

EXTREME UHE



EXTREME Ultra-High Efficiency (UHE) Street Luminaire

- Modular LED Street lighting solution.
- Ultra-High Luminous efficiency of 170lm/W.
- Multiple sizes and luminous power combinations.
- No Upwards or UV Light emission.
- Ideal for ESCO type of projects to deliver maximum cost & energy savings.
- Easy maintenance with Self-shutting contactor upon opening housing.
- IP66 Protected design, Inner finned heat-sink, and Intelligent Link capability.

Technical Highlights

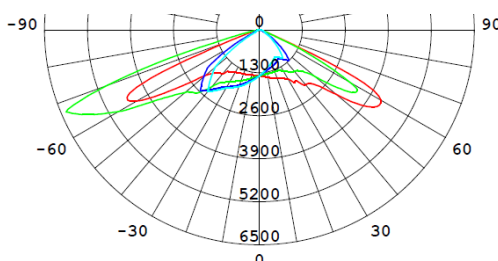
- IP67 Rated Current regulating driver with 20kV Double Stage Surge protection.
- 3 SDCM Color Binning, full ANSI C78.377-2008 pallet available.
- LM-80 Certified Octa Light Multi-channel LED Chip-On-Board.
- Robust IK10 construction, built for extreme work conditions and high longevity.

Main Technical Data

Luminous Flux Table

Product Type	Luminous flux (lm)		
	Cool White	Neutral White	Warm White
	5,100	5,100	4,800
EXTREME UHE 30W	5,100	5,100	4,800
EXTREME UHE 50W	8,500	8,500	8,100
EXTREME UHE 80W	13,600	13,600	12,950
EXTREME UHE 100W	17,000	17,000	16,150
EXTREME UHE 120W	20,400	20,400	19,380

Light Distribution Curve



Models	EXTREME UHE 30	EXTREME UHE 50	EXTREME UHE 80	EXTREME UHE 100	EXTREME UHE 120
Operating Voltage	120 - 250V AC 45/65Hz				
Energy Class	A++				
Input current	0.136	0.272	0.362	0.450	0.540
Overall consumption	30W	50W	80W	100W	120W
Lighting class Application	ME-5	ME-3C	ME-3C	ME-3A	ME-2
Operating temperature	-40°C to +60°C with built-in Thermal shut-off Protection				
Relative humidity	< 90 %				
DALI dimming	Built in.				
Auto Dimming	Standard Chronometric Step Integrated-Automated individual dimming overnight based on preset function ^{*1}				
0-10 V dimming	Optional Add-on. [DIM Suffix to order code]				
Wireless 868 MHz control	Optional Add-on. [W08 Suffix to order code]				
Wireless 2.4 GHz control	Optional Add-on. [W24 Suffix to order code]				
Intelli-lamp NEMA 7 Node Add-on	Optional Add-on [INT Suffix to order code]				
Color Rendering Index	Ra > 70				
ULR (Upward Light Ratio)	<1%				
Flicker	< 5%				
Power Factor	> 0.95				
Light-source Lifespan	L70 > 70,000h				
Standard Compliance	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				
Color temperature CCT	Cool White 5,000-5,700K Neutral White 4,000-4,500K Warm White 3,000-3,500				
Body	Powder coated high quality Aluminum body ^{*2}				
Optical lens cover	Borosilicate Tempered Glass (COB Series)				
Mounting	Standard Fixture ø60 mm pole brackets ^{*3}				
Protection Class	IP66 (IK10 Impact Resistant)				
Warranty	According to standard Octa Light warranty conditions				

1. Programmable Automated dimming over mains after installation.
2. Other RAL colors available upon request.
3. Adapters for larger diameters & different attachment methods available upon request.
Octa Light maintains accuracy on all measurements within ±7%

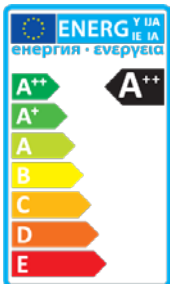
XTR	UHE	WWW	F	7CC	OPT
Series Name	UHE Series	Wattage See Table 1	Optical Code	CRI & CCT See Table 1	Add-ons See Table 1

Table 1 – Available Dimensions, Wattage & Color Temps

Series Code	Optical Efficiency code	Rated Power WWW	CRI	CCT CC	Option Codes OPT
XTR : EXTREME	UHE : Ultra-High Efficiency 170lm/W	030 W	7 : Ra > 70	57 : 5700K 40 : 4000K 30 : 3000K	DIM : 0-10V Dimming W08 : Wireless 868 MHz control W24 : Wireless 2.4 GHz control INT : Intellilamp NEMA 7 Node Add-on OFS: Daylight Sensor on/off switch.
		050 W			
		080 W			
		100 W			
		120 W			

Table 2 – Mechanical Dimensions

Luminaire Code	Measurement Illustration	Mechanical Dimensions			Net Weight
		Length A (mm)	Width B (mm)	Height C (mm)	
XTRUHE030F7XX		662	229	125	6.2 kg
XTRUHE050F7XX		662	229	125	7.4 kg
XTRUHE080F7XX		662	229	125	8.9 kg
XTRUHE100F7XX		662	229	125	8.9 kg
XTRUHE120F7XX		662	229	125	8.9 kg



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.

