



### WORKING IN THE BEST LIGHT.

Durable, sturdy and with low energy consumption: This is what distinguishes modern hall/arena lighting and is exactly where GIFAS comes in with its lighting range. Particular environmental conditions regarding harsh temperatures, excess dirt and dust are often very demanding. We are prepared for such cases and our hall spotlights are designed and engineered with this in mind.

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## DeltaLUXX LED high bay lighting General



The flexible high bay lighting of GIFAS offer an impressive design and provides a variety of functions. The efficient thermal management of these High Bay lights, which ensures adequate cooling even in dust and dirt-prone environments, supports the modern and efficient LED technology used, with its lifespan of at least 80,000 hours. Thanks to optional DALI and 1-10V dimmer interfaces, the DeltaLUXX models can be integrated into intelligent lighting systems.

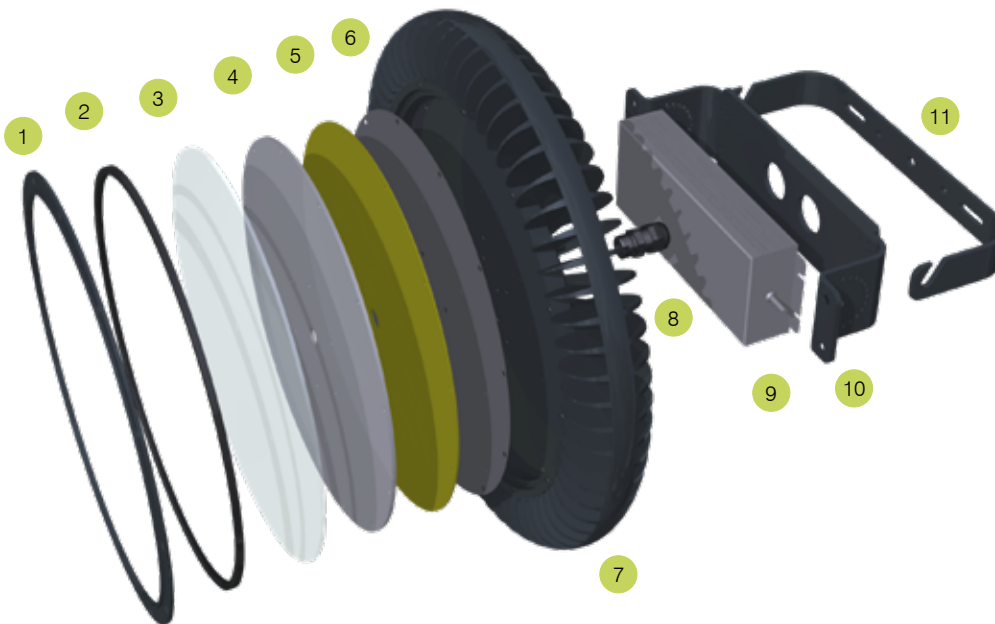
Thanks to high-performance LEDs, the DeltaLUXX boast superlative lighting efficiency, especially in hard-to-illuminate areas with high-up lighting installations. With an external diameter of 450 millimetres, 180 high-end LEDs and high-quality individual single lenses with various beam characteristics, they can be used in halls up to 25 metres in height.

With their cast aluminium housing, special PTFE non-stick coating for minimum dust and dirt build-up, a pressure equalisation membrane and the use of sturdy polycarbonate panes with increased shatter protection or single-pane safety glass, the DeltaLUXX delivers reliable performance in environmental temperatures of up to 60° Celsius.

DeltaLUXX impresses with its modern, industrial design and sleek shapes.

- ✓ **Made in Germany**
- ✓ **For applications with high light points**
- ✓ **Sleek, modern industrial design**
- ✓ **Optional with optics for a wide range of applications**
- ✓ **Suitable for use in industrial premises with fire hazards (D rating label)**
- ✓ **Approved for the food industry (according to IFS)**

### Construction



- 1 Die-cast aluminium frame
- 2 U-profile silicon seal
- 3 Front panel (PC or toughened glass)
- 4 Optic
- 5 LED board
- 6 Heat conducting film
- 7 Die-cast aluminium housing
- 8 Cable gland with pressure compensation function
- 9 Power supply
- 10 Power supply bracket
- 11 Mounting bracket

**DeltaLUXX LED high bay lighting**  
**Characteristics**



**Development Approach**

This development is based on the need to manufacture a High Bay lighting which merits the **MADE IN GERMANY** mark of excellence, in terms of performance and quality. With the DeltaLUXX, GIFAS has succeeded in developing a competitive LED High Bay lighting that satisfies the highest demands and can also be used in challenging industrial sectors.



