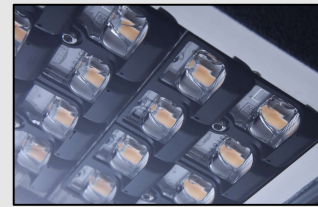
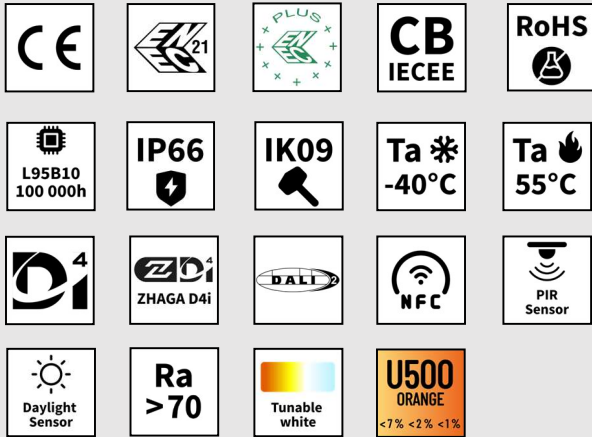


### XT - ZHAGA D4i READY | PIR GROUPE | PHOTOCCELL | IoT RF NODE



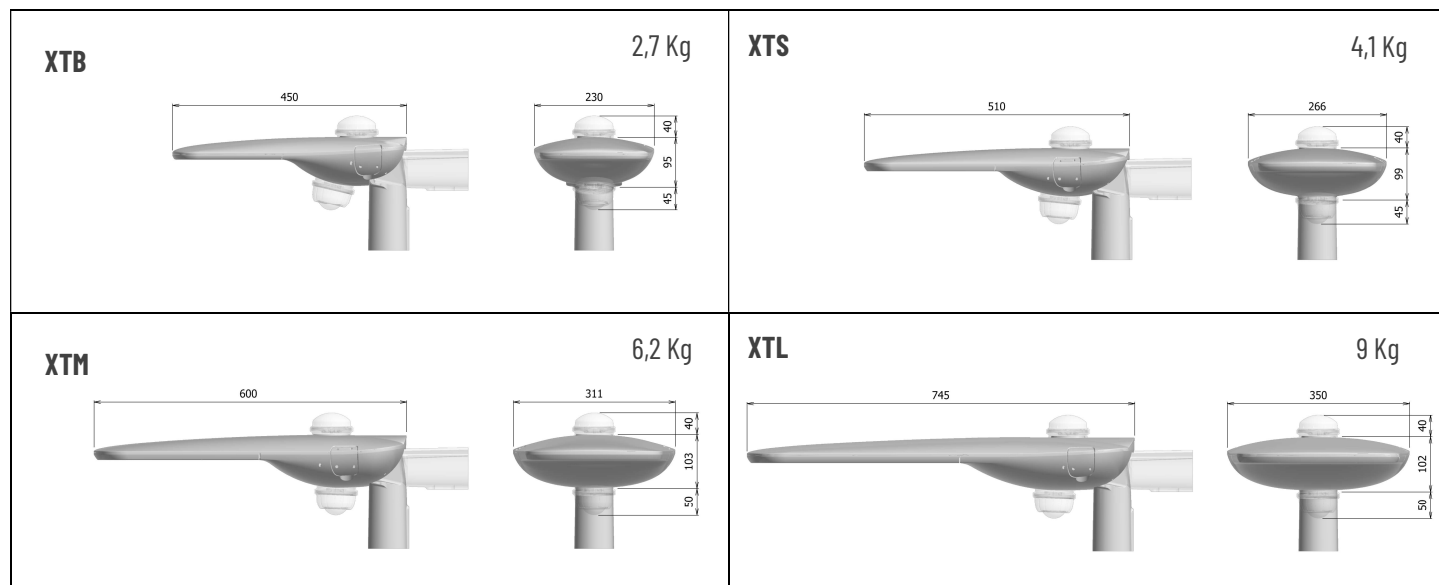
#### MAIN CHARACTERISTICS

Variable LED road luminaire with high efficiency, suitable for roadways as well as for sidewalks, parking lots and parks. It supports connection to IoT and public lighting systems (DALI, DALI-2, D4i, ZHAGA Book 18). The XT luminaire, manufactured in the Czech Republic, has ENEC, ENEC+, CB and ZHAGA D4i certifications and can be customized according to customer requirements.

