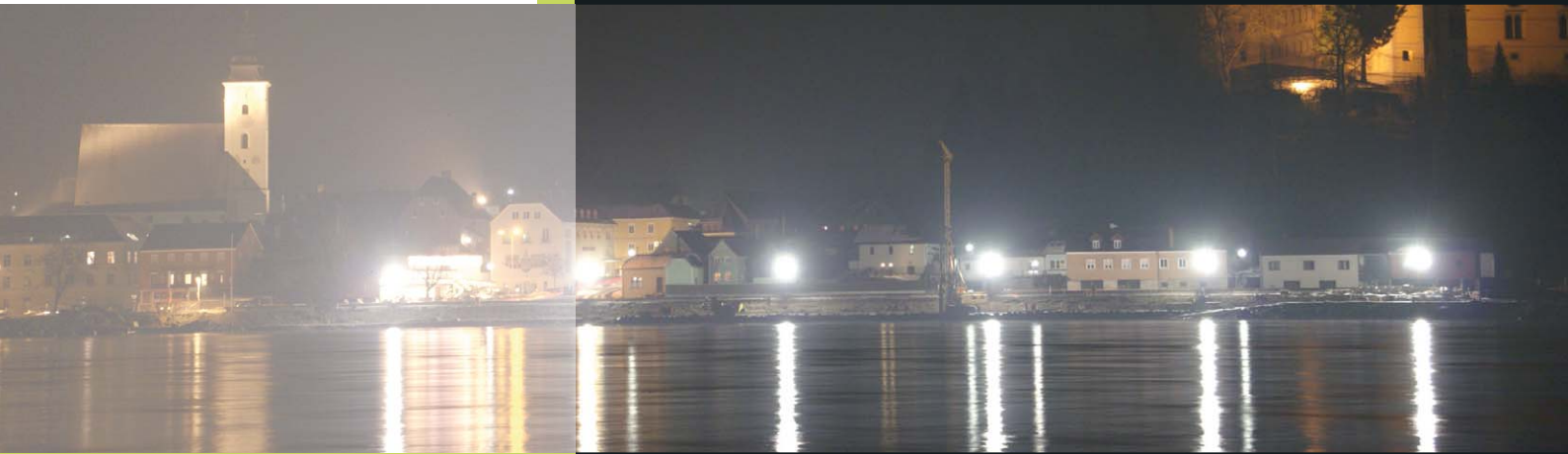


High Power LED - Illumination of factory premises



High Power LED - Soccer field lighting

CONTACT US



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