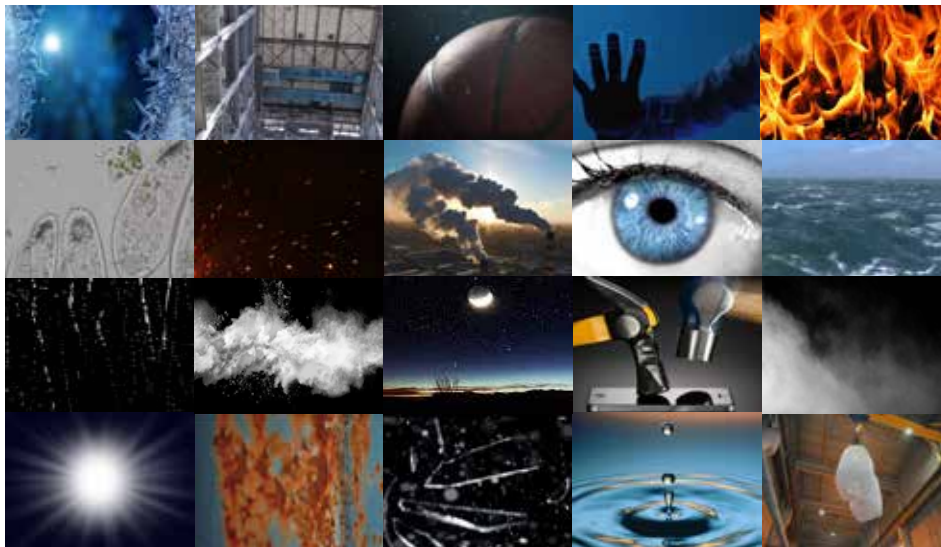




---

***HBC***

Functional, efficient and reliable...



**#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.

**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**



<b>6 MONTHS</b>		<b>400W HID</b>		<b>243W HBC LED</b>
<b>6 MONTHS</b>		<b>4x54W FL</b>		<b>117W HBC LED</b>

**Photobiological security **RG1****

**Excellent thermal performance & long lifetime**

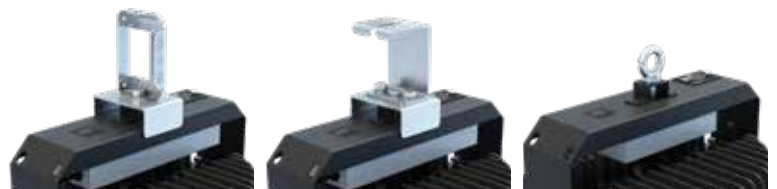
Compact housing structure with optimized dimensions ensures ideal heat rejection and guarantees a long service life.

**Wide range of suspension kit options**

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

**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.



**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

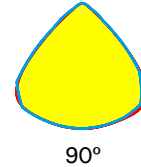
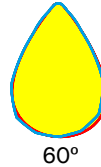
PMMA / PC multilens optic