**LED-Technology**

The DeltaLUXX uses exclusively **high-end SMD LEDs** from reputable manufacturers, which are ideal in terms of light quality, lifespan, light colour and efficiency. For efficient light distribution high-quality optics are installed. The neutral, white 5000K light and the good colour rendering index of over  $R_a 80$ , match the maximum human vision in daylight and as a result the best resolution of detail.



**Surface coating**

Industrial lights often have problems with dirt gathering on the surface and the associated reduction in cooling capability. The **PTFE surface coating (coll. Teflon®)** on the AlphaLUXX has a very low friction coefficient. Dust and dirt literally „bead“ off the light. Even harsh acids cannot attack a PTFE coating. Improved thermal conductivity results from the four-times thinner PTFE coating, in comparison with powder coating.



**Technical design**

The DeltaLUXX impresses with **enormous system efficiency and high lighting quality**. Through optional DALI and 1-10V dimming interfaces, the luminaire can be integrated into intelligent lighting systems.



**Thermal management**

Efficient cooling is essential for the LEDs' long service life and ultimately affects the entire lighting system. To achieve this long-term for DeltaLUXX, high-quality technical components were combined with a sophisticated design. The external open ring ensures dissipation of the heat generated, even with high levels of dirt. The design, coupled with an extra-thin coating and heat conduction foil to ensure maximum contact between surfaces, delivers an ambient **operating temperature range of up to 60° Celsius and a lifespan of at least 80,000 hours**.



**Quality**

The components are selected according to the highest quality standards. High-alloy, corrosion-resistant aluminium housing (230D), stainless steel installation material (V4A), LEDs and electronics from reputable manufacturers. **Individual testing of every light in accordance with DIN EN 60598-1, certified according to ENEC.**

# DeltaLUXX

## DeltaLUXX LED high bay lighting Technical data



**Light control**  
- optional 1 - 10V dimming  
- optional DALI interface

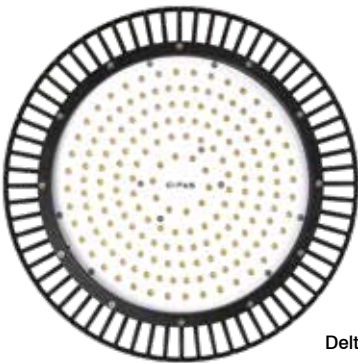
 IK08\*  
\*for versions with PC cover

### Product features

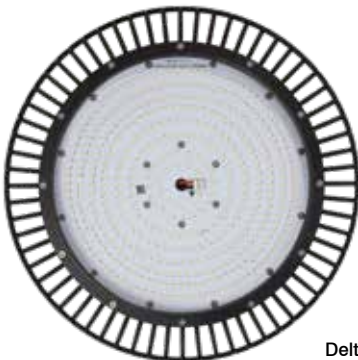
- Robust housing made of corrosion-resistant die-cast aluminium
- Dirt-resistant PTFE surface coating, approved for the food industry
- 3mm impact resistant plastic cover (PC) or 3mm toughened safety glass (ESG)
- Custom-made U-profile seal surrounding all sides
- Custom-made, durable, heat-conducting film for lasting, reliable dissipation of heat from the LED board
- Low heat generation thanks to the latest LED technology
- Pressure compensation element for extreme temperature fluctuations
- Full luminous flux is available instantly after switching on
- Low energy consumption with high light output
- Maintenance-free
- Wide operating temperature range (up to 60°C)
- No UV/IR-radiation
- Vibration-resistant
- Accessories available from stock
- Various directional characteristics available

### Technical data

Input voltage	100-277VAC (50/60Hz)
Light source	SMD-LEDs
System performance	164W / 215W / 264W
Lighting current	22400lm / 28100lm / 32400lm
System Efficiency	137lm/W / 131lm/W / 123lm/W
Light colour	5000K
CRI-Index	Ra >80
Beam angle	open distribution (120°), wide+ (~75°), wide (~50°), medium (~30°), narrow (~20°)
Operating life	[L70/B10] > 80000h
Protection category	IP65
Protection class	I
Shock resistance	IK08 (Version: PC cover)
Operating range of temperature	150W -30°C to +60°C 200W -30°C to +55°C 240W -30°C to +50°C
Max. surface temperature	+90°C (suitable for use in industrial premises with fire hazards), D rating label
Housing	Die-cast aluminium
Housing surface	PTFE-coated (approved for the food industry)
Housing colour	black
Cover	3mm PC clear, optional 3mm ESG (Vision)
Weight	approx. 9.5kg
Measurements (ØxH)	450x195mm
Certification	ENEC, CB, CE, D rating label

