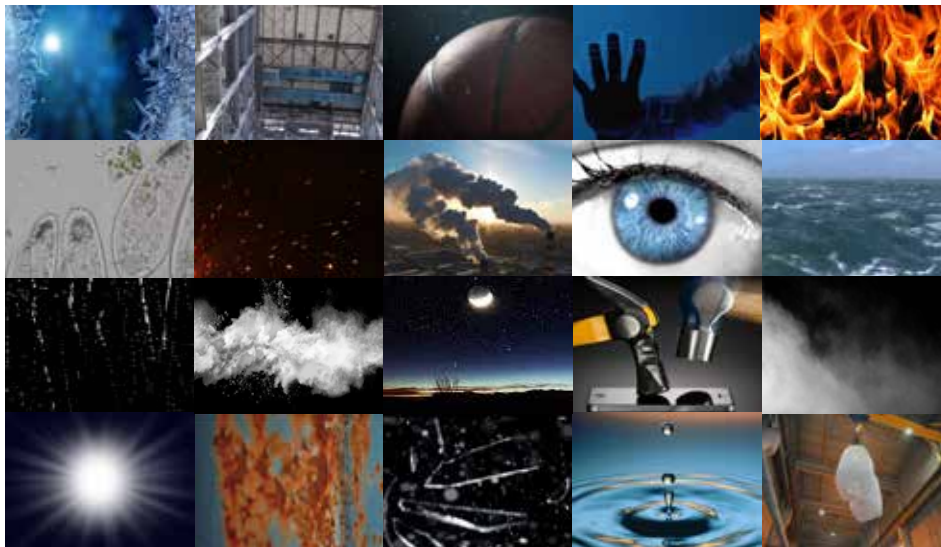




HBC

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.

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.

Return on Investment Period

ROI



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

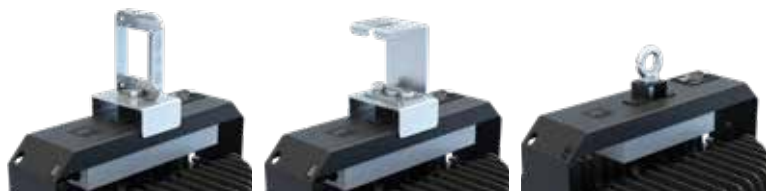
Photobiological security **RG1**

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

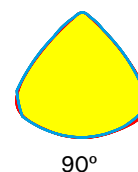
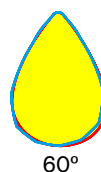
PMMA / PC multilens optic

