



LED High-Bay Lighting

LED High-Bay Lighting

STACCATO

Robustness meets efficiency



65°C

125 | 150 | 200 | 260 | 310 W

75°C

130 | 150 | 200 W

90°C

125 | 150 | 200 | 260 W

STACCATO is a range of robust and durable industrial LED high-bay luminaires, designed for resilience in extreme hot and cold conditions. Available in three temperature ranges, it features tempered glass protection and double over-temperature protection for enhanced durability and safety. With its powerful illumination and resilient construction, this high-bay luminaire is an excellent choice for industrial settings where both lighting performance and protective measures are crucial.

Key Features

- Robust & Durable
- Excellent Thermal Control Function
- Tempered Glass Protection
- Dimming & Integrated Sensor Function
- Convenient Installation Options
- With up to 178 lm/W Efficacy



Industrial



Factory



Cold Storage



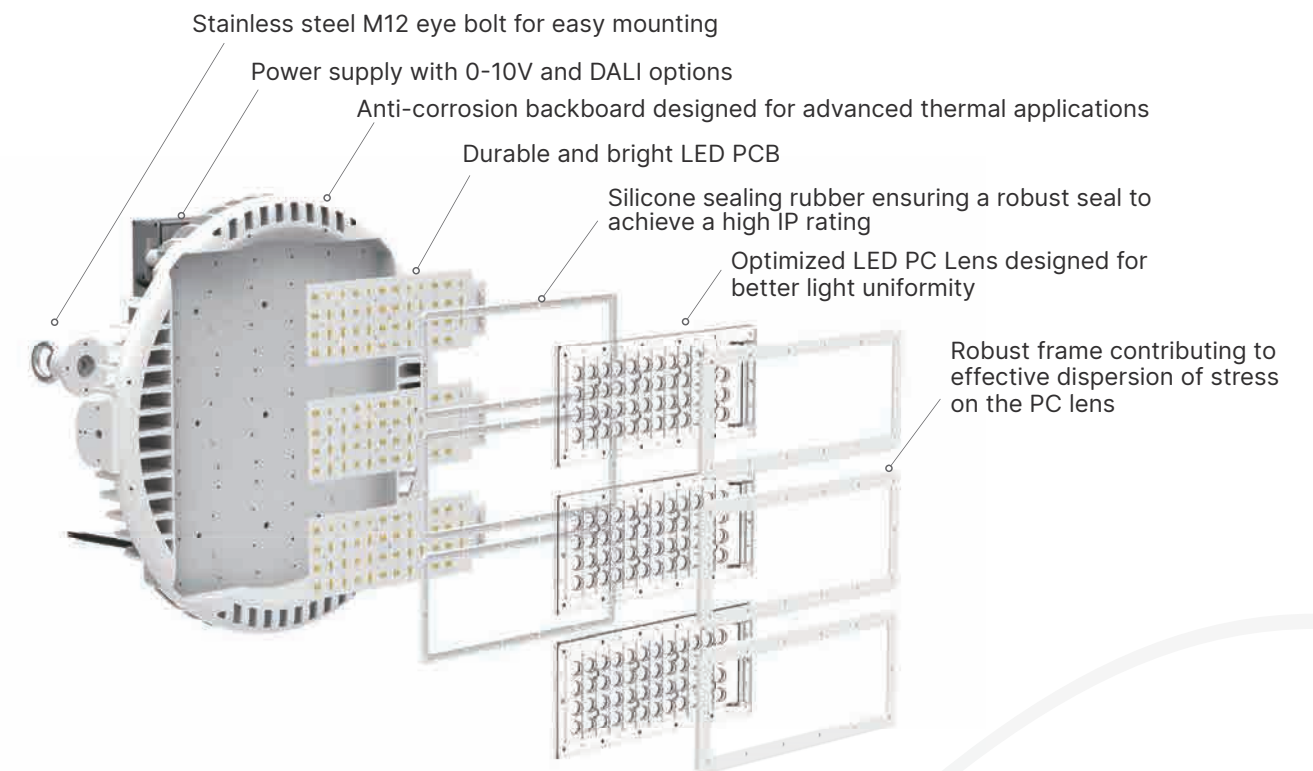
Transport



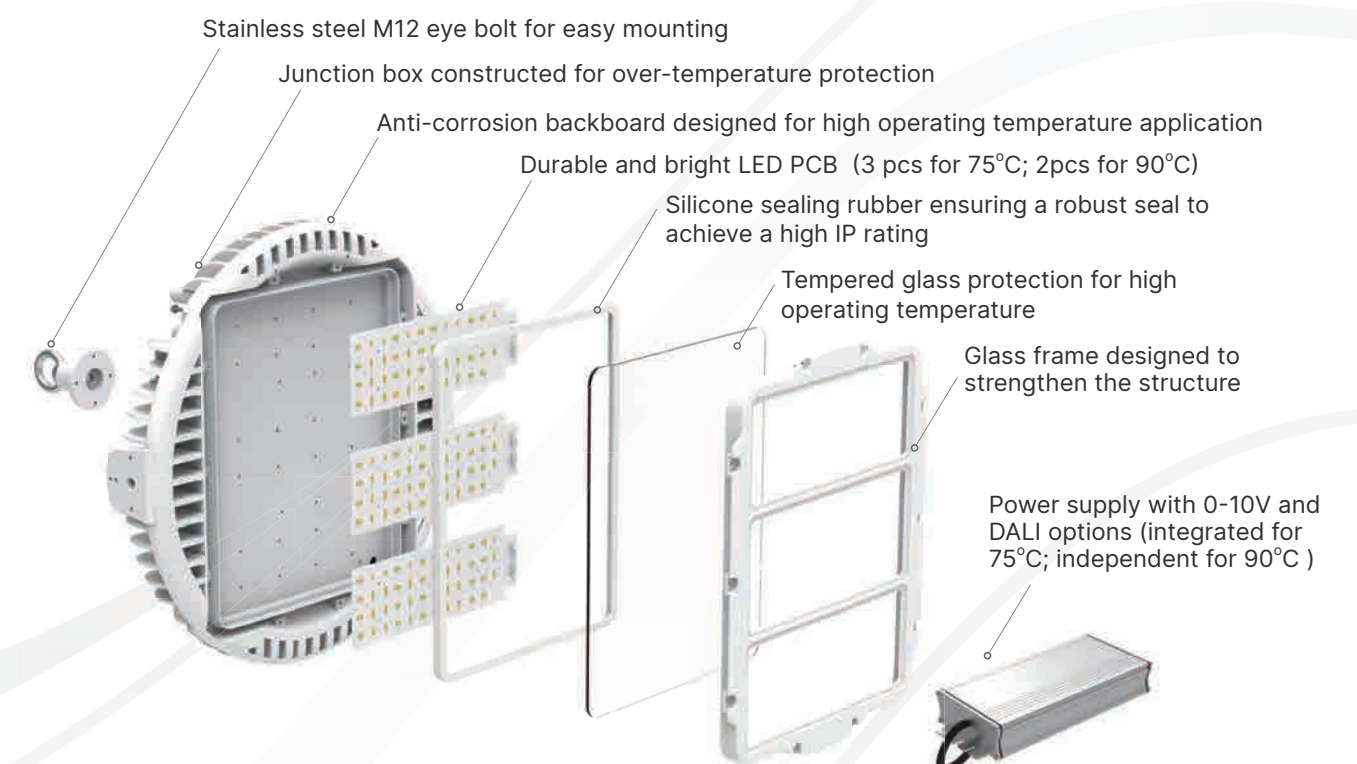
Warehouse

Product Components

Lens version 65°C



Glass version 75°C / 90°C





65°C



75°C & 90°C

Technical Data

Electrical Data

Nominal wattage	125 – 310 W
Nominal voltage	220 – 240 V
Power factor	>0.95
Total harmonic distortion	<20%
Surge protection	10kV
Protection class	Class I
Driver efficiency and mounting	>90%
Operating mode	0-10 V DALI