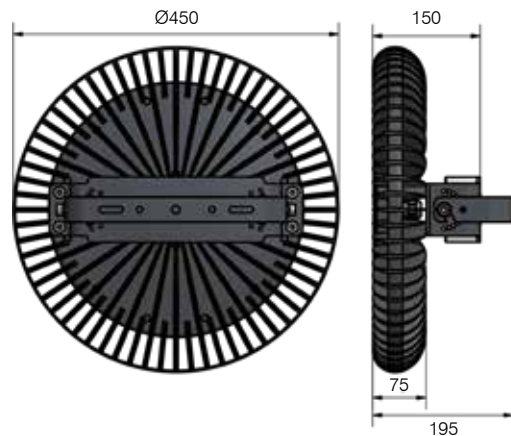


DeltaLUXX with optic



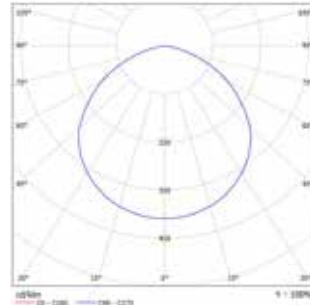
DeltaLUXX open distribution

### Abmessungen

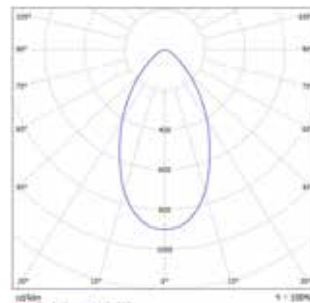


**DeltaLUXX LED high bay lighting**  
Range / Light distribution

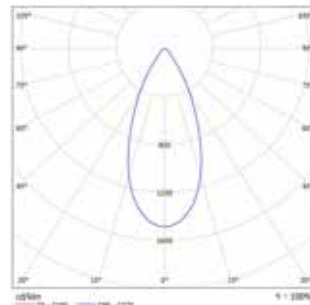
Item no.	Description
800085	DeltaLUXX/W150V230/120°/PC clear
800104	DeltaLUXX/W200V230/120°/PC clear
800105	DeltaLUXX/W240V230/120°/PC clear
800155	DeltaLUXX/W150V230/120°/ESG clear
800156	DeltaLUXX/W200V230/120°/ESG clear
800157	DeltaLUXX/W240V230/120°/ESG clear



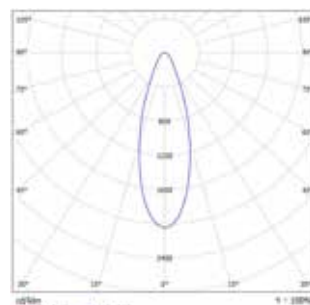
Item no.	Description
800121	DeltaLUXX/W150V230/~75°/PC clear
800122	DeltaLUXX/W200V230/~75°/PC clear
800123	DeltaLUXX/W240V230/~75°/PC clear
800167	DeltaLUXX/W150V230/~75°/ESG clear
800168	DeltaLUXX/W200V230/~75°/ESG clear
800169	DeltaLUXX/W240V230/~75°/ESG clear



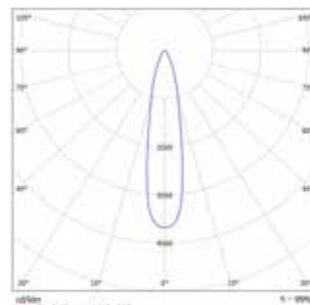
Item no.	Description
800118	DeltaLUXX/W150V230/~50°/PC clear
800119	DeltaLUXX/W200V230/~50°/PC clear
800120	DeltaLUXX/W240V230/~50°/PC clear
800164	DeltaLUXX/W150V230/~50°/ESG clear
800165	DeltaLUXX/W200V230/~50°/ESG clear
800166	DeltaLUXX/W240V230/~50°/ESG clear



Item no.	Description
800115	DeltaLUXX/W150V230/~30°/PC clear
800116	DeltaLUXX/W200V230/~30°/PC clear
800117	DeltaLUXX/W240V230/~30°/PC clear
800161	DeltaLUXX/W150V230/~30°/ESG clear
800162	DeltaLUXX/W200V230/~30°/ESG clear
800163	DeltaLUXX/W240V230/~30°/ESG clear