STANDARD VERSION	
<b>CCT</b>	2 200 K, 2 700 K, 4 000 K
<b>CRI</b>	Ra>70
<b>Ingress protection</b>	IP66, approved for normal operation within a relative humidity range of 10-90 %
<b>Impact protection</b>	IK09
<b>Power factor</b>	≥ 0.97
<b>Luminous efficiency</b>	≥ 85 %
<b>Blue light ratio</b>	U500<11 %, U500<7 %
<b>Ta (Ambient temperature)</b>	From - 40 °C to +55 °C
<b>Efficiency</b>	Luminaire: up to 162 lm/W (for CCT 2 700 K) LED: up to 212 lm/W (for CCT 2 700 K)
<b>Working temperature</b>	≤ 70 °C
<b>Lifespan (LED)</b>	L95B10>100 000 hours
<b>Ballast life</b>	≥ 100 000 hours
<b>Optical system</b>	Optical lens on each LED chip More than 60 beam types
<b>Housing</b>	All-aluminium (pressure die-cast certified aluminium alloy)
<b>Body surface finish</b>	Powder coating
<b>Colour</b>	Grey
<b>ULOR</b>	0 %
<b>Rated voltage</b>	195-264 V, 50 Hz
<b>Electrical protection</b>	Against surges 10kV
<b>Protection class</b>	Class I
<b>Luminaire cover</b>	Tempered glass
<b>Safety</b>	Automatic disconnection of electrical components when opening the luminaire
<b>Fixture mounting</b>	Adjustable bracket for arm/pole up to ± 20° (∅ 48-60 mm) Bracket weight 0.62 kg-0.85 kg
<b>Luminaire design</b>	Tool-free opening of the luminaire Equipped with a pressure equalization vent Separate ballast and optical part of the luminaire All components (ballast, optical part, module) can be replaced without removing the luminaire from the pole No external fins and cooling gaps, self-cleaning effect

MODIFICATION OPTIONS	
<b>CCT</b>	PC Amber, Tunable white, 1 800 K, 3 000 K, 5 000 K
<b>CRI</b>	Ra>80
<b>Ingress protection</b>	IP67
<b>Impact protection</b>	IK10
<b>Power range</b>	4-205 W
<b>Optics for pedestrian crossing</b>	Left- or right-hand traffic
<b>Blue light ratio</b>	U500<2 %, U500<1 %
<b>Ta (Ambient temperature)</b>	Adapted for extreme temperature, from -55 °C to +55 °C, with thermal protection of the LED module
<b>Optical system</b>	Optional BACK LIGHT system integration, possibility of installing a reflector for semi-direct lighting inside the luminaire
<b>Controls and connectivity</b>	Virtual midnight, CLO, 1-10V, DALI, ZHAGA socket, NEMA socket, chronoSTEP-VM, Bluetooth control module (allows control, configuration and diagnostics the luminaire via a smart device), equipped with a GPS and a communication module with two-way data transmission for communication with the control management system (CMS), equipped with a PhotoCell sensor reacting to daylight, equipped with a PIR sensor responsive to motion and light
<b>Colour</b>	According to RAL, AZKO sample book
<b>Electrical protection</b>	Against overvoltage 12kV/6kA, overload, short circuit, undervoltage and load disconnection
<b>Protection class</b>	Class II
<b>QR code</b>	Possibility of applying a QR code with a technical parameters of the luminaire
<b>Safety</b>	Equipped with a fuse when mounted on the pole, eliminating inrush current
<b>Fixture mounting</b>	Adjustable bracket for arm/pole up to ± 20° (∅ 76 mm)
<b>Luminaire design</b>	Tool-free ballast replacement

### SCHEME



### MODIFICATION



### OPTICS (selection of the most used types)

