



SmartScape Heritage



Heritage LED Conversion by

zeta
Specialist Lighting

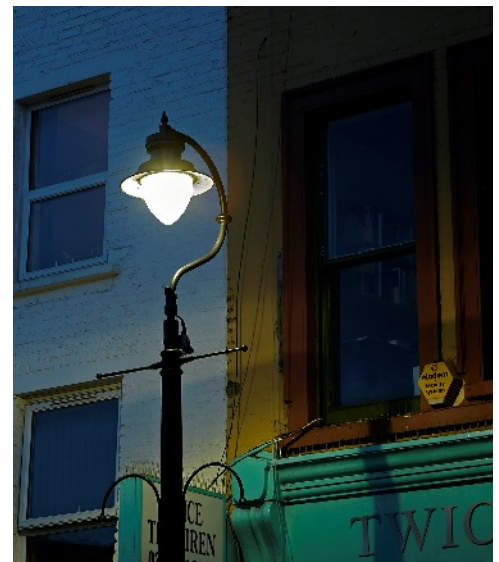
Zeta's SmartScape Heritage is a unique, bespoke solution for retrofitting intelligent LED lighting into existing, traditional Heritage-style Lanterns.

With standard wattage options from 8W to 147W, the versatile LED system provides significant energy and cost savings when compared to traditional lamps, whilst not compromising on quality of light.

Zeta's intelligent design means that the LED gear trays can be engineered to fit into any shape or size lantern, making it a wholly flexible retrofit solution. The product utilises high quality lens technology, Cree LEDs and the Philips Xitanium driver ensuring longevity in situ with the use of the highest quality components.

SmartScape Heritage is available in two different LED arrays - single chip and 12 chip - to guarantee maximum luminaire efficacy across the wide range of available wattages. The single chip solution provides loads of up to 50W, with the 12 chip option offering up to 147W.

SmartScape Heritage uniquely has the option to be emergency powered, meaning that the solution will run for a number of hours during a power cut. As well as this, Zeta's broad solution offers over 10 different optical options across the range and, with our own in-house Lighting Designer, we can ensure that the most effective solution is provided in each application.



Features

- Bespoke, versatile solutions
- Enhanced aesthetics
- Superior lighting levels
- No upward spill of light
- Low maintenance
- Energy and cost savings
- Improved carbon efficiency
- Unique emergency power option
- Allows retention of existing fittings
- Range of lens options available
- High quality - UK made
- Easy to install

Applications

- Exterior
- Streets and roads
- Residential areas
- Pathways
- Parks and gardens
- Railway stations
- Shopping precincts
- Town centres
- Villages
- Historical sites
- Urban areas
- Rural areas



Optical Performance

Cree LED - the Chip-On-Board Ceramic Substrate LEDs have a high lumen output, high efficacy, superior light distribution and more efficient heat dissipation than most competing products

CCT Options - A range of colour temperatures are available upon request, ranging from 2200K - 6500K

Colour rendering index - >80 (others available upon request)

Superior luminaire efficacy - Up to 200lm/W

Lens technology - innovative and highly efficient Silicone and PMMA lens technologies are utilised in Zeta's range of SmartScape Heritage solutions. These technologies offer high optical efficiency, high temperature resistance, flexibility at low temperatures, UV-resistance, considerable reduction in yellowing effect over time and micro-crack resistance in harsh environmental conditions

Performance and Savings

Clever Heat Dissipation

The SmartScape Heritage incorporates intelligent cooling technology for optimum heat dissipation, which ensures a long life.

Improved Safety & Reduced Environmental Impact

Enhanced visibility for pedestrians and traffic through improved colour rendering (CRI) of >80, as well as reduced light pollution.

Long Lifespan

Lifetime **L90 B10 @ >100,000 hours** - which can be extended further with the use of smart controls.

Control type	Description
Photocell	Miniature and top mounted options. Switching predetermined light levels i.e. 35:18 lux.
Smart Dimming	Intelligent programmable dimming cycles using DynaDimming built into the Xitanium Driver.
Full CMS	Full control and monitoring of each luminaire using DALI dimming.

Controls

Highly efficient, fully programmable driver which can adjust the light level to suit the application and optimise energy savings.

Through the use of intelligent control systems, additional energy and cost savings can be achieved.

Specifications

Wattage Range (W)	8W - 147W
Light Source	Cree LED
Colour Rendering Index (CRI)	>80 (Others Available Upon Request)
Power Factor	0.95 (When not Dimmed)
Colour Temperature (CCT)	2200 - 6500K
Lumen Maintenance Output (LM80)	L90 B10 @ >100,000hrs
Lighting Regulation	Designed as per BS 5489-1:2013
Installation Height (m)	Up to 12m
Ambient Temperature Range (°C)	-20°C to +50°C
Input Voltage (V)	220-240VAC, 50-60Hz
Dimmable (Y/N)	Y
Driver	Philips Xitanium



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