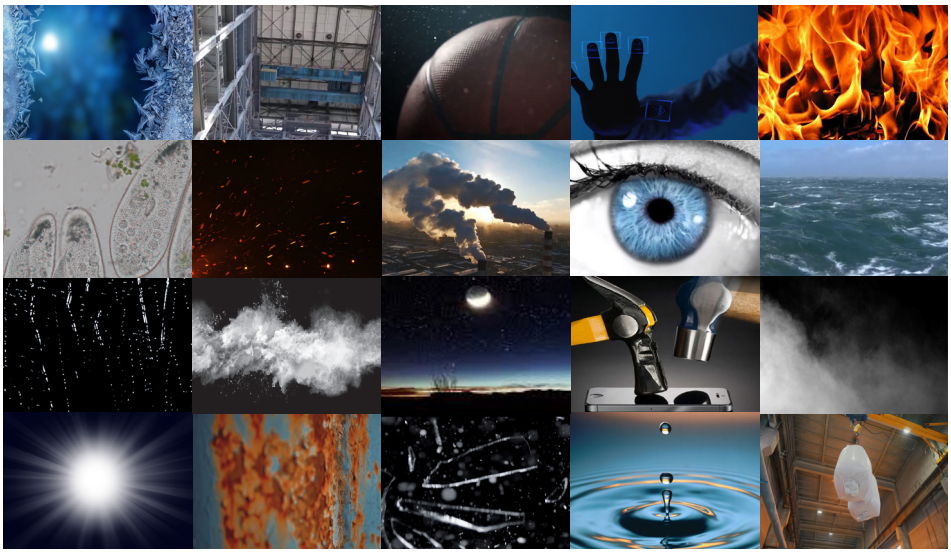
EAE LIGHTING

HBC

Functional, efficient and reliable...

EAE
LIGHTING



#challengewithlight

#hbc

Whatever your challenge is!
We have a solution.
You are confident in every
conditions under our light.
Because We Are
engineering the light

HBC HIGH BAY LUMINAIRE

Providing all kinds of industrial facilities with optimum and economic LED lighting solutions thanks to its minimized cost, HBC offers a wide range of lumen packages and arena-low bay optic options. With its efficient LED technology, multi-lens optic structure, and reliable performance, HBC creates a comfortable working environment by increasing visual comfort and minimizes energy consumption and lighting maintenance costs of businesses. HBC offers not only luminaire housings with high IP protection but also frameless and glass-frame product options that can be chosen depending on industrial usage area. Functional suspension kit options for flexible mounting ensure optimum solutions in applications. DALI and 1-10V control options are available.

OVERVIEW

Ideal for 1:1 replacement of 150W - 400W HID luminaires

HBC is ideal for 1:1 replacement of conventional luminaires with its lightweight one-point-suspension housing, high efficiency value, and long lifetime. It ensures saving not only from initial investment costs with its short period of redemption and cost efficiency but from operating expenditures with its efficient LED technology.

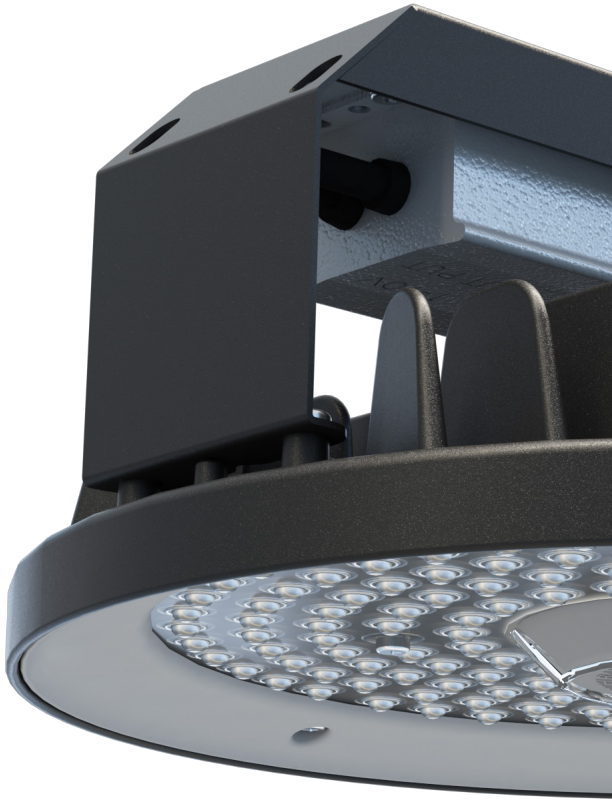
Return on Investment Period

ROI

6 MONTHS	400W HID	243W HBC LED
6 MONTHS	4x54W FL	117W HBC LED

IP66 aluminum housing

Ideal for use in all kinds of industrial facilities thanks to its housing structure with high resistance under challenging industrial ambient conditions.



