

# H250/400 LED

## High Bay

The H250/400 LED is a fixture of the latest generation able to combine the advantages of the LED light source with state-of-the-art optic systems, as regards both performance and flexibility of application. The LED sources used, with very high efficiency, allow mounting at heights of more than 12 metres. The diffuser has an wide and uniform area of emission, allowing very low luminosity and therefore reduced glare with high visual comfort. The excellent mechanical characteristics (IP66-IK09) allow installation even in heavy-duty industrial environments. The fixture is available with three different optic modes: concentrating, wide and elliptical beam.

Unlike traditional industrial high bay fixtures, the H250/400 LED is characterized by very compact dimensions, especially the height, which make it the ideal solution for sheds where there are overhead cranes or other moving structures. The fixture is designed to resist magnetic disturbances typical of industrial environments (EN 61000-6-2). In the versions with dimming, to ensure maximum energy saving, self-adapting technology is used on the sensor integrated in the fixture, to automatically adjust the emission of light according to the reading of the natural light present on the work surface.

A LED INVERTER is also available which transforms the fixture into an emergency maintained fixture, to light a section of the LED source in the event of a black-out.



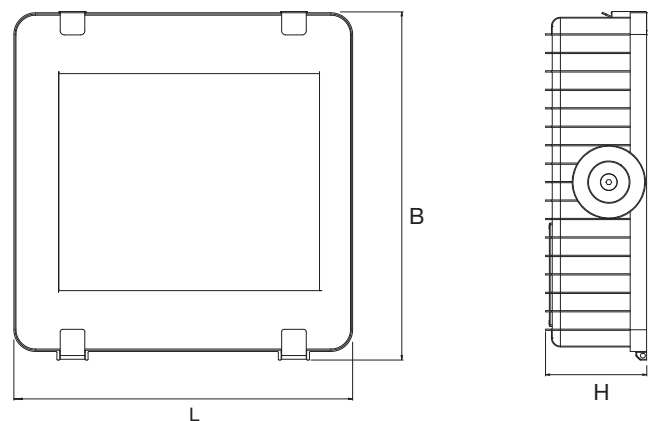
### GENERAL CHARACTERISTICS

- Equivalent Power\*** 250, 400 W
- Power supply** Universal Multi Voltage  
93–265 V<sub>AC</sub> 50/60 Hz  
176–250 V<sub>DC</sub>
- Standard** EN 60598-1, EN 60598-2-1,  
EN 60598-2-22 (fundamental  
requirements), EN 62471  
(Photobiological hazard)
- Protection grade** IP66 with ventilation valve, IK09
- Working temp.** -30 °C ÷ +60 °C\*\*\*\*
- Mounting** ceiling, suspension, busbar trunking
- Housing** Die-cast aluminium RAL 7040 white
- Optic** Sheet metal with parabolic development  
in anti-iridescent, mirror finished,  
anodised aluminium, Wide,  
Concentrating, Ellipsoidal
- Diffuser** Prismatic toughened glass 4 mm thick
- Driver** SELV electronic SD (cos  $\varphi \geq 0.97$ )  
Electronic with intelligent dimming
- MTFB Control gear\*\*** 100 000 h
- Luminous flux** >60 000 h (1 × 400 W) (L80B20)
- maintenance\*\*** >70 000 h (1 × 250 W) (L80B20)
- Colour deviation** 3 SDCM

\* Equivalent power for comparison with metal halide fixtures

\*\* At environmental reference temperature of 25 °C

\*\*\*\* At highest working temperature thermal protection may reduce the output power.