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



ACK pil şarjı  
LED göstergesi



**IK05**  
**Model with Lens and**  
**ACK box**

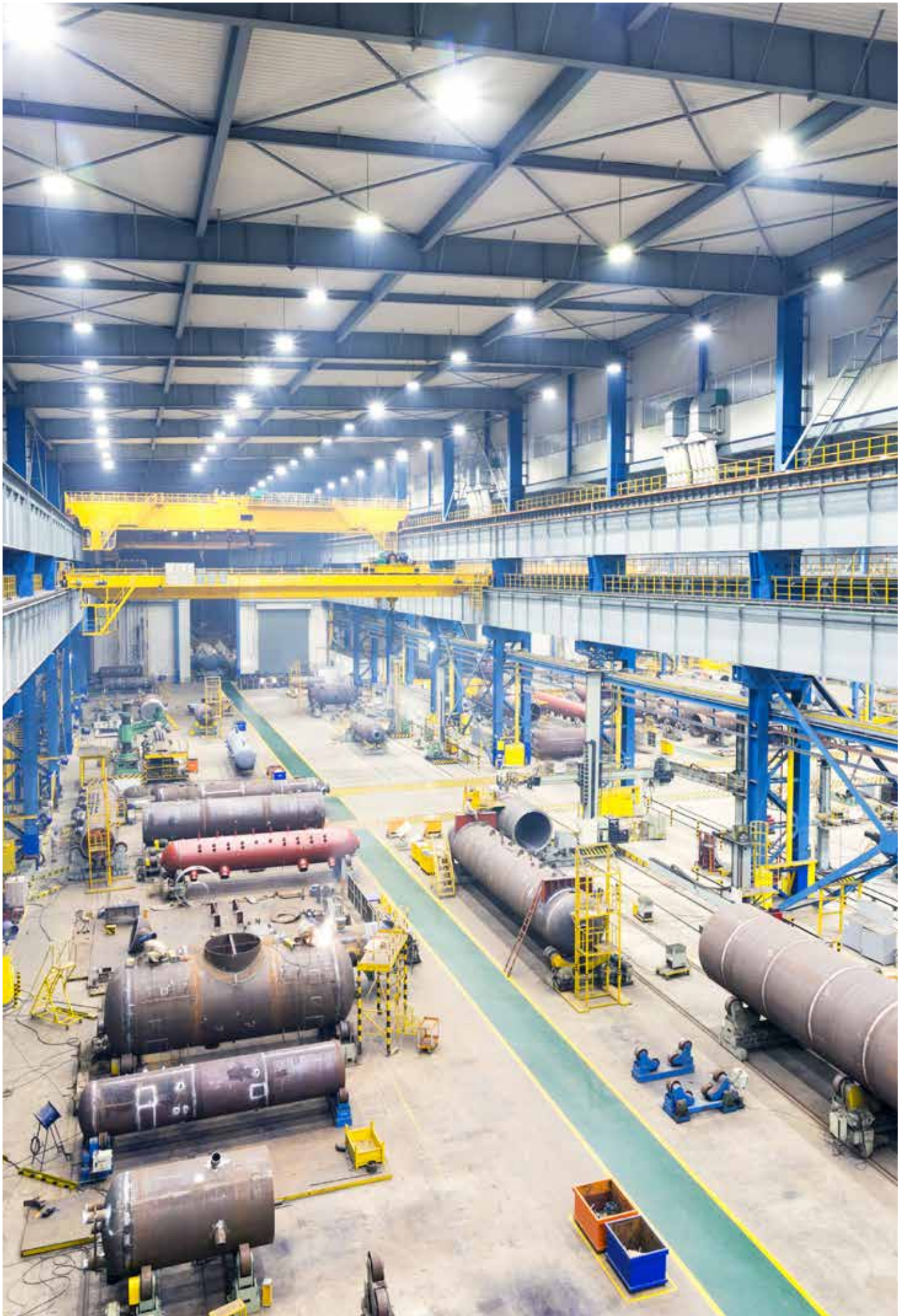


**IK10**  
**Model with Lens + Glass**





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



**IK10**  
**Lens + Glass**  
**Model with ACK box**



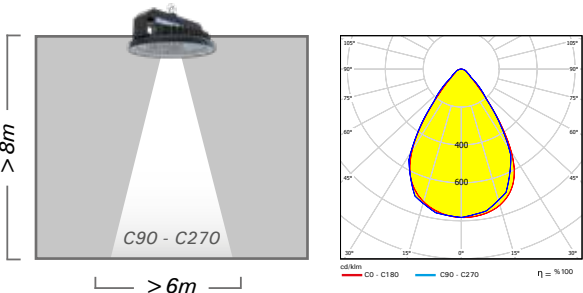
## MODELS

MODEL	Lm/W	LUMEN	OPTIC	BLEEDING	AMBIENT TEMPERATURE RANGE*
 HBC Lens	78 117 155 179 243	9860 lm 15300 lm 20437 lm 21390 lm 27557 lm	60° Arena 90° Lowbay	UGR < 22 UGR > 25	-20°C... + 53°C
 HBC Lens + Glass	79 117 179	13967 lm 18616 lm 20100 lm 20457 lm 24281 lm	60° Arena 90° Lowbay	UGR < 22 UGR > 25	-20°C... + 51°C
 HBC Lens ACK	79 120 155	10000 lm 17940 lm 20574 lm	60° Arena 90° Lowbay	UGR < 22 UGR > 25	-20°C... + 40°C
 HBC Lens + Glass ACK	79 120 155	10000 lm 17940 lm 20574 lm	60° Arena 90° Lowbay	UGR < 22 UGR > 25	-20°C... + 51°C

\*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

**60° ARENA**

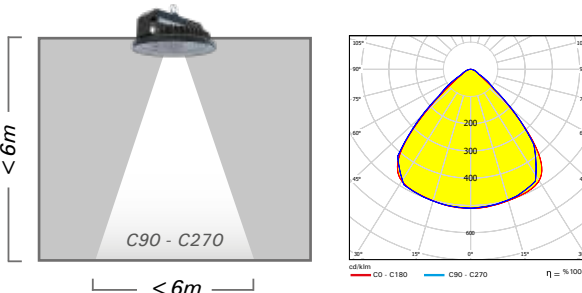


> 8m

> 6m

C90 - C270


**90° LOWBAY**




< 6m

< 6m


C90 - C270




AUTOMOTIVE




LOGISTIC



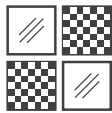
PRODUCTION FACILITIES



FOOD



HEAVY INDUSTRY



GLASS & CERAMIC

# HBC LENS

ARENA (60°) - LOWBAY (90°)