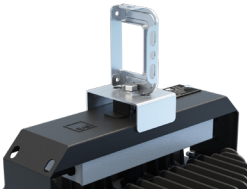
Photobiological security RG1

Excellent thermal performance & long lifetime

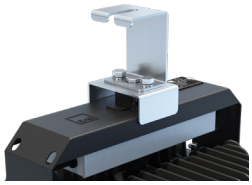
Compact housing structure with optimized dimensions ensures ideal heat rejection and guarantees a long service life.

Wide range of suspension kit options

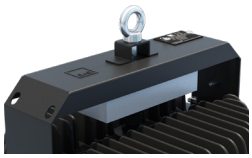
With suspension kit options developed exclusively for different ceiling types and mounting applications, HBC offers functional usage.



Busbar suspension kit



Cable tray suspension kit



One-point suspension kit

Functional usage

With its housing structure that is designed with different ambient conditions in industrial facilities in mind, HBC is available as a frameless model or model with an aluminum glass frame. In models with emergency kits, the housing is equipped with a box on top. LED indicators are used on the multi-lens front to indicate kit status.

Optimum performance

With its efficiency reaching up to 142 lm/ W, HBC ensures high energy saving in 1:1 replacement works. In addition, if it is used with motion and daylight sensors within the project, it can be activated only when it is needed or when there is no adequate daylight in the environment. This way, its energy saving rate can be increased.

Wide range of lumen packages & optic angle options

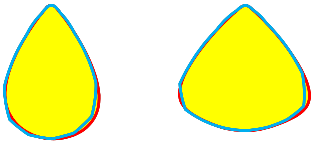
PMMA / PC multilens optic

8 klm / 14 klm / 18 klm / 20 klm / 24 klm / 28 klm package options

3000K / 4000K / 5700K / 6500K CCT options

CRI >80

60° and 90° optic angle options



LED indicator for ACK battery charge

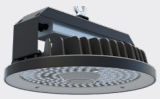
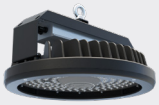
IK05
Model with Lens and ACK box

IK10
Model with Lens + Glass

Model framed with tempered glass, ideal for use in areas that require impact resistance.

IK10
Lens + Glass
Model with ACK box

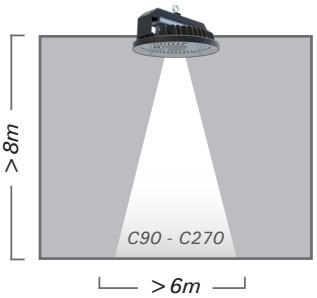
MODELS

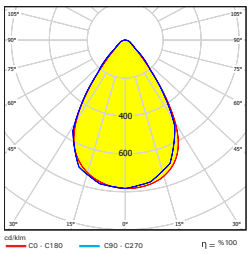
MODEL	Lm/W	LUMEN	OPTIC	BLEEDING	AMBIENT TEMPERATURE RANGE*
 HBC Lens	113-142	8k lm 12k lm 16k lm 20k lm 24k lm 28k lm	60⁰ Arena 90⁰ Lowbay	UGR < 22 UGR > 25	-20⁰C... + 53⁰C
 HBC Lens + Glass	101-126	8k lm 12k lm 16k lm 20k lm 24k lm	60⁰ Arena 90⁰ Lowbay	UGR < 22 UGR > 25	-20⁰C... + 51⁰C
HBC Lens ACK	117-142	8k lm 16k lm 20k lm	60⁰ Arena 90⁰ Lowbay	UGR < 22 UGR > 25	-20⁰C... + 40⁰C
HBC Lens + Glass ACK	102-126	8k lm 16k lm	60⁰ Arena 90⁰ Lowbay	UGR < 22 UGR > 25	-20⁰C... + 51⁰C

**Max. / Min. values of ambient operating temperature are provided. The ambient operating temperature of each product varies. Technical values may be different from measurement results. Please visit our website for detailed information.*

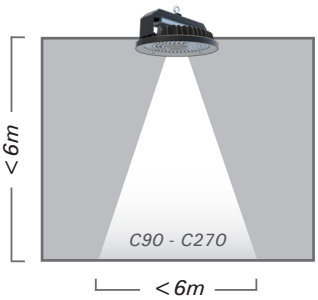
AREAS OF USAGE

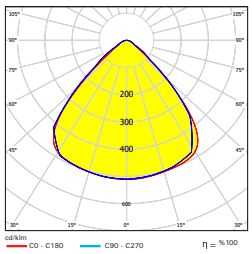
60⁰ ARENA





90⁰ LOWBAY





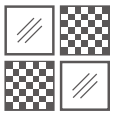
AUTOMOTIVE

LOGISTIC

PRODUCTION FACILITIES

FOOD

HEAVY INDUSTRY


GLASS & CERAMIC

HBC LENS

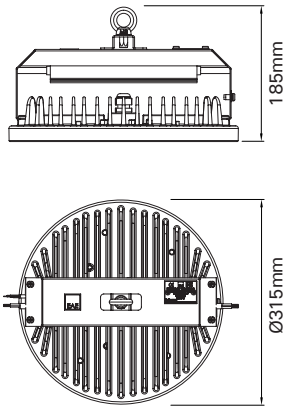
ARENA (60º) - LOWBAY (90º)