Item no.	Description
800112	DeltaLUXX/W150V230/~20°/PC clear
800113	DeltaLUXX/W200V230/~20°/PC clear
800114	DeltaLUXX/W240V230/~20°/PC clear
800158	DeltaLUXX/W150V230/~20°/ESG clear
800159	DeltaLUXX/W200V230/~20°/ESG clear
800160	DeltaLUXX/W240V230/~20°/ESG clear



Item no.	Description
289860	DeltaLUXX.arresting cable 1,0m
286503	Cable connector 2P+PE IP68

# FlutLED ROUND 90

## FlutLED ROUND 90 LED high bay lighting



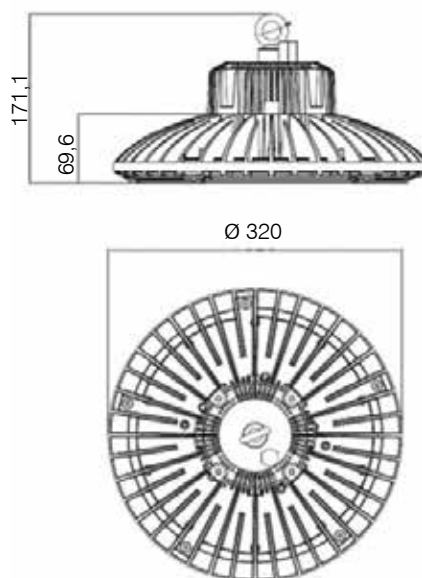
The LED high bay lighting FlutLED ROUND provides high efficiency with consistently brightness. The high-quality die-cast aluminum heat sink and the durable powder-coated surface treatment giving out high long term reliable performance. With these LED lamps you get a high light intensity while reducing your energy costs.

Item no.	Description
800025	FlutLED ROUND 90/230VAC/103W/IP65/5000K/13929lm
800032	DALI additional module

### Product features

- Robust housing made of corrosion-resistant die-cast aluminium
- Robust and rust-free frame (bracket or ceiling mounting)
- Low heat generation thanks to the latest LED technology
- Shockproof cover
- Shock and vibration resistant
- Energy-saving (low power consumption with high light output)
- Full luminous flux is immediately available
- Maintenance-free
- Minimum temperature development
- 1 - 10 volt dimming
- D rating label according to VDE 0711-2-24 or EN 60598-2-24
- 5 years warranty

### Measurements



### Technical data

Input voltage	90-305VAC (50/60Hz)
Light source	LED
System performance	103W
Lighting current	13929lm
Light efficiency	135lm/W
Light colours	5000K
CRI-Index	Ra >80
Beam angles	120°
Operating life	> 50000h
Protection category	IP65
Protection class	I
Dimming	1 - 10V or optional DALI
Operating range of temperature	-40°C bis +50°C
Housing	made of die cast aluminum
Cover	plastic
Weight	approx. 3.6kg
Measurements (DxW)	320x171 mm
Warranty	5 years

DeltaLUXX blue Crane safty lighting



The LED Spotlight DeltaLUXX blue was specially developed for the increased safety requirements when working with crane systems.

The blue warning signal has already proven itself when working with forklifts by warning other persons when it is in use. The DeltaLUXX blue also warns the employee about the crane system in use.

DeltaLUXX blue can be mounted at height of up to 20 meters, giving the user a concentrated beam of blue light with a diameter of 1 meter. The DeltaLUXX blue is designed for robust applications and withstands even temperature fluctuations from -20 ° C to + 55 ° C, the maximum surface temperature may be up to + 90 ° C.

**Product features**

- Robust housing made of corrosion-resistant die-cast aluminium
- Dirt-resistant PTFE surface coating, approved for the food industry
- 3mm impact resistant plastic cover (PC)
- Custom-made U-profile seal surrounding all sides
- Custom-made, durable, heat-conducting film for lasting, reliable dissipation of heat from the LED board
- Low heat generation thanks to the latest LED technology
- Full luminous flux is available instantly after switching on
- Low energy consumption with high light output
- Maintenance-free
- Wide operating temperature range (up to 60°C)
- No UV/IR-radiation
- Vibration-resistant
- Accessories available from stock
- Various directional characteristics available

