



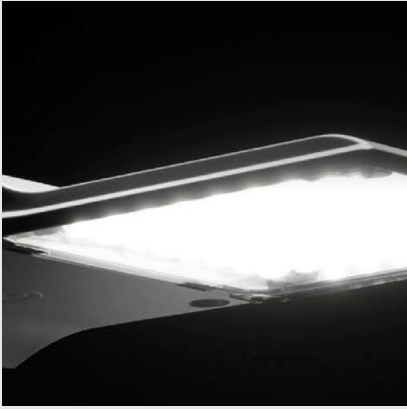
# YLC

## Street Lighting Luminaires

With its harmonious and elegant design, YLC perfectly blends distinction, naturalness, care, and simplicity. The lightweight and compact body is crafted from die-cast aluminum with low copper content, providing high resistance to atmospheric conditions.

Its optimized surface area ensures efficient heat dissipation from the LEDs, resulting in higher light intensity and an extended lifespan for the luminaire—all without compromising performance.





The optics provide optimal photometric distribution with excellent uniformity and high color rendering, minimizing glare and enhancing road detail visibility to ensure superior visual comfort.



The single-piece glass is directly fixed to the body without junction rings, allowing for easier maintenance and a streamlined, minimalist design of the luminaire.



High-quality materials guarantee optical efficiency by preventing flux decay, maintaining color stability, and maximizing luminous performance.

## MANUFACTURING EXCELLENCE

YLC exemplifies manufacturing excellence through highly automated production lines, enabling extensive functional testing. During the production process, each individual luminaire undergoes thorough verification of spectrum, photometric and colorimetric data, as well as electrical safety parameters.

## EXCLUSIVE FEATURES

The luminaire's smooth surface and perfectly rounded lines are designed for rapid removal of dust and water. Additionally, the extended surface area optimizes heat dissipation from the LEDs, resulting in higher light intensity and prolonged product lifespan—without compromising performance.

## CERTIFIED QUALITY

Our commitment to quality is validated by independent accredited laboratories. Every YLC product is rigorously documented with comprehensive certification, test results, compliance declarations, and passed inspections before being released to the market.



## DISTINCTION BETWEEN OPTICAL AND WIRING COMPARTMENTS

To ensure optimal performance and long service life, the optical compartment is fully separated from the compartment housing the electrical components. This design enhances the overall efficiency and durability of the streetlight. The optical system—the core of the luminaire—operates at a stable temperature, maintaining high efficiency even in high-temperature environments. The optical

compartment is completely protected against dust and water infiltration, yet remains accessible for maintenance when necessary. Electrical components can be accessed through a dedicated compartment, available optionally in a fully tool-free design. Safety during maintenance is ensured by an automatic anti-closing mechanism and a knife switch that activate upon opening the luminaire.



RAL COLORS

Std.  
9006

**YLC3**

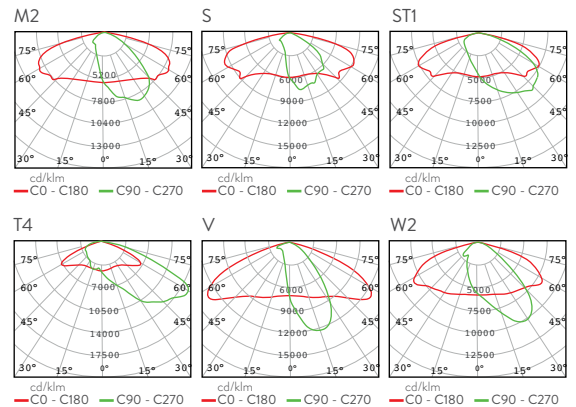
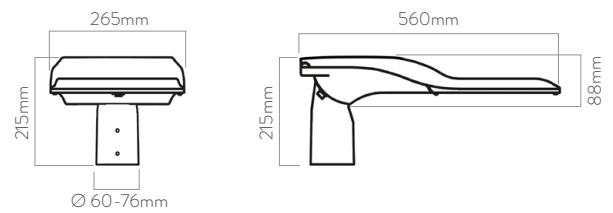


Code	Beam Angle	Luminous Flux	System Power	Weight
YLC3/M2/171	74°	26.340 lm	171W	6 kg
YLC3/S/171	78°	26.070 lm	171W	6 kg
YLC3/W2/171	67°	26.600 lm	171W	6 kg
YLC3/V/171	57°	26.850 lm	171W	6 kg
YLC3/T4/171	55°	26.000 lm	171W	6 kg
YLC3/ST1/171	73°	26.150 lm	171W	6 kg