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

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

CRI > 80

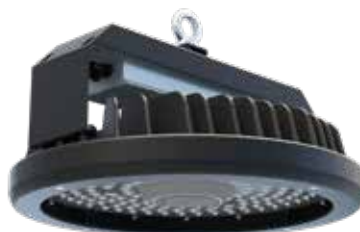
60° and 90° optic angle options



LED indicator for ACK battery charge



IK05
Model with Lens and **ACK** box

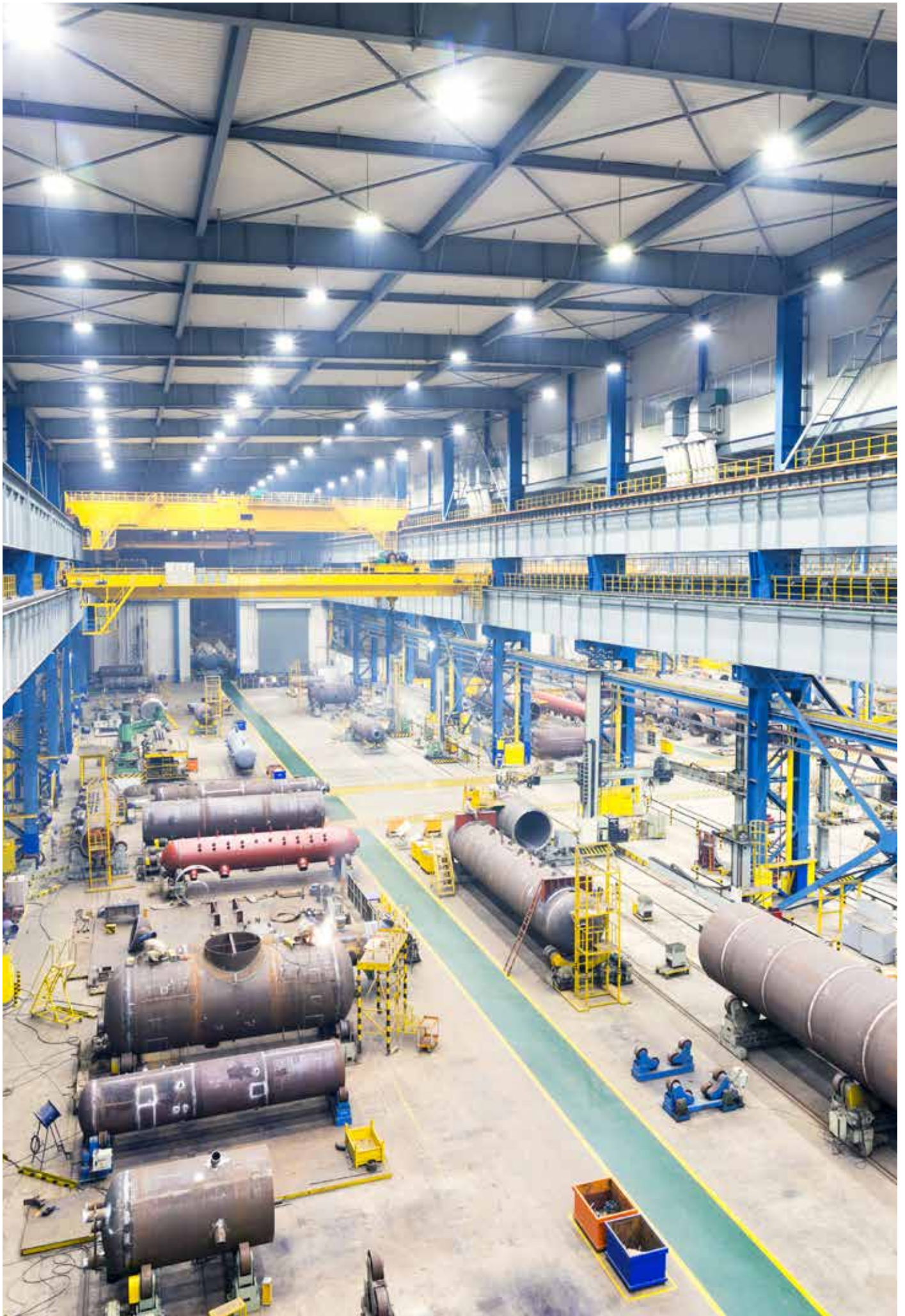


IK10
Model with Lens + Glass





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



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



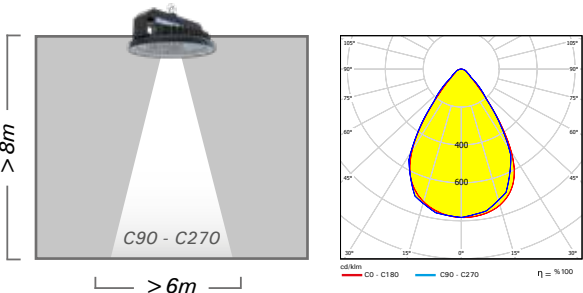
MODELS

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	60° Arena 90° Lowbay	UGR < 22 UGR > 25	-20°C... + 53°C
 HBC Lens + Glass	101-126	8k lm 12k lm 16k lm 20k lm 24k lm	60° Arena 90° Lowbay	UGR < 22 UGR > 25	-20°C... + 51°C
 HBC Lens ACK	117-142	8k lm 16k lm 20k lm	60° Arena 90° Lowbay	UGR < 22 UGR > 25	-20°C... + 40°C
 HBC Lens + Glass ACK	102-126	8k lm 16k 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



