

essenz

The essence of
professional lighting



RUBITECH
brightens up

Essenz highbay

The Essenz highbay with proven LED technology brings you the essence of professional lighting for the best price. The new generation Essenz has been designed as the most effective of its kind. The gap between the driver and the heatsink in combination with the smart designed ribs ensure excellent heat exchange and therefore optimal cooling. Easy to install, cost effective and competitive. Reliable European quality in a smart design.

Highlights of Essenz



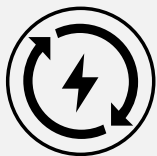
Made in EU

Enabling delivery of consistent high quality, short lead times, flexible planning and low carbon footprint.



Excellent heat management

New design ensures excellent heat exchange and cooling of the heatsink and LEDs.



Energy savings

Energy savings up to 70% and significant reduction on maintenance costs.



5 year warranty

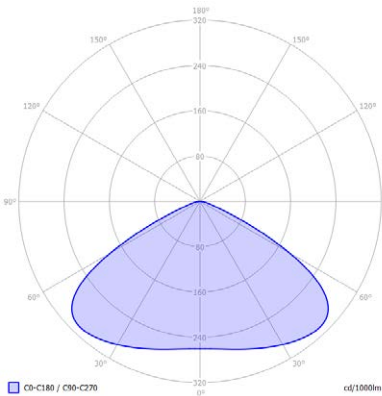
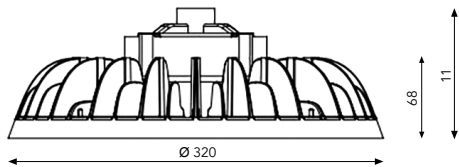
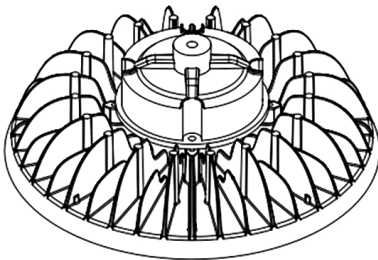
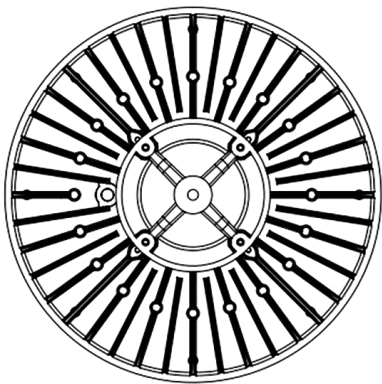
Due to a failure rate of less than one in a thousand, we will replace any lamp in the unlikely event that one might break down.

	HB 100 W	HB 150 W	HB 200W
INPUT POWER	100W	150W	200W
BODY SIZE	ø32 cm, height 8 cm	ø32 cm, height 8 cm	ø32 cm, height 8 cm
BODY MATERIAL	Aluminium, powder coated	Aluminium, powder coated	Aluminium, powder coated
OUTPUT	16.500 Lumen	24.000 Lumen	30.000 Lumen
CCT	5.000K / option 4.000K	5.000K / option 4.000K	5.000K / option 4.000K
CRI RA	>70	>70	>70
OPERATING TEMPERATURE	-30°C till + 45°C	-30°C till + 45°C	-30°C till + 45°C
EFFICIENCY	165 lm/W	160 lm/W	150 lm/W
LED	207 pcs	207 pcs	207 pcs
LED TYPE	Bridgelux chip (triple die) 30/30	Bridgelux chip (triple die) 30/30	Bridgelux chip (triple die) 30/30
PF	>0.97	>0.97	>0.97
LIFETIME @ 25°C	50.000 + Hr / L70B10	50.000 + Hr / L70B10	50.000 + Hr / L70B10
LUMEN MAINTENANCE	L80 B10	L80 B10	L80 B10
IP	IP 65	IP 65	IP 65
BEAM ANGLE	120° / 90° / option 60°	120° / 90° / option 60°	120° / 90° / option 60°
WEIGHT	3 kg	3 kg	3 kg
SUSPENSION EYE	Yes	Yes	Yes
CABLE LENGTH	0.3 mtr	0.3 mtr	0.3 mtr
GLAND	Cable Gland	Cable Gland	Cable Gland
COVER	PC	PC	PC
IK	IK08	IK08	IK08
CABLE END	Open	Open	Open
DIMMING	0 - 10 volt / option Dali	0 - 10 volt / option Dali	0 - 10 volt / option Dali
PRODUCT COLOR	Black	Black	Black
PACKAGING	1 piece	1 piece	1 piece
WARRANTY	5 years	5 years	5 years
MAXIMUM MEASURING POINT TEMPERATURE	< 65°C	< 65°C	< 65°C
STORAGE TEMPERATURE RANGE	-40°C till + 55°C	-40°C till + 55°C	-40°C till + 55°C