### 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

### Optical & Electrical Features\*

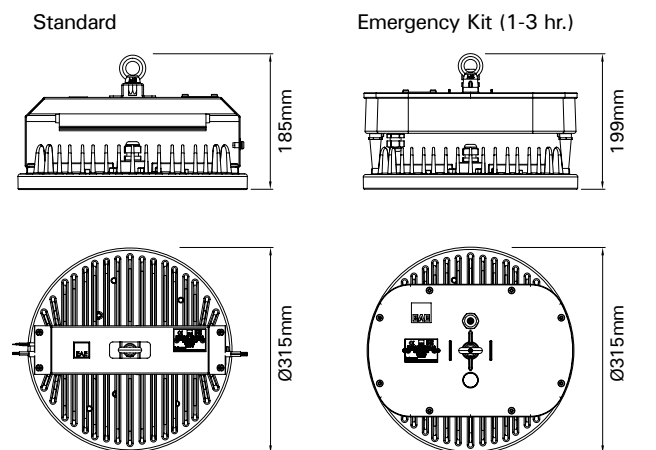
Power	
Arena	: 78 W / 117 W / 155 W / 179 W / 243 W
Lowbay	: 78 W / 117 W / 155 W / 179 W / 243 W
Lumen	
Arena	: 9861lm / 15304lm / 20438lm / 22889lm / 27558lm
Lowbay	: 9922lm / 15576lm / 21086lm / 23229lm / 28217lm
Input Voltage	: 220-240 V AC
Frequency	: 50-60 Hz
Power Factor	: > 0,9
Color Temperature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

\*Technical specifications have ± 10 tolerance.

### Other Features & Conditions

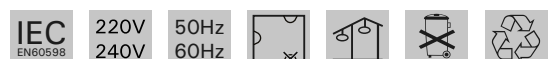
Operating Temperature	: -20 °C / +53 °C
Operating Temp (ACK)	: +5 °C / +35 °C
Impact Resistance	: IK09
Led Life Time - L70	: > 72.000 hours @Ta = 51 °C

### Technical Drawing



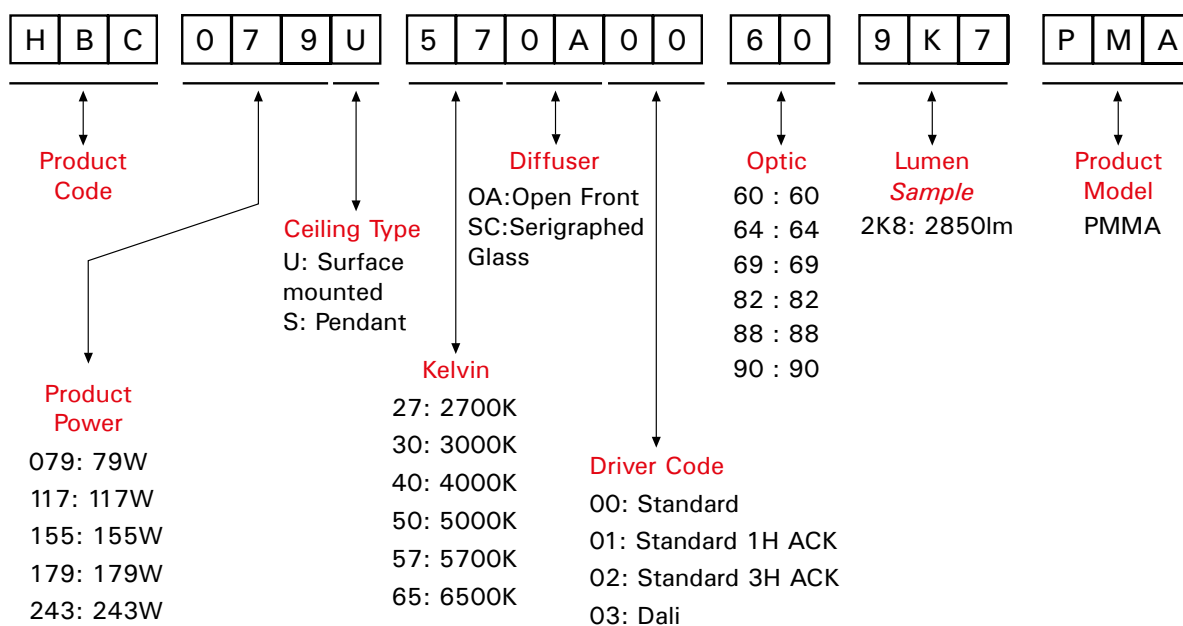
### Optional Features

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





-20°C +53°C



# HBC LENS + GLASS

ARENA (60°) - LOWBAY (90°)



