

Zeta's SmartScape Macro is a versatile LED solution suitable for a variety of applications in street and area illumination including; roads, highways, industrial areas and many more.

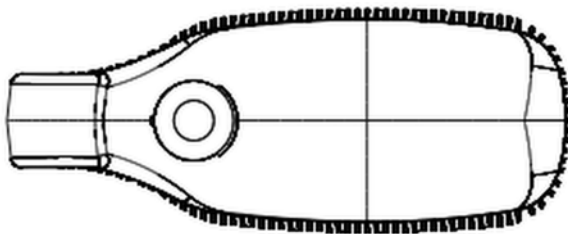
With wattage options from 45W to 150W, SmartScape Macro provides significant energy and cost savings when compared to traditional SOX, SON and CFL luminaires.

SmartScape Macro provides 6000lm (45W) to 17,000lm (150W) of even illumination and has an excellent power factor of >0.95 making it one of the most efficient solutions on the market.

The solution utilises PMMA lens technology, and with 5 standard lens options available, provides a range of beam options to suit many applications.

Zeta's SmartScape Macro also works with all standard Central Management Systems (CMS) meaning additional energy, cost and carbon savings can be achieved.

SmartScape Macro is quick and easy to install, there's no requirement for special tools or heavy lifting equipment.

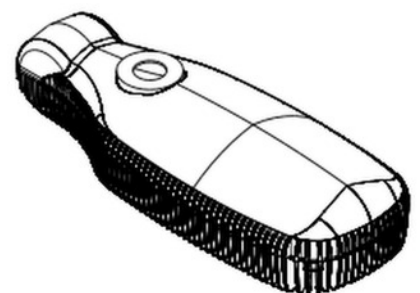


## Features:

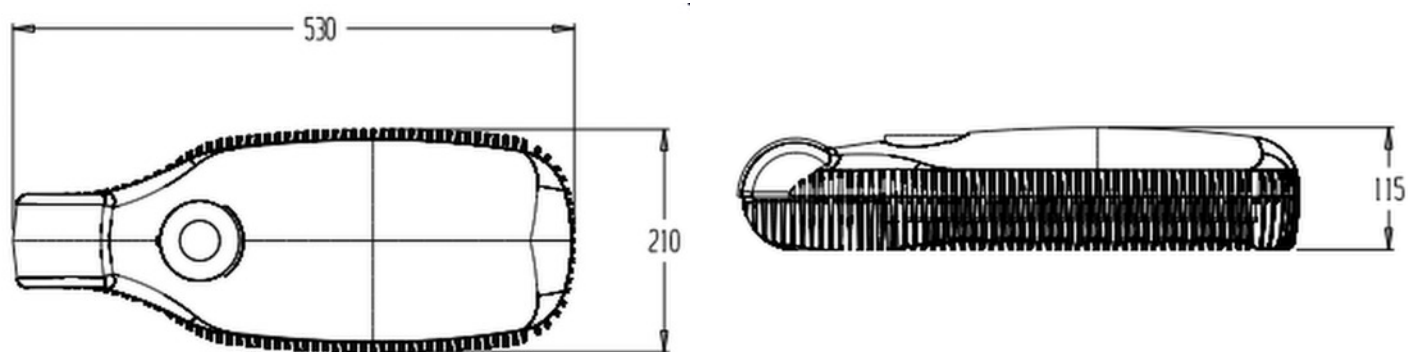
- Compact design
- Light weight
- CMS interface
- High lumen efficacy
- Highly efficient programmable driver
- PMMA lens technology
- Low maintenance
- Energy and cost saving
- Improved carbon efficiency
- Reduced light pollution
- High quality - UK made
- Quick and easy installation