Standard Features

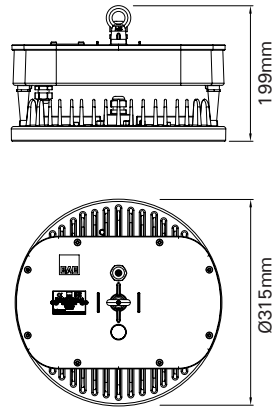
Housing	: SW 306G painted aluminium injection housing
Diffuser	: PMMA/PC
Optic	: Lens 60° / 90°
IP Grade	: IP66
Installation	: Surface mounted / Pendant
Light Source	: Mid Power LED

Tecnical Drawing

Standard



Emergency Kit (1-3 hr.)



Optical & Electrical Features*

Power	
Arena	: 78 W / 117 W / 155 W / 179 W / 243 W
Lowbay	: 78 W / 117 W / 155 W / 179 W / 243 W
Lumen	
Arena	: 9861lm / 15304lm / 20438lm / 22889lm
	27558lm
Lowbay	: 9922lm / 15576lm / 21086lm / 23229lm / 28217lm
Input Voltage	: 220-240 V AC
Frequency	: 50-60 Hz
Power Factor	: > 0,9
Color Temperature	: 3000K / 4000K / 5000K / 5700K / 6500K
CRI	: >80

**Technical specifications have ± 10 tolerance.*

Other Features & Conditions

Operating Temperature	: -20 °C/+53 °C
Operating Temp (ACK)	: +5 °C/+35 °C
Impact Resistance	: IK09
Led Life Time - L70	: > 72.000 hours @Ta= 51 °C

Optional Features

Emergency Kit Options	: 1-3 hours
DALI Option	: Yes

-20 °C +53 °C

EAE LIGHTING

H	B	C	0	7	9	U	5	7	0	A	0	0	6	0	9	K	7	P	M	A

Product Code

Product Power
079: 79W
117: 117W
155: 155W
179: 179W
243: 243W

Ceiling Type
U: Surface mounted
S: Pendant

Kelvin
27: 2700K
30: 3000K
40: 4000K
50: 5000K
57: 5700K
65: 6500K

Diffuser
OA:Open Front
SC:Serigraphed Glass

Driver Code
00: Standard
01: Standard 1H ACK
02: Standard 3H ACK
03: Dali

Optic
60 : 60
64 : 64
69 : 69
82 : 82
88 : 88
90 : 90

Lumen
Sample
2K8: 2850lm

Product Model
PMMA

HBC LENS + GLASS

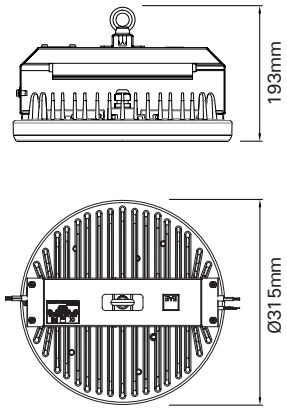
ARENA (60º) - LOWBAY (90º)

Standard Features

Housing	: SW 306G painted aluminium injection housing
Diffuser	: PMMA/PC
Optic	: Lens 60° / 90°
IP Grade	: IP66
Installation	: Surface mounted / Pendant
Light Source	: Mid Power LED

Tecnical Drawing

Standard



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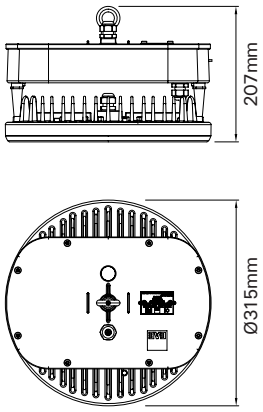


Optical & Electrical Features*

Power	
Arena	: 155 W / 243 W
Lowbay	: 78 W / 117 W / 179 W / 243 W
Lumen	
Arena	: 16617lm / 24281lm
Lowbay	: 8897lm / 13967lm / 20102lm / 24557lm
Input Voltage	: 220-240 V AC
Frequency	: 50-60 Hz
Power Factor	: > 0,9
Color Temperature	: 3000K / 4000K / 5000K / 5700K / 6500K
CRI	: >80