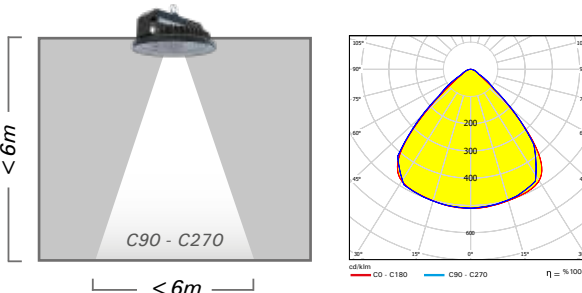
> 8m

> 6m

C90 - C270

cd/klm CO - C180 C90 - C270 η = %100

90° LOWBAY





< 6m


< 6m


C90 - C270


cd/klm CO - C180 C90 - C270 η = %100

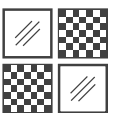

 AUTOMOTIVE


 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*

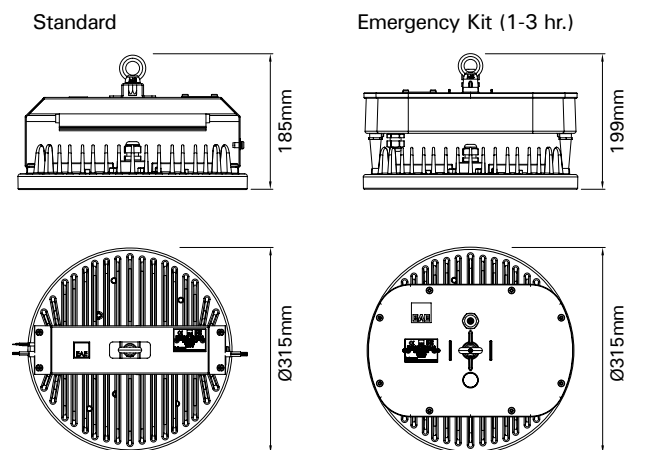
Power	
Arena	: 78 W / 117 W / 155 W / 179 W / 243 W
Lowbay	: 78 W / 117 W / 155 W / 179 W / 243 W
Lumen	
Arena	: 9861lm / 15304lm / 20438lm / 22889lm / 27558lm
Lowbay	: 9922lm / 15576lm / 21086lm / 23229lm / 28217lm
Input Voltage	: 220-240 V AC
Frequency	: 50-60 Hz
Power Factor	: > 0,9
Color Temperature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

*Technical specifications have ± 10 tolerance.

Other Features & Conditions

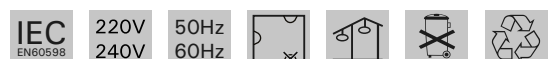
Operating Temperature	: -20 °C / +53 °C
Operating Temp (ACK)	: +5 °C / +35 °C
Impact Resistance	: IK09
Led Life Time - L70	: > 72.000 hours @Ta = 51 °C