**Body:** Aluminum Injection  
**Driver:** Included  
**Led:** High-Power Led

**Lens:** PMMA  
**Voltage:** 220-240 VAC

**Color Temperature:** 3000-4000-5000-6500K  
**Front Glass:** Extra clear tempered glass



**BOX DIMENSIONS**  
68x30x13 cm



**BOX WEIGHT**  
6.5 kg



RAL COLORS

Std. 9006

**YLC2**

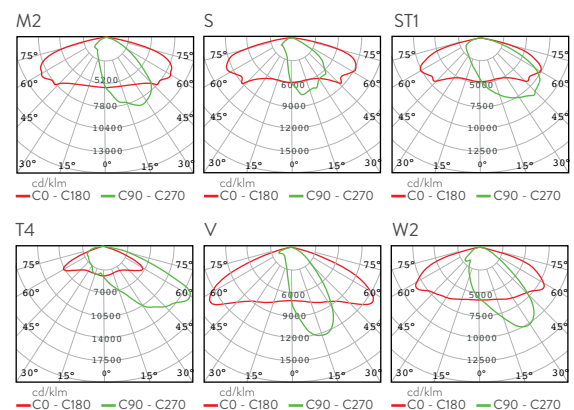
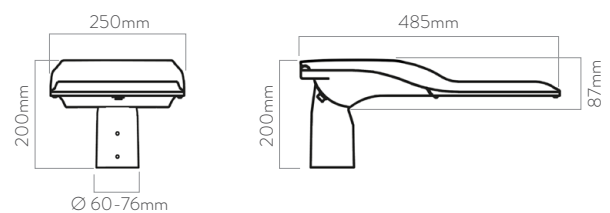


Code	Beam Angle	Luminous Flux	System Power	Weight
YLC2/M2/125	74°	19.230 lm	125W	5.2 kg
YLC2/S/125	78°	19.030 lm	125W	5.2 kg
YLC2/W2/125	67°	19.500 lm	125W	5.2 kg
YLC2/V/125	57°	19.700 lm	125W	5.2 kg
YLC2/T4/125	55°	18.850 lm	125W	5.2 kg
YLC2/ST1/125	73°	19.000 lm	125W	5.2 kg

**Body:** Aluminum Injection  
**Driver:** Included  
**Led:** High-Power Led

**Lens:** PMMA  
**Voltage:** 220-240 VAC

**Color Temperature:** 3000-4000-5000-6500K  
**Front Glass:** Extra clear tempered glass



  
**BOX DIMENSIONS**  
 61x30x13 cm

  
**BOX WEIGHT**  
 5.7kg



RAL COLORS

Std.  
9006



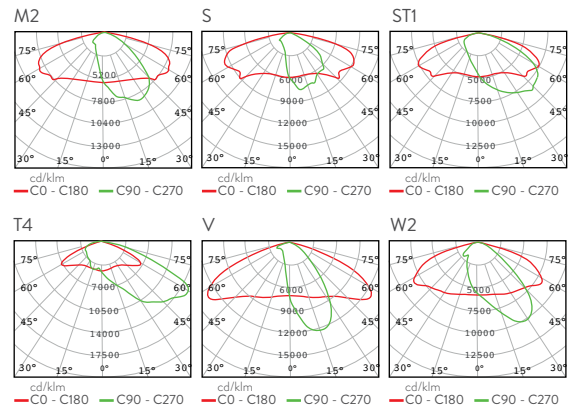
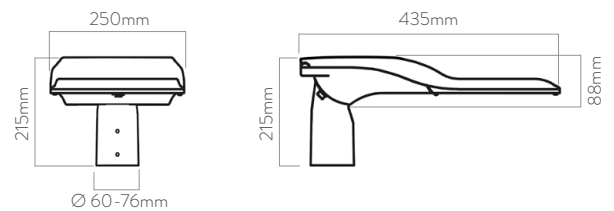
**YLC1**

Code	Beam Angle	Luminous Flux	System Power	Weight
YLC1/M2/89	74°	14.150 lm	89W	4.5 kg
YLC1/S/89	78°	14.000 lm	89W	4.5 kg
YLC1/W2/89	67°	14.300 lm	89W	4.5 kg
YLC1/V/89	57°	14.450 lm	89W	4.5 kg
YLC1/T4/89	55°	13.870 lm	89W	4.5 kg
YLC1/ST1/89	73°	14.000 lm	89W	4.5 kg

