

Extreme Flat Series



Extreme Flat UHE LED Street Luminaire

Technical Highlights

- Constant Current regulating driver with built in 4kV Surge protection.
- Independent 20kV Double Stage Surge protection.
- 5 SDCM Color Binning, full ANSI C78.377-2008 palette available.
- LM-80 Certified Octa Light LED Packages.
- Robust IK10 construction, built for harsh environments and high durability.
- Modular LED Street lighting solution.
- High Luminous efficiency of 150lm/W.
- Multiple sizes and luminous power combinations.
- Possibility of installing an intelligent control module via NEMA 7 connector
- No Upwards or UV Light emission.
- Easy maintenance with Self-shutting contactor upon opening housing.
- IP66 Protected design, with optimized Heat Sink design.
- Inner finned heat-sink

Luminous Flux Table

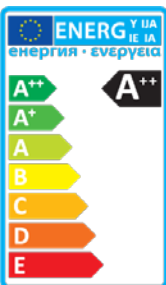
| Product Type | Delivered Lumens (lm) | | |
|-----------------------|-----------------------|---------------|------------|
| | Cool White | Neutral White | Warm White |
| Extreme Flat UHE 20W | 3,000 | 3,000 | 2,850 |
| Extreme Flat UHE 40W | 6,000 | 6,000 | 5,700 |
| Extreme Flat UHE 60W | 9,000 | 9,000 | 8,550 |
| Extreme Flat UHE 80W | 12,000 | 12,000 | 11,400 |
| Extreme Flat UHE 100W | 15,000 | 15,000 | 14,250 |
| Extreme Flat UHE 120W | 18,000 | 18,000 | 17,100 |
| Extreme Flat UHE 150W | 22,500 | 22,500 | 21,350 |
| Extreme Flat UHE 200W | 30,000 | 30,000 | 28,500 |
| Extreme Flat UHE 240W | 36,000 | 36,000 | 34,200 |

Main Technical Data

| | Extreme Flat UHE | | | | | | | | |
|---------------------------------|---|-------|---------------------|-------|------------------|-------|-------|-------|--------|
| Operating Voltage | 198-264V AC 50/60Hz | | | | | | | | |
| Energy Class | A++ | | | | | | | | |
| LED Light Source | Octa light LED Packages | | | | | | | | |
| Input current (at 230V AC) | 91mA | 183mA | 275mA | 366mA | 457mA | 549mA | 686mA | 915mA | 1,09 A |
| Overall consumption | 20W | 40W | 60W | 80W | 100W | 120W | 150W | 200W | 240W |
| Operating temperature | -20°C to +55°C | | | | | | | | |
| Relative humidity | < 95 % | | | | | | | | |
| 0-10 V dimming | Built in. | | | | | | | | |
| DALI dimming | Built in | | | | | | | | |
| Intelli-lamp NEMA-7 Node Add-on | Optional Add-on [INT 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] | | | | | | | | |
| Color Rendering Index | Ra > 80 | | | | | | | | |
| Binning (SDCM) | ≤ 5 Steps MacAdam ellipse | | | | | | | | |
| Color Temperature CCT | Cool White 5,700K | | Neutral White 4500K | | Warm White 3000K | | | | |
| Flicker | < 5% | | | | | | | | |
| Power Factor | > 0.95 | | | | | | | | |
| Power Supply | Constant Current LED Driver – IP66 Rated | | | | | | | | |
| Luminaire Surge Protection | 20kV | | | | | | | | |
| Light-source Lifespan | L80B10 > 100,000hrs | | | | | | | | |
| Standard Compliances | 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 | | | | | | | | |
| Body | Powder coated Die-cast Aluminum body (RAL 7035) and Stainless Steel Hardware. | | | | | | | | |
| Optical lens cover | UV Stabilized Borosilicate Tempered Glass | | | | | | | | |
| Mounting *1 | ø 48-ø60mm Pole mount, With Vertical and Horizontal Mounting Possibilities ±20°, 10 steps of adjusting | | | | | | | | |
| Protection Class | IP66 (IK10 Impact Resistant) | | | | | | | | |
| Warranty | According to standard Octa Light Warranty Terms and Conditions. | | | | | | | | |