Photometric Data

Luminous flux	19 200 to 51 200 lm
Luminous efficacy	138 – 175 lm/W
Color temperature	4000K 5000K
Color rendering index	>80 (65°C & 75°C) / >70 (90°C)
Standard deviation of color matching	3 SDCM
Beam angle	60°; 100°; 65° x 100°; 110°; 115° x 105°
UGR	<27

Materials & Colors

Product color	White color
Housing color	Anti-corrosion white paint coating RAL9003
Body material	Die casting aluminum
Optics material	Polycarbonate with F1 rating
Seal material	Silicone rubber

Application & Mounting

Ambient temperature range	-40 to +65°C (+65°C) -40 to +75°C (+75°C) -20 to +90°C (+90°C)
Ingress protection rating	IP66 (65°C) / IP65 (75°C & 90°C) IK10 (65°C) / IK07 (75°C & 90°C)

Lifespan

Lifespan L80B10 at Ta=25°C	100 000 h (65°C & 90°C) 60 000 h (75°C)
----------------------------	--



Order Guide

Staccato 65°C - 100° - 4000K

Material number	HBEC4H0AE	HBEBF4H0AE	HBEBK4H0AE	HBEBR4H0AE	HBEBW4H01E
Lumen output (lm)	20 000	26 200	33 100	42 600	50 200
Power (W)	125	150	200	260	310
Efficacy (lm/W)	160	175	166	164	162
Dimensions (mm)	440 x 160				
CCT	4000K				
Operating temp.	-40 to +65°C				-40 to +50°C
Beam angle	100°				
Control interface	DALI				0-10V
Lifetime	L80B10 >100 000h at Ta=25°C				

Staccato 65°C - 60° - 4000K

Material number	HBEC460AE	HBEBF460AE	HBEBK460AE	HBEBR460AE	HBEBW4601E
Lumen output (lm)	19 200	25 200	31 500	40 500	48 200
Power (W)	125	150	200	260	310
Efficacy (lm/W)	154	168	158	156	155
Dimensions (mm)	440 x 160				
CCT	4000K				
Operating temp.	-40 to +65°C				-40 to +50°C
Beam angle	60°				
Control interface	DALI				0-10V
Lifetime	L80B10 >100 000h at Ta=25°C				

Staccato 65°C - 65° x 100° - 4000K

Material number	HBEC4A3AE	HBEBF4A3AE	HBEBK4A3AE	HBEBR4A3AE	HBEBW4A31E
Lumen output (lm)	20 200	265 200	33 100	42 600	50 200
Power (W)	125	150	200	260	310
Efficacy (lm/W)	160	175	166	164	162
Dimensions (mm)	440 x 160				
CCT	4000K				
Operating temp.	-40 to +65°C				-40 to +50°C
Beam angle	65 °x 100°				
Control interface	DALI				0-10V
Lifetime	L80B10 >100 000h at Ta=25°C				

Staccato 65°C - 100° - 5000K

Material number	HBEC5H0AE	HBEBF5H0AE	HBEBK5H0AE	BEBR5H0AE	HBEBW5H01E
Lumen output (lm)	20 400	26 700	33 700	43 400	51 200
Power (W)	125	150	200	260	310
Efficacy (lm/W)	163	178	169	167	165
Dimensions (mm)	440 x 160				
CCT	5000K				
Operating temp.	-40 to +65°C				-40 to +50°C
Beam angle	100°				
Control interface	DALI				0-10V
Lifetime	L80B10 >100 000h at Ta=25°C				

Staccato 65°C - 60° - 5000K

Material number	HBEC560AE	HBEBF560AE	HBEBK560AE	HBEBW5600E	HBEBW5600E
Lumenoutput (lm)	19 500	25 500	32 500	41 500	49 200
Power (W)	125	150	200	260	310
Efficacy (lm/W)	156	170	163	160	159
Dimensions (mm)	440 x 160				
CCT	5000K				
Operating temp.	-40 to +65°C				-40 to +50°C
Beam angle	60°				
Control interface	DALI				0-10V
Lifetime	L80B10 >100 000h at Ta=25°C				