Power * W	• Dimensions (mm) •			Weight max. kg
	L	B	H	
250	425	413	121	7.7
400	425	413	121	7.7

## Accessories

supplied

Order code	Description
-	ANTI-VANDAL SCREWS
418319000	CABLE GLAND M20 WITH VENTILATION VALVE

**SPECIAL VARIANTS: COLOUR TEMPERATURE ON REQUEST**  
Contact the Beghelli sales network

## Building automation to be ordered separately

Order code	Description
20102	BUILDING AUTOMATION CENTRAL UNIT
20124	BUILDING AUTOMATION CENTRAL UNIT WIFI
20104	2 INPUT INTERFACE – RADIO TRANSMITTER
15022	BUILDING AUTOMATION RADIO MODULE
15024	DALI MODULE
15034	1-10V MODULE

## Accessories

supplied

Order code	Description
15039	OPTICOM PHOTSENSOR

## Accessories

to be ordered separately

Order code	Description
12658	PROTECTIVE GRID
12659	ELECTRIFIED TRACK BRACKET
12663	HIGH BAY SUSPENSION CABLES
12664	CEILING BRACKET
99-0205	HIGH BAY SUSPENSION CHAINS (1 m)
99-0206	HIGH BAY SUSPENSION CHAINS (2 m)



**ELECTRIFIED TRACK MOUNTING BRACKET**



12659 to be ordered separately

**CEILING MOUNTING BRACKET**



12664 to be ordered separately

**SUSPENDED MOUNTING**



12663 to be ordered separately

99-0205 to be ordered separately

99-0206 to be ordered separately

**EMERGENCY WITH LED INVERTER**

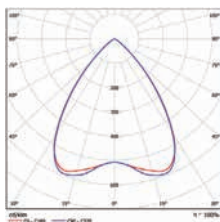
TR AT LG LGFM

<b>19368</b>	INVERTER PLUG&LIGHT LED SE/SA 1H 20-60V IP65	to be ordered separately
<b>19364</b>	INV LED IP65 AT/LG 123H (addressable)	to be ordered separately
<b>19365</b>	INV LED IP65 LGFM 123H (addressable)	to be ordered separately

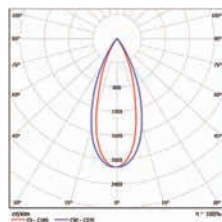
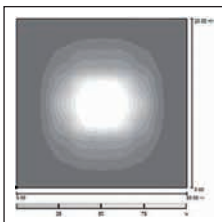
**Efficiency and dimming**

The increase in luminous efficacy (lm/W) and the useful life of the device may vary significantly according to the degree to which it is dimmed. Assuming an average level of 50% of the luminous flux, the following results are obtained with the H250/400 LED:

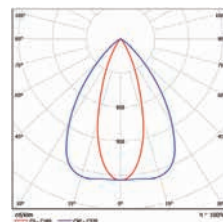
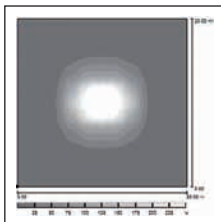
**Dimming SD** 50 %  
**Device duration** +40 %  
**Luminous efficiency** +10 %



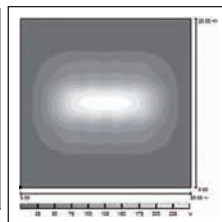
Wide optic



Elliptical optic



Concentrating optic



**H250/400 LED**

SmartDriver **SD**

Power* W	Order code	Description	Optic	LED Power W	Colour Temp. K	Colour rendering	Power consumption max. W	N°LEDs	Flux of LEDs lm (Tj=25°C)	Flux of fixture lm	lm/W	Energy Class	Packaging
250	<b>H250SD</b>	RIF LED 250 DIFF SD 4000K	WIDE	110	4 000	>80	119	256	18 500	16 000	134	A++	1
400	<b>H400SD</b>	RIF LED 400 DIFF SD 4000K	WIDE	216	4 000	>80	234	512	35 000	30 000	128	A++	1
250	<b>H250CSD</b>	RIF LED 250 CONC SD 4000K	CONCENTRATING	110	4 000	>80	119	256	18 500	16 000	134	A++	1
400	<b>H400CSD</b>	RIF LED 400 CONC SD 4000K	CONCENTRATING	216	4 000	>80	234	512	35 000	30 000	128	A++	1
250	<b>H250ESD</b>	RIF LED 250 ELLIT SD 4000K	ELLIPTICAL	110	4 000	>80	119	256	18 500	16 000	134	A++	1
400	<b>H400ESD</b>	RIF LED 400 ELLIT SD 4000K	ELLIPTICAL	216	4 000	>80	234	512	35 000	30 000	128	A++	1