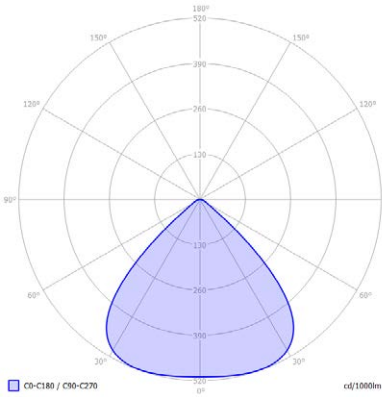
Applied industries: warehousing, logistics, assembly, garages, steel and wood industry



Item nr.	Abbreviation	Color temp.	Dimming	CRI	Total luminous flux	Beam angle	Optics	Power consumption	Efficiency
43090.00	ESS-100-090-5000	5.000K	0 - 10 volt Option Dali	Ra >70	16.500	90°	PC	100 W	165 lm/W
43090.01	ESS-100-120-5000	5.000K	0 - 10 volt Option Dali	Ra >70	16.500	120°	PC	100 W	165 lm/W
43091.00	ESS-150-090-5000	5.000K	0 - 10 volt Option Dali	Ra >70	24.000	90°	PC	150 W	160 lm/W
43091.01	ESS-150-120-5000	5.000K	0 - 10 volt Option Dali	Ra >70	24.000	120°	PC	150 W	160 lm/W
43092.00	ESS-200-090-5000	5.000K	0 - 10 volt Option Dali	Ra >70	30.000	90°	PC	200 W	150 lm/W
43092.01	ESS-200-120-5000	5.000K	0 - 10 volt Option Dali	Ra >70	30.000	120°	PC	200 W	150 lm/W



Polair diagram 120°



Polair diagram 90°

Essenz 200W 90g

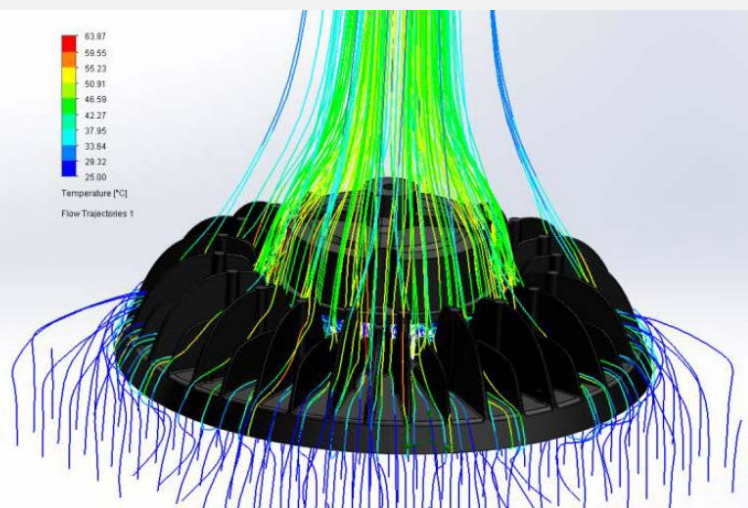
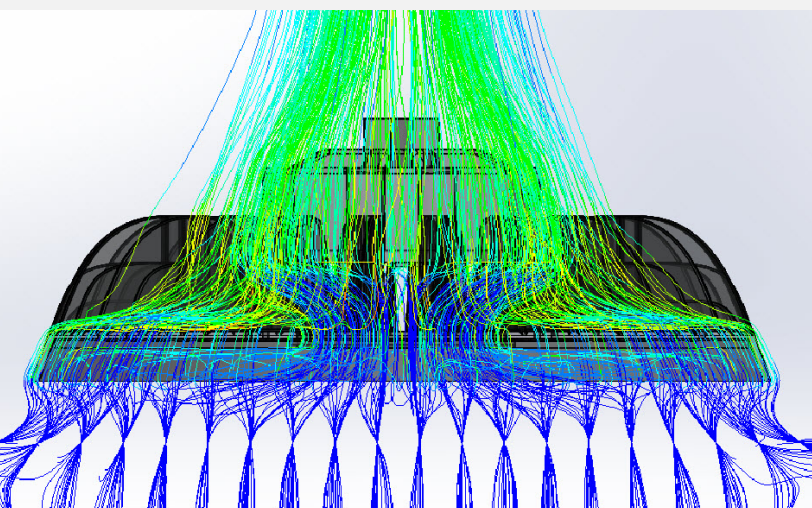
Glare evaluation According to UGR										
ρ Ceiling	70	70	50	50	30	70	70	50	50	30
ρ Walls	50	30	50	30	30	50	30	50	30	30
ρ Floor	20	20	20	20	20	20	20	20	20	20