**Technical specifications have ± 10 tolerance.*

Other Features & Conditions

Operating Temperature	: -20 °C/+51 °C
Operating Temp (ACK)	: +5 °C/+35 °C
Impact Resistance	: IK09
Led Life Time - L70	: > 72.000 hours @Ta= 45 °C

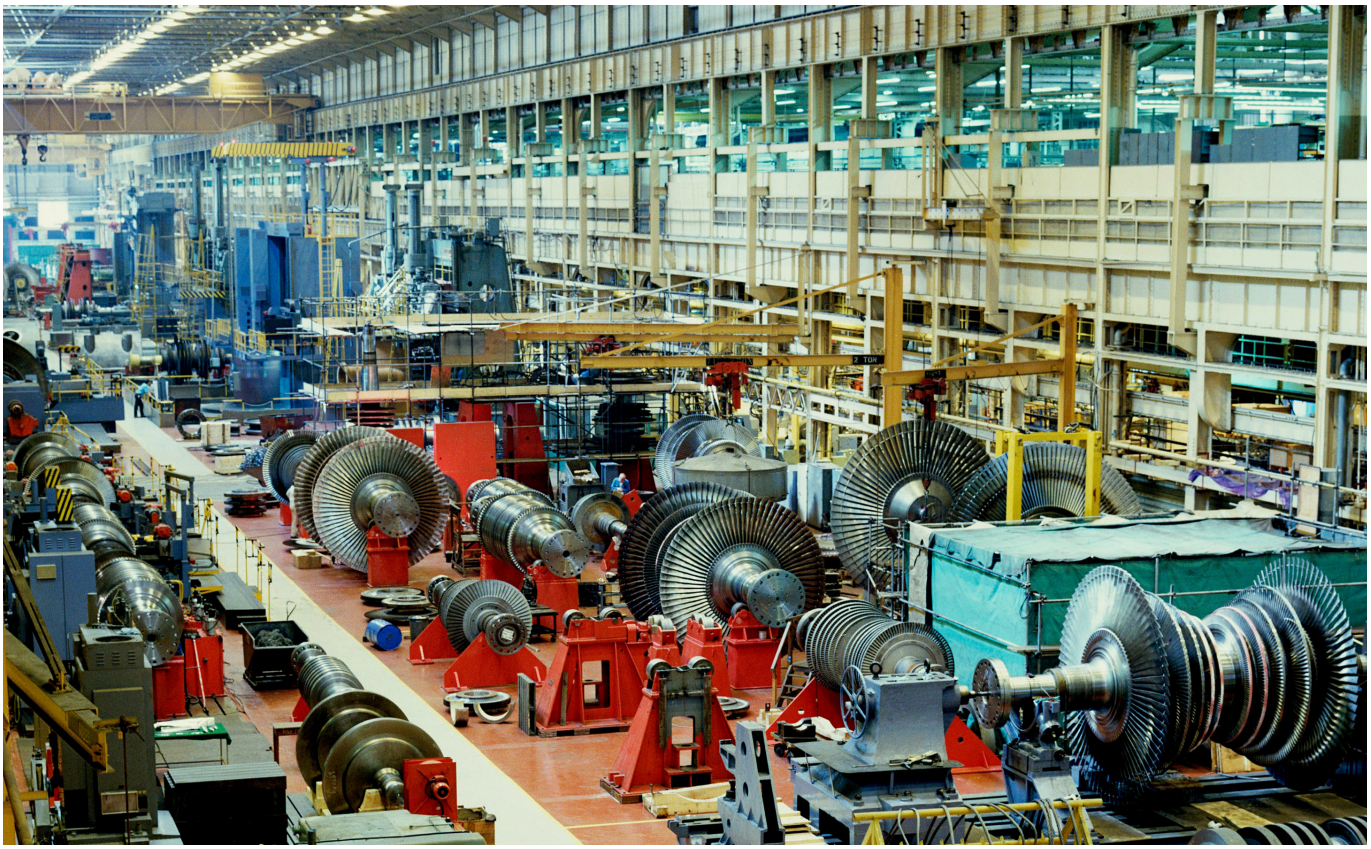
Optional Features

Emergency Kit Options	: 1-3 hours
DALI Option	: Yes

IEC EN60598 | 220V 240V | 50Hz 60Hz

-20 °C +51 °C

EAE LIGHTING



H	B	C	0	7	9	U	4	0	S	C	0	0	6	0	9	K	7	P	M	A

Product Code

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60 : 60
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88 : 88
90 : 90

Lumen
Sample
2K8: 2850lm

Product Model
PMMA

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Functional, efficient and reliable...

EAE LIGHTING-Brochure HBC - EN - Uptade Date: 03.05.2021
EAE, is provided with the right to perform changes deemed necessary without notifying in advance.
Please contact us for further information about products and details partaking in catalogue.

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