Order Guide

Staccato 65°C - 65° x 100° - 5000K					
Material number	HBEC5H0AE	HBEBF5H0AE	HBEBK5H0AE	HBEBR5H0A	HBEBW5H01E
Lumen output (lm)	20 400	26 700	33 700	43 400	51 200
Power (W)	125	150	200	260	310
Efficacy (lm/W)	163	178	169	167	165
Dimensions (mm)	440 x 160				
CCT	5000K				
Operating temp.	-40 to +65°C				-40 to +50°C
Beam angle	65 °x 100°				
Control interface	DALI				0-10V
Lifetime	L80B10 >100 000h at Ta=25°C				

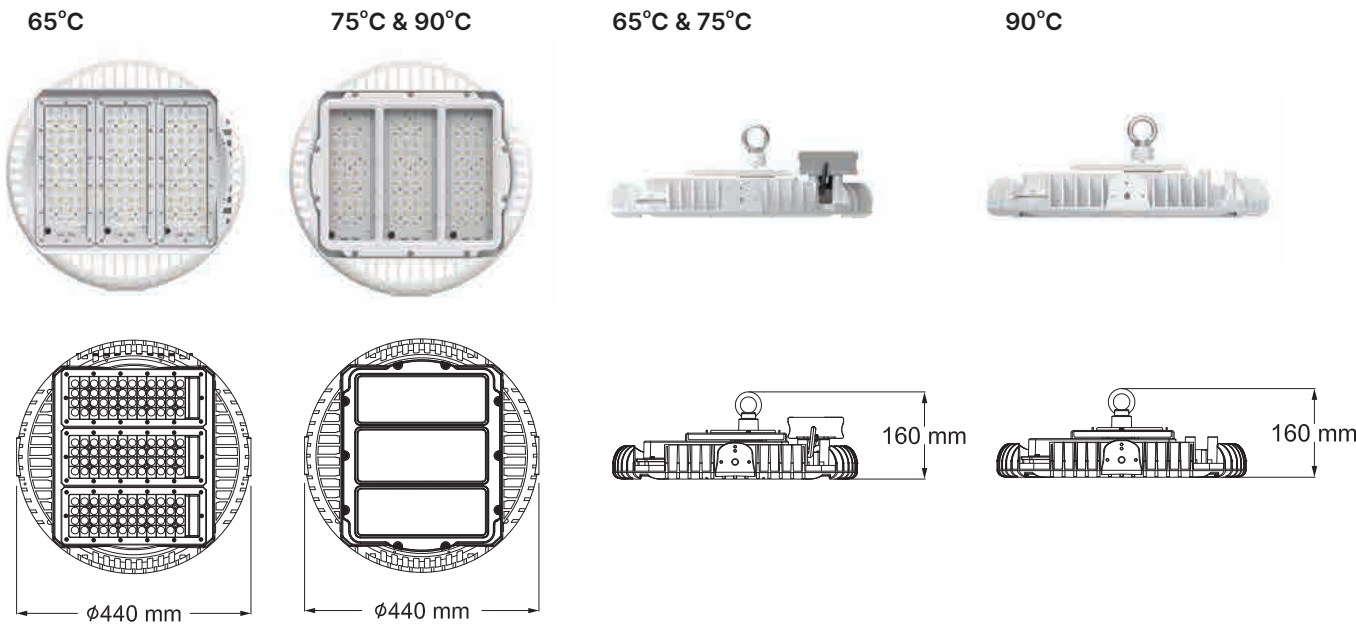
Staccato 75°C - 110° - 4000K			
Material number	HBEBD4G11E	HBEBF4G11E	HBEBK4G11E
Lumen output (lm)	19 500	22 500	28 500
Power (W)	130	150	200
Efficacy (lm/W)	150	150	143
Dimensions (mm)	440 x 160		
CCT	4000K		
Operating temp.	-40 to +75°C		
Beam angle	110° / Tempered-Glass		
Control interface	0-10V		
Lifetime	L80B10 >60 000h at Ta=25°C		