**Technical data**

Input voltage:	100-277VAC (50/60Hz)
System power:	approx. 130W
Light source:	SMD LEDs (Seoul Semiconductor)
Wavelength:	460nm
Luminous flux:	approx. 1600lm
Beam angle:	5°
LED lifetime:	[L70/B10] > 50000h
Protection category:	IP65
Protection class:	I
Operating temperature:	-20°C to +55°C
Storage temperature:	-25°C to +70°C
Max. Surface Temperature:	+90°C (suitable for use in fire endangered operations)
Housing material:	die-cast aluminium
Housing surface:	PTFE-coated
Housing color:	black
Frontcover:	3mm polycarbonate
Cable:	30cm cable without plug (other versions on request)
Weight:	approx. 11.5kg
Dimensions (Ø x H):	450x208.5mm
Certifications:	CE
Warranty:	2 years

Item no.	Description
289861	DeltaLUXX blue/W130V230/5°/-
291506	DeltaLUXX blue/W130V230/5°/DIMM/- incl. dimming box

## DeltaLUXX / FlutLED ROUND 90



Container port lighting



High bay lighting



Manufacturing hall



Warehouse lighting



Illumination of workstations





## DeltaLUXX / FlutLED ROUND 90



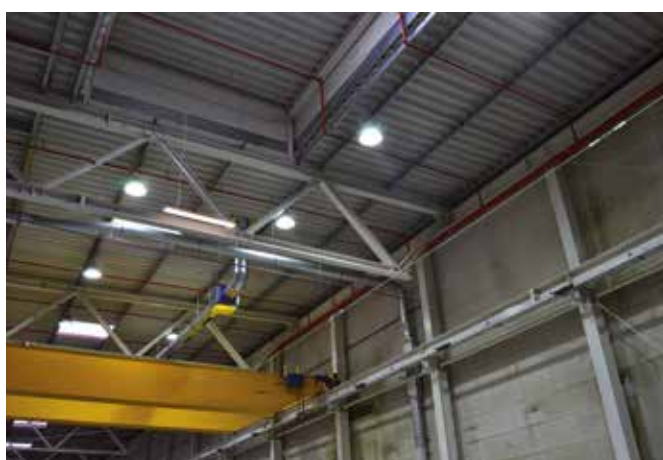
Warehouse lighting



High bay lighting



Warehouse lighting

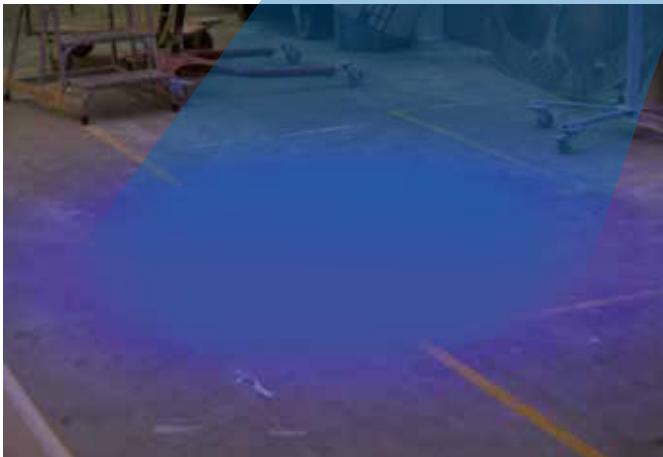


Processing hall for forklift trucks



Automotive supply industry

## DeltaLUXX blue



## GIFAS live experience!

### How it works

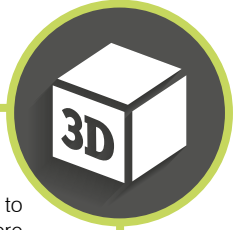
Download the GIFAS Augmented Reality App free for your smartphone or tablet. Then scan the picture that you can see below - the so-called marker - with the GIFAS app. You are now able to look at the product that you have selected from various angles and all sides. Enjoy your 3D tour!

### Instructions

The GIFAS app has been developed for use on modern tablets and smartphones using both Apple iOS and Android operating systems. Older devices and software may experience some limitations in their functionality. Due to the larger display size, the app's features are generally at their best on a tablet.

### Tip

If you need to place your tablet or smartphone very close to the marker for it to be detected, this may be because there isn't enough light. How it's done: First, point the camera at the marker at close range. Once the app has captured the marker and constructed the 3D model, you can slowly move the device away from the marker - up to a distance of 3 metres. Keep the phone or tablet as still as possible.



Download  
the GIFAS  
app here

## **WE ARE EXPERTS IN YOUR FIELD**

Public sector

Industrial sector

Transportation

### **High bay lighting**

**Online products available  
at [www.gifas.de/en](http://www.gifas.de/en)**

Find the suitable product  
solution for you on our  
website and read all the  
latest news about our  
products.

