

### 3345 Loto 6 - MIDNIGHT COB

Loto is the new frontier of lighting design for the city, its citizens and spaces. Thanks to Loto innovation is combined with the most advanced technologies in terms of light quality and emission. The optimisation of energy consumptions is the result of the research in LED development, while a more interactive light control has the goal to improve performances in different applications based on the required lighting needs. An innovative product in quality and shape, with a design that breaks away from the most popular examples currently on the market and that blends perfectly into any urban scenario, whether historic or contemporary, as well as in green spaces and pedestrian or vehicle traffic areas. Its shape dialogues with technology and nature: it is designed to resemble a plant that sprouts from the ground. It creates a visual presence capable of conveying the impression of quality and light aimed at ensuring the wellbeing of users and enhancing the excellence of the surrounding urban spaces.

Housing and frame: pressed in die-cast aluminium and designed with a very small surface exposed to wind. Cooling fins are integrated into the cover.

Diffuser: tempered glass, 4 mm thick, resistant to thermal shocks and impacts (UNI-EN 12150-1: 2001).

Coating: the standard liquid immersion coating consists of a first metal surface pre-treatment stage, a successive epoxy cataphoresis corrosion and salt resistant coating, and a final layer of bi-component acrylic liquid UV-stabilised coating.

Equipment: Automatic temperature control device. In the event of an unexpected LED temperature rise caused by particular weather conditions or a LED failure, the system will reduce the luminous flux to lower the working temperature and guarantee proper operation. Safety diode to protect against voltage peaks.

Equipped with an air-circulation valve.

LED: Latest generation LED technology, Ta-20 + 40°C. Photobiological safety class: exempt group EN62471.

Heat sink: the heat dissipation system is specially designed and made to allow the operation of the LED lights with temperatures ensuring excellent performance/efficiency and durability.

LED: Power factor >= 0.9.

Luminous flux maintenance: 80%: 50.000h (L80B20)

On request: possibility for the various options for manag

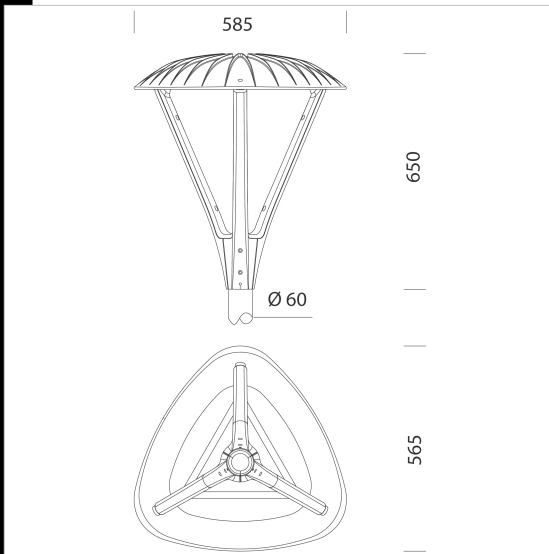
Surface exposed to wind: 1046 cm2.

Upon request: Coating compliant with UNI EN ISO 9227 Corrosion tests in artificial atmospheres for aggressive environments.

- Zhaga Socket, subcode 0054

**VIRTUAL MIDNIGHT:** to increase energy savings at night when there are fewer people and vehicles around, a lighting fixture can be programmed according to a specific profile (customizable on request). The fixture reduces its luminous flux through a self-learning process which, depending on the previous switching on and off times, will determine a hypothetical "virtual midnight". This is the average value between the time the fixture is switched on (sunset) and switched off (sunrise). The "virtual midnight" is the reference point for dimming lights according to the desired profile. The device is integrated in the LED driver and therefore does not require any modification to the system. In order for the system to function correctly, the system must be adjusted by a device that turns the system on and off on a regular basis every day.

Virtual Midnight subcode -30: fixtures are equipped with a device to reduce flux in 4 steps based on the calculation of the virtual midnight.



Code	Gear	Kg	Lumen Output-K-CRI	WTot	Colour	Surge
330264-30	CLD	10,00	LED-3502lm-1400mA-4000K-CRI 90	58 W	GREY9007	10kV
330265-30	CLD	10,00	LED-3502lm-1400mA-4000K-CRI 90	58 W	GRAPHITE	10kV
330264-3028	CLD	10,00	LED-3257lm-1400mA-3000K-CRI 90	58 W	GREY9007	10kV
330265-3028	CLD CELL	9,92	LED-3257lm-1400mA-3000K-CRI 90	57 W	GRAPHITE	10kV
330264-3073	CLD	10,00	LED COB AMBER-3934lm-2200K-amber-	58 W	GREY9007	10kV
330265-3073	CLD	10,00	LED COB AMBER-3934lm-2200K-amber-	58 W	GRAPHITE	10kV

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The reported luminous flux is the flux emitted by the light source with a tolerance of ± 10% compared to the indicated value. The W tot column indicates the total wattage absorbed by the system without exceeding 10% of the indicated