**Body:** Aluminum Injection  
**Driver:** Included  
**Led:** High-Power Led

**Lens:** PMMA  
**Voltage:** 220-240 VAC

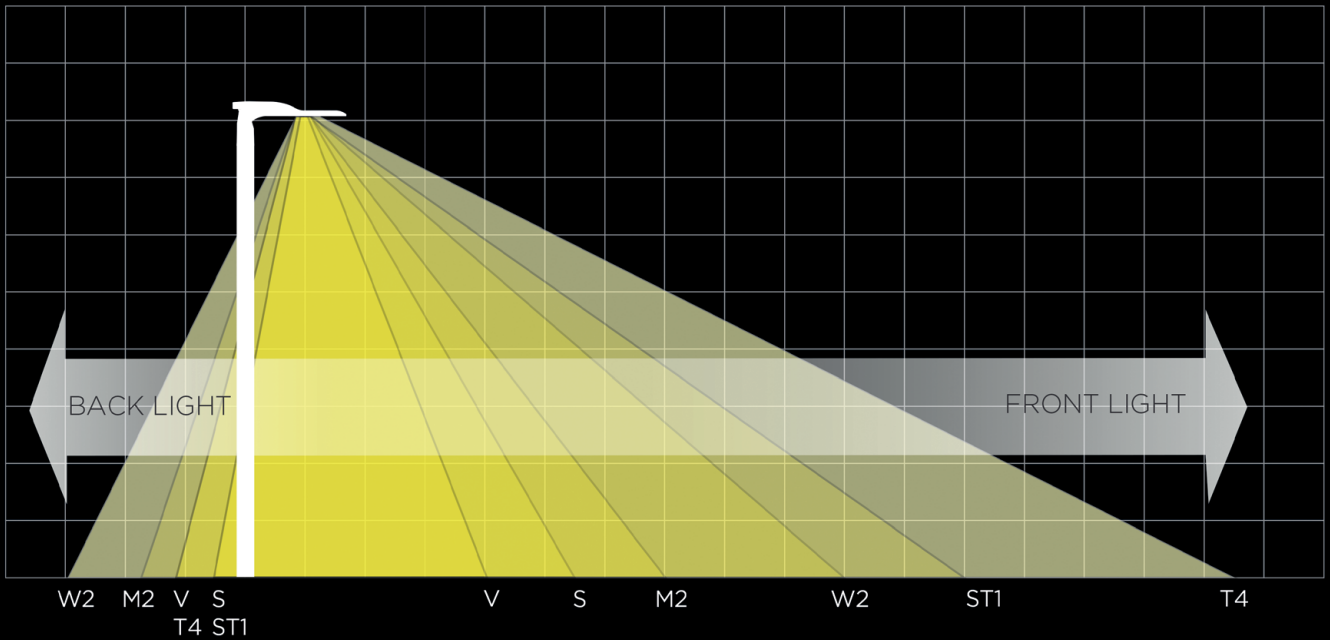
**Color Temperature:** 3000-4000-5000-6500K  
**Front Glass:** Extra clear tempered glass



**BOX DIMENSIONS**  
56x30x13 cm



**BOX WEIGHT**  
5 kg



#### S OPTIC

The S optic is typically used for lighting categories up to M3. It is especially suitable for installations where the ratio of installation height to carriageway width is less than 1. Additionally, it performs well on roads with very large spacing between fixtures, where the interdistance to installation height ratio exceeds 5.



#### W2 OPTIC

The W2 optic is typically used for all lighting categories, especially when the ratio of installation height to carriageway width is significantly greater than 0.85. It features a notable backflow, making it ideal for installations with outreaches.



#### V OPTIC

The V optic is used in street lighting for situations with large fixture spacing and where the ratio of installation height to roadway width is equal to or greater than 1.



#### T4 OPTIC

This optic is typically used to illuminate yards, car parks, and urban areas. It is also suitable for street lighting when significant frontal illumination is needed, and the ratio between the depth of the area to be lit and the installation height of the luminaire is substantially greater than 1. However, it is designed for applications where very high lighting levels are not required.



#### M2 OPTIC

The M2 optic is designed for street lighting scenarios with wide spacing between fixtures, where the roadway width is equal to or less than the installation height.



#### ST1 OPTIC

This street optic is engineered for applications involving large inter-fixture distances and a height-to-roadway width ratio equal to or exceeding 1, optimizing light distribution for such spatial configurations.