Room size										
X	Y	Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis			
2H	2H	27.9	28.9	28.2	29.1	29.3	27.9	28.9	28.2	29.1
	3H	27.9	28.7	28.2	29.0	29.2	27.9	28.7	28.2	29.0
	4H	27.9	28.7	28.2	28.9	29.2	27.9	28.7	28.2	28.9
	6H	27.8	28.6	28.2	28.8	29.1	27.8	28.6	28.2	28.8
	8H	27.8	28.5	28.2	28.8	29.1	27.8	28.5	28.2	28.8
	12H	27.8	28.4	28.2	28.8	29.1	27.8	28.4	28.2	28.8
4H	2H	27.8	28.6	28.1	28.8	29.1	27.8	28.6	28.1	28.8
	3H	27.8	28.4	28.2	28.8	29.1	27.8	28.4	28.2	28.8
	4H	27.8	28.4	28.2	28.7	29.1	27.8	28.4	28.2	28.7
	6H	27.8	28.3	28.2	28.7	29.0	27.8	28.3	28.2	28.7
	8H	27.8	28.2	28.2	28.6	29.0	27.8	28.2	28.2	28.6
	12H	27.8	28.2	28.2	28.6	29.0	27.8	28.2	28.2	28.6
8H	4H	27.8	28.2	28.2	28.6	29.0	27.8	28.2	28.2	28.6
	6H	27.8	28.1	28.2	28.5	29.0	27.8	28.1	28.2	28.5
	8H	27.8	28.1	28.2	28.5	29.0	27.8	28.1	28.2	28.5
	12H	27.7	28.0	28.2	28.5	29.0	27.7	28.0	28.2	28.5
	4H	27.7	28.1	28.2	28.5	28.9	27.7	28.1	28.2	28.5
	6H	27.7	28.0	28.2	28.5	29.0	27.7	28.0	28.2	28.5
12H	8H	27.7	28.0	28.2	28.5	28.9	27.7	28.0	28.2	28.5

Variation of the observer position for the luminaire distance S		
S = 1.0H	+1.9 / -5.0	+1.9 / -5.0
S = 1.5H	+4.0 / -6.1	+4.0 / -6.1
S = 2.0H	+6.0 / -6.6	+6.0 / -6.6
Standard table	BK00	BK00
Correction Summand	9.6	9.6

New design, less heat

The new generation Essenz has been designed as the most effective of its kind. The gap between the driver and the heatsink in combination with the smart designed ribs ensure excellent heat exchange and therefore optimal cooling. The opening in the middle draws in cool air, which cools the driver. The heatsink is made of diecast aluminum and the cleverly positioned ribs ensure an optimal airflow that cools the LEDs. Due to this unique combination of heat exchange elements, the heat performance is Best in Class giving longer lifetime of driver and LEDs even under hot ambient conditions.



Cool air is drawn through the opening, which optimally cools the driver and the LEDs.