Technical Drawing

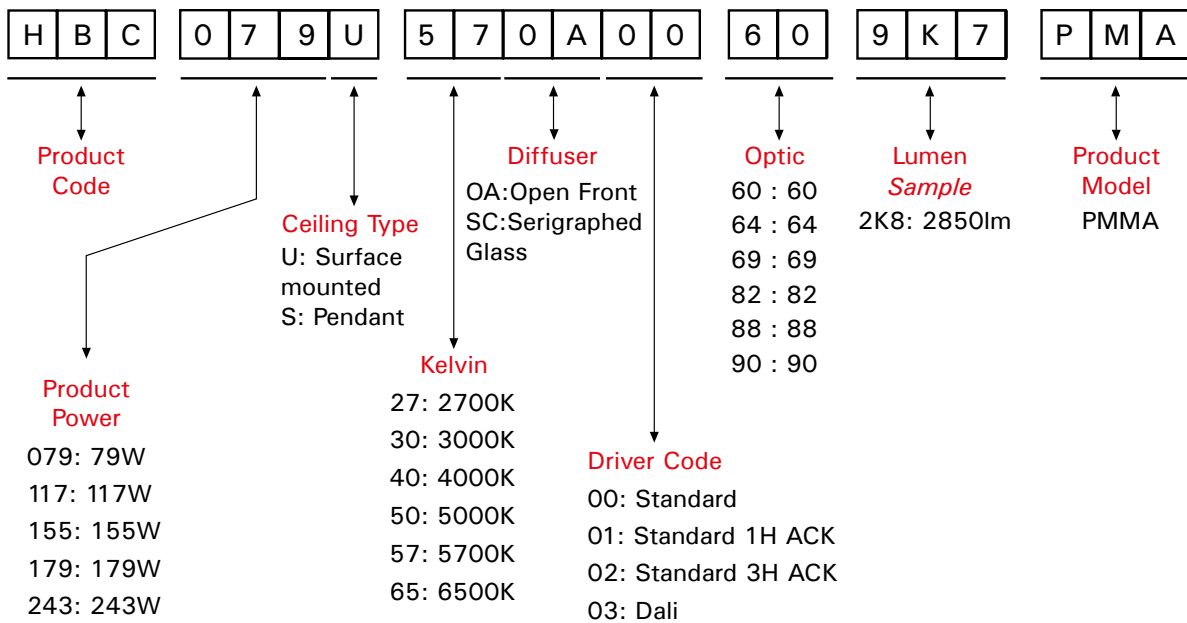


Optional Features

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

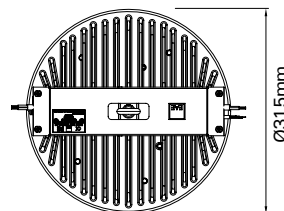
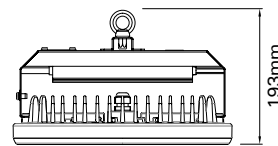
*Technical specifications have ± 10 tolerance.

Other Features & Conditions

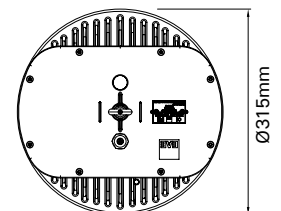
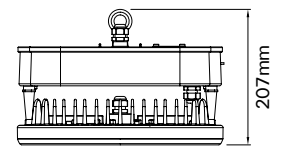
Operating Temperature	: -20 °C / +51 °C
Operating Temp (ACK)	: +5 °C / +35 °C
Impact Resistance	: IK09
Led Life Time - L70	: > 72.000 hours @Ta = 45 °C

Technical Drawing

Standard



Emergency Kit (1-3 hr.)

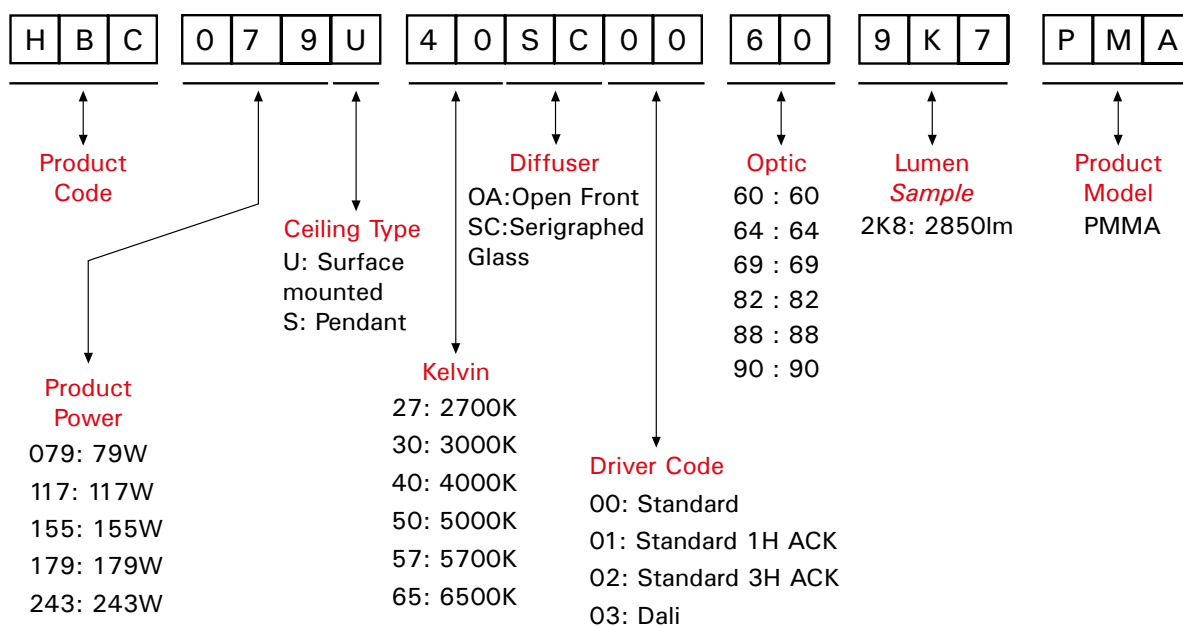


Optional Features

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: 05.04.2021
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Please contact us for further information about products and details partaking in catalogue.



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