Octa Light maintains accuracy on all measurements within ±7%

- Adapters for various pole diameters available



Product Selection Guide

| | | | | | |
|--------------|------------|---------------------|--------------|-----------------------|---------------------|
| XTF | UHE | WWW | Y | 8CC | OPT |
| Product Code | UHE Series | Wattage See Table 1 | Optical Code | CRI & CCT See Table 1 | Add-ons See Table 1 |

Table 1 – Product Code Values

| Product XTF | Series Code UHE | Rated Power WWW | Optic Code Y | CRI 8 | CCT CC | Option codes |
|--------------------|-------------------------------------|-----------------|------------------|------------|---|---|
| XTF : Extreme Flat | UHE : Ultra High Efficiency 150lm/W | 020 : 20W | A B C D | 8: Ra > 80 | 57 : 57000K 45 : 4500K 30 : 3000K | INT: Intellilamp NEMA 7 Node Add-on W08 : Wireless 868 MHz control W24 : Wireless 2.4 GHz control |
| | | 040 : 40W | | | | |
| | | 060 : 60W | | | | |
| | | 080 : 80W | | | | |
| | | 100 : 100W | | | | |
| | | 120 : 120W | | | | |
| | | 150 : 150W | | | | |
| | | 200 : 200W | | | | |
| 240 : 240W | | | | | | |

Code: XTFUHE120A830
 Extreme Flat UHE 150lm/W Street Luminaire – 120W – Optical Distribution A – CRI Ra > 80 – 3000K CCT.

Table 2 – Optical Distribution Curves

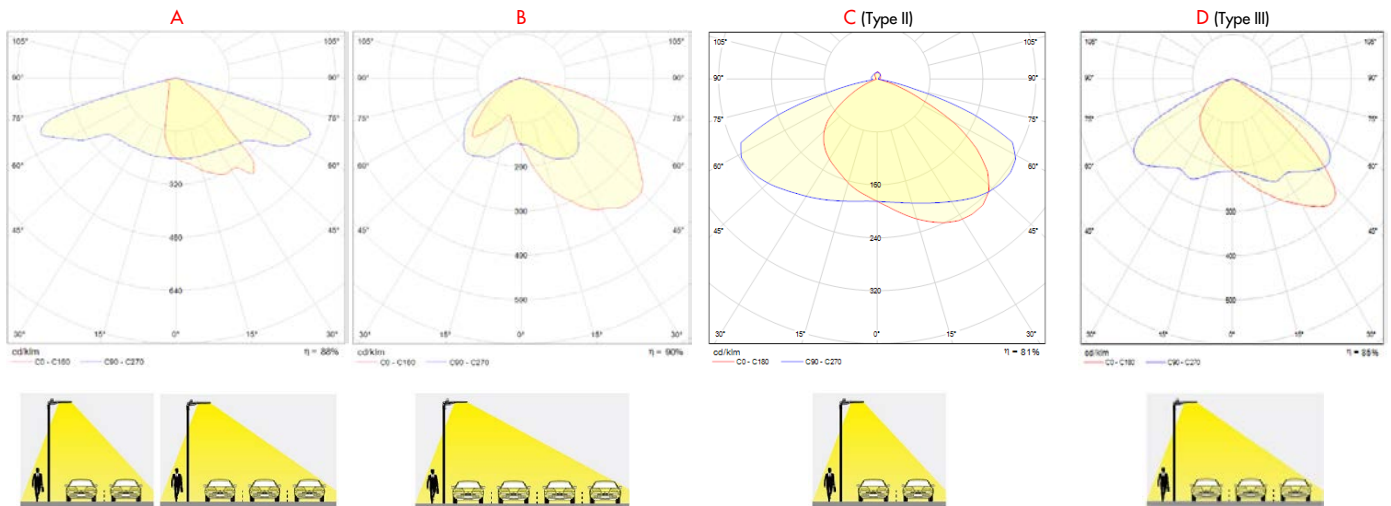


Table 3 – Mechanical Dimensions

| Luminaire Code | Measurement Illustration | Mechanical Dimensions | | | |
|-------------------|--------------------------|-----------------------|-----------------|------------------|---------------|
| | | Length A (mm) | Width B (mm) | Height C (mm) | Net Weight |
| XTFUHE020-100Y8XX | | 565 | 249 | 117 | 6,2 |
| XTFUHE120-240Y8XX | | 675 | 272 | 137 | 7,2 |

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.

