

# HSL UHE



HSL Ultra-High Efficiency (UHE) Luminaire

- Energy efficient LED solution for street and industrial lighting.
- Ultra-High Luminous efficiency of 170lm/W.
- Modularity of power/lighting output combinations.
- No Upwards or UV Light emission.



**Technical Highlights**

- IP66 Rated Current regulating driver with 20kV Double Stage Surge protection.
- Dimming and wireless control available.
- LM-80 Certified Octa Light Multi-channel LED Chip-On-Board.
- Robust IK08 construction, built for extreme work conditions and high longevity.

## Main Technical Data

**Luminous Flux Table**

Product Type	Luminous flux (lm)		
	Cool White	Neutral White	Warm White
HSL UHE 50W	8,500	8,500	8,100
HSL UHE 70W	11,900	11,900	11,300
HSL UHE 100W	17,000	17,000	16,100
HSL UHE 130W	22,100	22,100	20,900

Models	HSL UHE 50W	HSL UHE 70W	HSL UHE 100W	HSL UHE 130W
<b>Operating Voltage</b>	198 - 264V AC 45/65Hz			
<b>Energy Class</b>	A++			
<b>Surge Protection</b>	L-N-20kV 10kA, LN-PE 20kV			
<b>Light Source</b>	Octa Light Ultra High Efficiency C9X Series			
<b>Input current ( 230V )</b>	228mA	320mA	457mA	590mA
<b>Overall consumption</b>	50W	70W	100W	130W
<b>Operating temperature</b>	- 20°C to +45°C with built-in Thermal shut-off Protection			
<b>Relative humidity</b>	< 95 %			
<b>Dimming capability</b>	Optional DAU DT6 / DSI / Switch dim / Mains Dimming-5%-100% dimming range Optional 1-10 V Dimming			
<b>Color Rendering Index</b>	Ra > 70			
<b>Flicker</b>	< 5%			
<b>Power Factor</b>	> 0.95			
<b>Light-source Lifespan</b>	L70 > 100,000h			
<b>Standard Compliance</b>	EN 60598-1, EN 60598-2-3, EN 60529, EN 62262, EN 55015, EN 61000-3-2, EN 61000-3-3, EN 61547, EN 61000-4-2, EN 61000-4-4, EN 61000-4-5, EN 61000-4-8, EN 61000-4-11			
<b>Color temperature CCT</b>	Cool White 5,000-5,700K Neutral White 4,000-4,500K Warm White 3,000-3,500			
<b>Body</b>	Powder coated Die-cast high quality Aluminum body *2			
<b>Optical lens cover</b>	Tempered Glass Cover			
<b>Mounting</b>	Suspended, Universal for direct attachment or wire pending			
<b>Protection Class</b>	IP66 (IK08 Impact Resistant)			
<b>Warranty</b>	According to standard Octa Light warranty conditions			

1. Other RAL colors available upon request.

Octa Light maintains accuracy on all measurements within ±7%

# Product Selection Guide

<b>HSL</b>	<b>UHE</b>	<b>WWW</b>	<b>F</b>	<b>7CC</b>	<b>OPT</b>
Series Name	UHE Series	Wattage See Table 1	Optical Code	CRI & CCT See Table 1	Add-ons See Table 1

Table 1 – Available Dimensions, Wattage & Color Temps

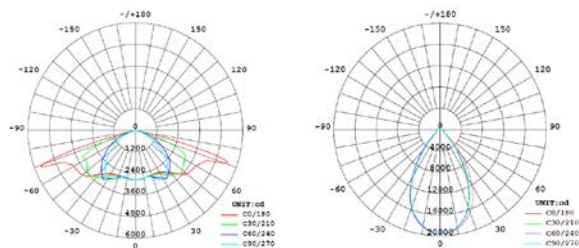
Series Code	Optical Efficiency code	Rated Power WWW	CRI	Optical code F	CCT CC	Option Codes OPT
HSL : HSL Series	UHE : Ultra-High Efficiency 170lm/W	050 W	7 : Ra > 70	A	57 : 5700K 40 : 4000K 30 : 3000K	DIM : 0-10V Dimming DAL : DALI Dimming
		070 W		Type A		
		100 W		B		
		130 W		Type B		

Examples of specific product selection:

Coding: HSLUHE100A740  
 Type: HSL Ultra High Efficiency Series, 100 Watt, CRI 70, Street optics, 4000K Color Temperature

## Light Distribution Curves

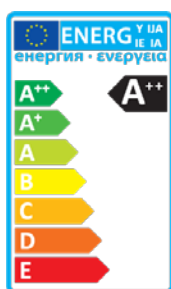
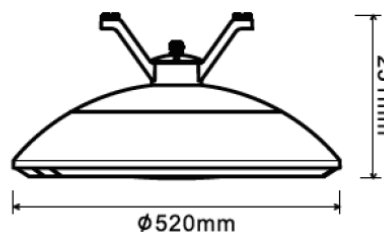
Table 2 – Mechanical Dimensions



A Type

B Type

Luminaire type	Mechanical Dimensions		Gross weight /kg/
	Outer Ø	H	
HSLUHXXXXF7XX	520 mm	251 mm	9,20



## Disclaimer

Octa Light Bulgaria reserves the right to make changes in specifications without notice. Always make sure to use most recent release.

## Company Information

Octa Light Bulgaria is fully vertically integrated manufacturer of LED packages, LED modules, LED lamps and LED luminaires. The company was established in 2010 as the first Light Emitting Diodes (LED) manufacturer with production based entirely in the EU. The company LED portfolio includes powerful high-brightness light emitting diodes, last generation of low-power & mid-power LEDs, wide range of COBs and innovative AC LED modules, as well as special applications LEDs. We constantly are growing our LEDs range to bring highest performance and quality of light sources. Our business scope includes OEM and ODM supply of LED packages, LED engines, luminaires and lamps.

Octa Light Bulgaria offers also complete lighting solutions accomplishing a variety of lighting projects with own range of luminaires. Further to its core lighting business the company offers Contract Electronics Manufacturing /CEM/ for key industries.