Staccato 75°C - 110° - 5000K			
Material number	HBEBD5G11E	HBEBF5G11E	HBEBK5G11E
Lumen output (lm)	19 800	22 900	29 000
Power (W)	130	150	200
Efficacy (lm/W)	152	153	145
Dimensions (mm)	440 x 160		
CCT	5000K		
Operating temp.	-40 to +75°C		
Beam angle	110° / Tempered-Glass		
Control interface	0-10V		
Lifetime	L80B10 >60 000h at Ta=25°C		

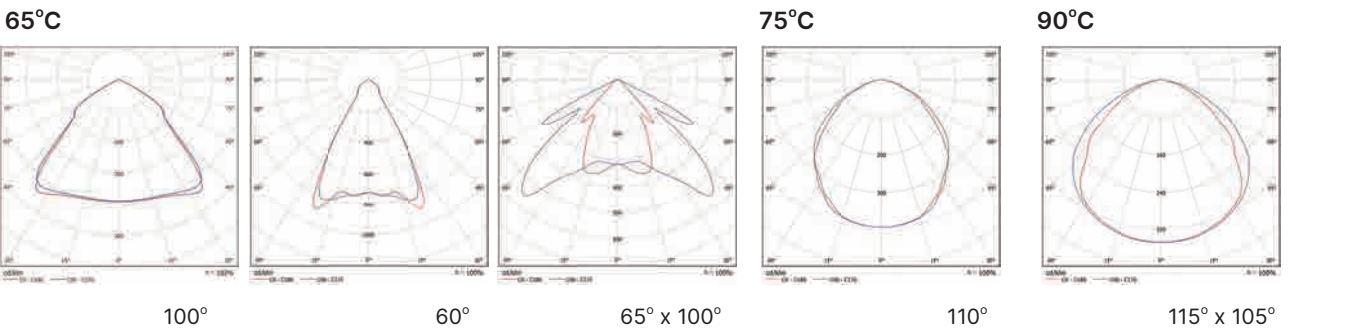
Staccato 90°C - 115° x 105° - 4000K				
Material number	HBEC4G1NE-T	HBEBF4G1NE-T	HBEBK4G1NE-T	HBEBR4G1NE-T
Lumen output (lm)	20 000	23 000	29 000	36 000
Power (W)	125	150	200	260
Efficacy (lm/W)	160	153	145	138
Dimensions (mm)	440 x 160			
CCT	4000K			
Operating temp.	-20 to +90°C			
Beam angle	115° x 105° / Tempered-Glass			
Control interface	0-10V (DALI optional)			
Lifetime	L80B10 >100 000h at Ta=25°C			

Staccato 90°C - 115° x 105° - 5000K				
Material number	HBEC5G1NE-T	HBEBF5G1NE-T	HBEBK5G1NE-T	HBEBR5G1NE-T
Lumen output (lm)	20 000	23 000	29 000	36 000
Power (W)	125	150	200	260
Efficacy (lm/W)	160	153	145	138
Dimensions (mm)	440 x 160			
CCT	5000K			
Operating temp.	-20 to +90°C			
Beam angle	115° x 105° / Tempered-Glass			
Control interface	0-10V (DALI optional)			
Lifetime	L80B10 >100 000h at Ta=25°C			

Product Orientation & Dimensions



Photometry



Accessories



Naming Rules

Example	Code	Product code							
	HBE	Staccato							
		Code	Mounting type						
		B	Eye bolt						
			Code	Power consumption					
			C	125W					
			F	150W					
			K	200W					
			R	260W					
			W	310W					
			D	130W					
				Code	CCT				
				4	4000K				
				5	5000K				
					Code	Optics			
					60	Symmetric 60°			
				H0	Symmetric 100°				
				A3	Asymmetric 65° x 110° for Aisle				
				G1	Glass version				
					Code	Dimming option			
					1	0-10V dimming			
					A	DALI			
					N	External driver			
						Code	Region		
						E	EMEA		
							Code	Prefix	
							-T	High Temperature	
							-V	347-480 V	