## 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

## 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

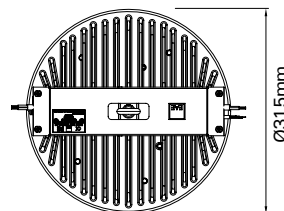
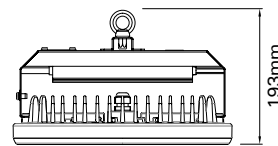
\*Technical specifications have  $\pm 10$  tolerance.

## Other Features & Conditions

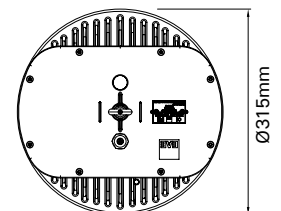
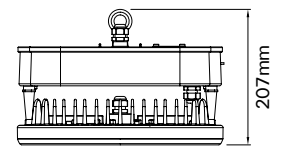
Operating Temperature	: -20 °C / +51 °C
Operating Temp (ACK)	: +5 °C / +35 °C
Impact Resistance	: IK09
Led Life Time - L70	: > 72.000 hours @Ta = 45 °C

## Technical Drawing

### Standard



### Emergency Kit (1-3 hr.)

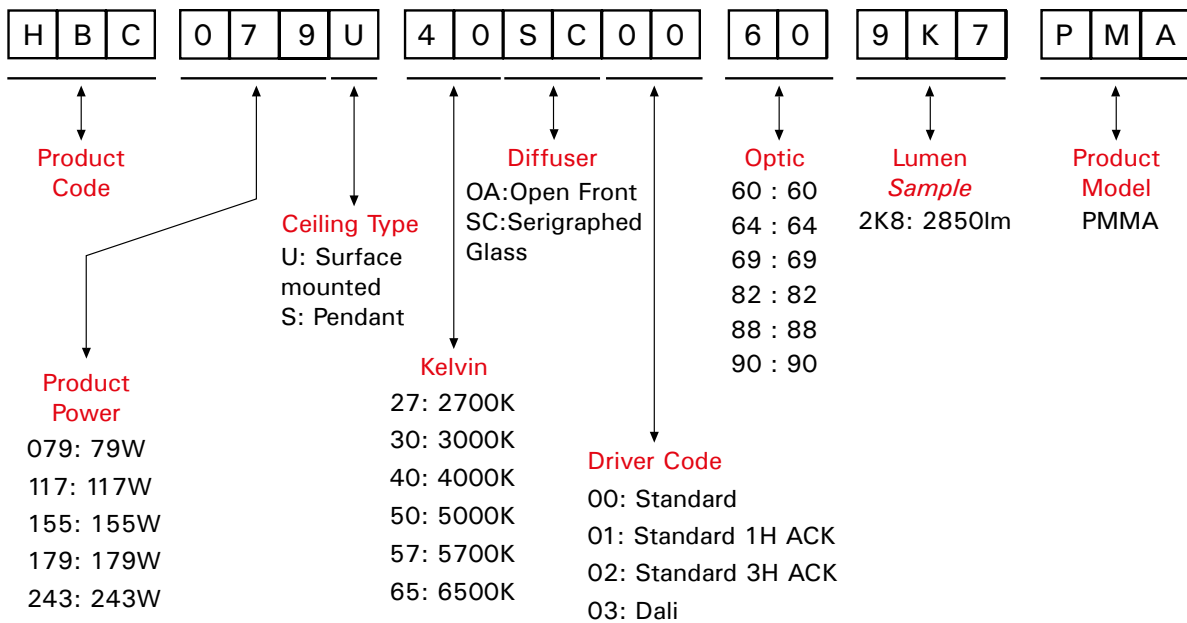


## Optional Features

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



-20°C +51°C



# HBC

Functional, efficient and reliable...

EAE LIGHTING-Brochure HBC - EN - Update Date: 28.06.2022  
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.



**EAE LIGHTING Inc.**

Ikitelli Organize Sanayi Bolgesi  
Eski Turgut Ozal Caddesi No:20  
Basaksehir / ISTANBUL - TURKEY  
Tel : +90 212 413 21 00 (pbx)  
Fax : +90 212 549 37 90  
[www.eaelighting.com](http://www.eaelighting.com)



/eae group /eae group /eae group /eae corporate /eae group /eae group

*engineering the light*