

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

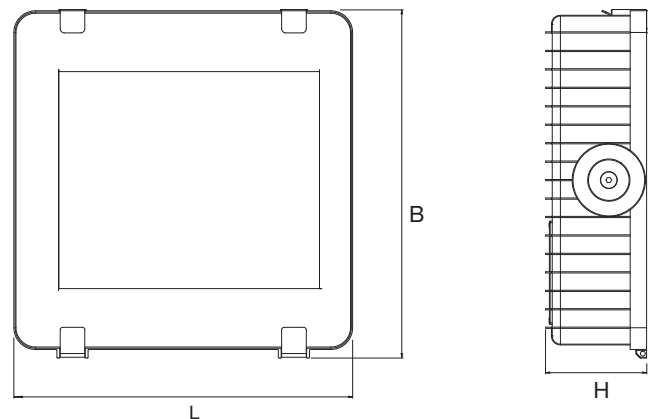
Equivalent Power*	250, 400 W
Power supply	195–265 V _{AC} 50/60 Hz 176–250 V _{DC}
Standard	EN 60598-1, EN 60598-2-1, EN 60598-2-22 (fundamental requirements), EN 62471 (Photobiological hazard)
Protection grade	IP66 with ventilation valve, IK09
Working temp.	-30 °C ÷ +60 °C****
Mounting	ceiling, suspension, 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 (1x 400 W) (L80B20)
maintenance**	>70 000 h (1x 250 W) (L80B20)
Colour deviation	3 SDCM

* Equivalent power for comparison with metal halide fixtures

** At environmental reference temperature of 25 °C

*** Available on request polycarbonate optic diffuser

**** 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

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

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

Accessories



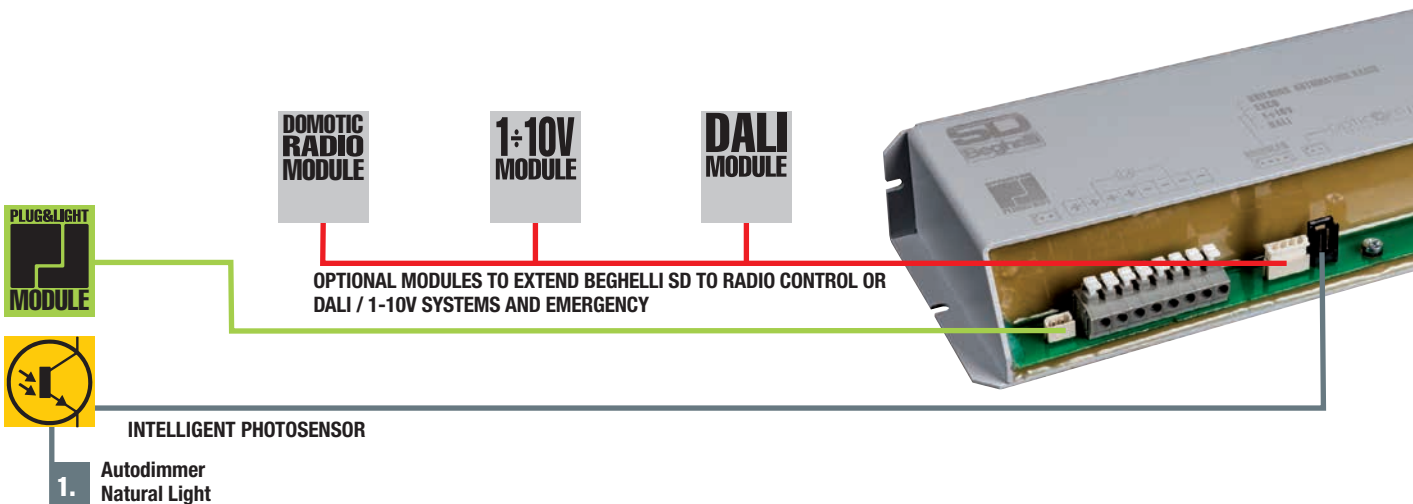
supplied

Order code	Description
15039	OPTICOM PHOTOSENSOR

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

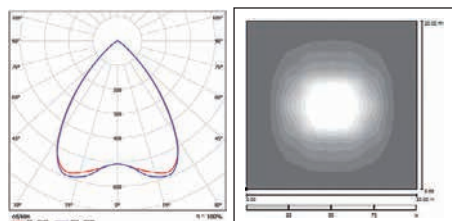
- 19377** INVERTER PLUG&LIGHT LED SE/SA 1H 20-60V IP65 to be ordered separately
- 19368** INVERTER PLUG&LIGHT LED SE/SA 1H 20-60V IP65 to be ordered separately
- 19355*** INVERTER LED AT/LG 6W 55V 123H to be ordered separately
- 19372*** INVERTER LED AT/LG 8W 55V 123H to be ordered separately
- 19390*** INVERTER EXT AT/LG 15W 55V 0,75-1-2-3-8H LTO to be ordered separately
- 19391*** INVERTER EXT AT/LG 15W 55V 0,75-1-2-3-8H LiFe to be ordered separately

* IP65 cover (order code 19376) is needed for the installation LGFM Module 19375

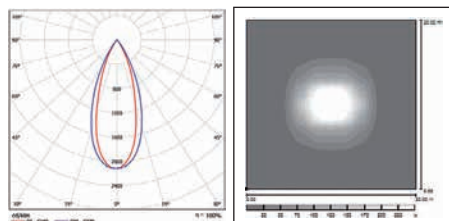
Efficiency and dimming

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:

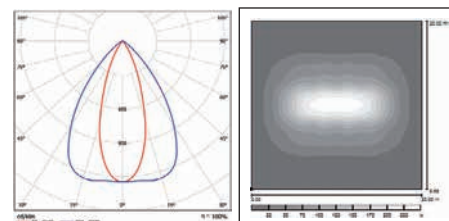
- Dimming SD** 50 %
- Device duration** +40 %
- Luminous efficiency** +10 %



Wide optic



Concentrating optic



Elliptical 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	H250SD	RIF LED 250 DIFF SD 4000K	WIDE	110	4 000	>80	119	256	18 500	16 000	134	A++	1
400	H400SD	RIF LED 400 DIFF SD 4000K	WIDE	216	4 000	>80	234	512	35 000	30 000	128	A++	1
250	H250CSD	RIF LED 250 CONC SD 4000K	CONCENTRATING	110	4 000	>80	119	256	18 500	16 000	134	A++	1
400	H400CSD	RIF LED 400 CONC SD 4000K	CONCENTRATING	216	4 000	>80	234	512	35 000	30 000	128	A++	1
250	H250ESD	RIF LED 250 ELLIT SD 4000K	ELLIPTICAL	110	4 000	>80	119	256	18 500	16 000	134	A++	1
400	H400ESD	RIF LED 400 ELLIT SD 4000K	ELLIPTICAL	216	4 000	>80	234	512	35 000	30 000	128	A++	1