

## THE LAST GENERATION OF LED LIGHTING SYSTEM: HIGH PERFORMANCE AND QUALITY FOR SMART CITY





# HI-CITY

## INNOVATIVE DESIGN AND HIGH PERFORMANCE



**HI-CITY** luminaires offer excellent lighting levels in street applications, ensuring energy saving and a fast return on investment. The incredible lighting performance guarantees visual comfort and safety in the cities and it helps the public admistrations to reduce the cost related to the lighting system.

**HI-CITY** offers a wide range of luminous fluxes and optics, with the possibility to make the light intelligent through the remote control system that allows to maximize energy savings and to create connected and smart spaces.

## NEW LIGHT FOR THE CITY OF THE FUTURE



Benefits

- → Over 60% of energy savings compared to the traditional technologies. Reduction of maintenance costs. Quick payback time and long-term economic benefits.
- → Excellent lighting distribution High color rendering that ensures the proper lighting of the environment, complying with the standard. No UV and IR. Instanton with 100% of luminous flux.
- → High visibility that improves the safety of pedestrian and vehicular traffic and makes easier user orientation. Valorization of urban and public spaces.
- → Reducing environmental impact and lighting pollution. Eco-friendly product.
- → Multiple options: lighting control options and remote control system, with the possibility to integrate third-party and intelligent devices in order to create the Smart City.

### Applications

ightarrow Streets, roads, urban areas, highways

Modernity and efficiency are

of street lighting fixtures.

suburban environments.

combined to create a new generation

With its compact and minimal design,

**Hi-City** excellently answers to the specific needs of the urban and

**Hi-City** annonuces a new paradigm

- $\rightarrow$  Urban furniture
- ightarrow Squares, roundabouts, parking areas
- → Logistic areas, industrial outdoor areas, outdoor areas

# HI-CITY

Flexibility and functionality Different configurations and dimensions to optimally answer to any design requirement. **Modern design and high resistance** The design perfectly fits in the urban space creating modern and innovative environments. The low profile reduces the wind resistance.

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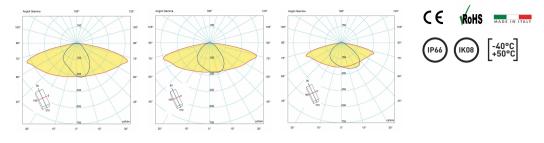
Hi-City has resistant and high-performance optics. They perfecty meet the needs of multiple street environments guaranting brilliant light over time. High uniformity, maximum lighting control, no glare and reduction of lighting pollution.

Optics for every lighting design need

## Flexible installation, quick and easy maintenance.

Hi-City has been designed for the installation on pole (for both horizontal and vertical mounting), with tilt angle 0-15° for each installation direction. The product allows a quick and easy maintenance ensuring the perfect lighting over time that guarantee the safety of public spaces. 3

#### Photometric data



### **Features**

Installazione	Outdoor	614x224x135
Lumen package range	From 3.570 lm to 25.000 lm	726x357x127
Power consumption	From 30W to 200W	861x447x153
Operating temperature range	-40°C + 50°C	
Materials	Die-cast aluminum	
	Tempered glass	TECHNOLOGI
	PC optics	Traditional vs
Ingress Protection	IP 66	
Impact Resistance	IK 08	New lighting
Electrical safety class	II (standard), I (on request)	
Rated Voltage	200÷240 V ac	150
Driver	Integrated	100
Color temperature	Warm white, Neutral white, Cool white	50
Color rendering index	CRI>70 (standard);CRI>80 (on request)	0
Photobiological safety	Exempt Group	$\checkmark$
Light degradation	64.134 h (L80/B10)	HPS
Protections	NTC protection	
	(upon request, subject to feasibility check)	
	Overvoltage, Over temperature, Electrical short circuit	Re
	Surge protection:	of installe
	6kV differential mode/ 10kV common mode	
Certifications	CE	
Warranty	6 years	

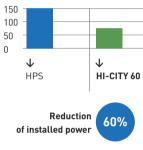
Dimensions | mm Weight | kg 4x224x135 5,9 26x357x127 8,1

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#### ECHNOLOGIES COMPARISON

aditional vs Hi-City

#### ew lighting system



Lighting control options:

In the standard version, the luminaire is provided with a constant LEDs current. Lighting control options are available upon request:

- $\rightarrow$  Analog dimming options (ex.0-10V)
- $\rightarrow$  Time dimming (midnight point)
- $\rightarrow$  Output lumen compensation
- $\rightarrow$  DALI dimming

#### Intelligent lighting control system

(option upon request, subject to feasibility check) The lighting fixtures can be equipped and integrated with the remote control system that allowS to manage and monitor the lighting system. The remote control system also provides to enable value-added services and functions in order to create the SMART CITY. For more information, please visit our website

www.greenledindustry.com and download the brochure "Intelligent lighting control system".

Please visit www.greenledindustry.com for complete and updated data sheet

#### Public lighting example



Urban road	
Poles distance	27m
Installation height	9m
Width carriageway road	7m
Road lanes	2
Sidewalks width	2m

**Requirements according to UNI11248** Average luminance 1cd/m<sup>2</sup> Uniformity 0,56

Hi-City LED street lighing fixture Average luminance 1cd/m<sup>2</sup> Uniformity 0,56

**Greenled Industry** is an italian company specialized in LED lighting systems that are suitable for industrial environments, also in harsh environmental conditions, street and large areas lighting, commercial lighting. The company offers made in Italy solutions that ensures high quality, superior performance and long life time, guaranting excellent lighting results.

Uctober 2017 In order to guarantee a continuous updating of its products, Greenled Industry reserves itself the riaht to modify the contents without notice.



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