## Applications:

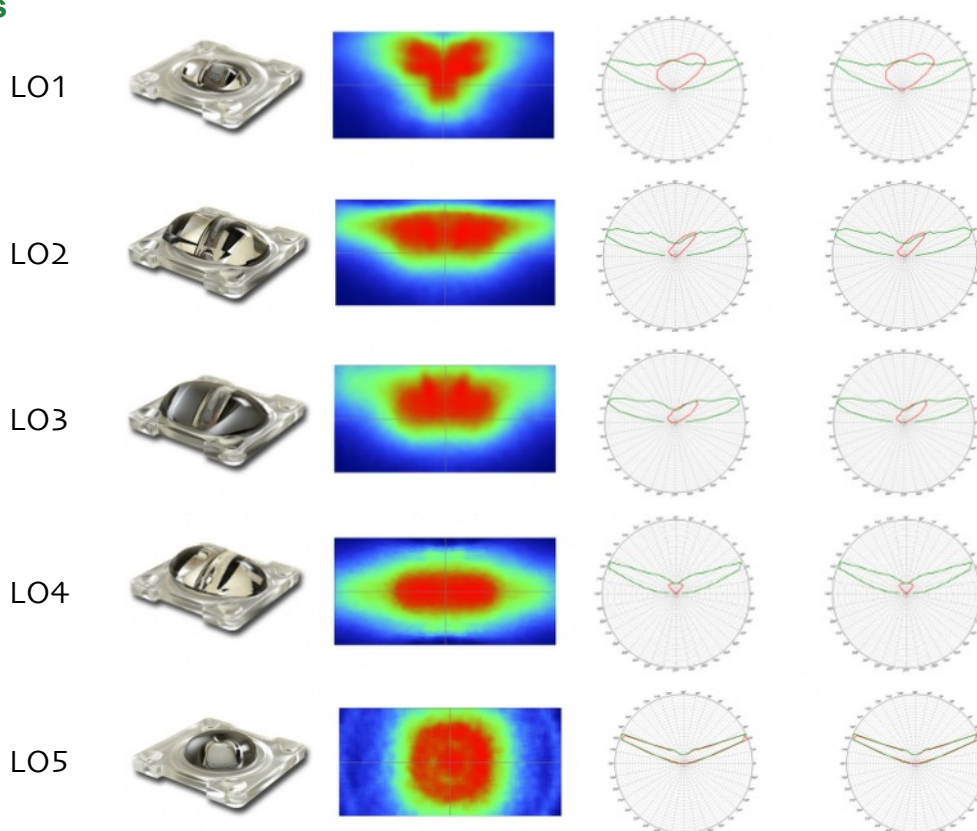
- Exterior
- Highways
- Streets and roads
- Industrial areas
- Commercial areas
- Car parks
- Railway stations
- Urban areas
- Rural areas



## Dimensions



## Lens Options



## 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

**Versatile LED's** - 4000K typical Colour Temperature with other CCTs available upon request.

**Colour rendering index** - >80

**PMMA lens technology** - the innovative technology has a high optical efficiency, temperature resistance, UV-resistance and micro-crack resistance in harsh environmental conditions

### Controls

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

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

Control type	Description
Photocell	Standard control, switching light on/off at predetermined light levels.
Smart Dimming	Using intelligent programmable dimming cycles.
Full CMS	Full control and monitoring of each individual luminaire. Operates DALI dimming.

### Mounting Options

Post top and side entry: to fit a standard 76mm pole (other options available upon request)

Accommodates mounting heights of up to 12m.

Available in a wide range of 5° tilts, for both post top and side entry mounting, to suit the client and application.

### Performance and Savings

#### Clever Heat Dissipation

The SmartScape Macro 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) as well as reduced light pollution.

#### Long Lifespan

Lifetime **>100,000 (L80)** - which can be extended further with the use of smart controls.

#### Significant Energy & Carbon Savings

Savings **in excess of 70%** in comparison to conventional technologies.

#### Payback

The SmartScape Macro has been designed with cost in mind. With a very short return on investment, the Macro begins to save money from the point of install.

## Specifications

Wattage Range (W)	45 - 150W*
Light Source	Cree LED
Lumen Output (lm)	6000 - 17,000lm
Colour Rendering Index (CRI)	>80
Power Factor	0.99 (when not dimmed)
Colour Temperature (CCT)	4000K**
Lumen Maintenance Output (LM80)	L90 B10 @ >100,000hrs
Lighting Regulation	Designed as per BS 5489-1:2013
IP Rating	IP66
Dimensions (mm)	530(l) x 210(w) x 115(d)
Installation Height (m)	Up to 12m
Post Top/Side Entry Tilt	-5°, 0°, 5° and 10° ***
Material	Die Cast Aluminium
Finish	Powder Coated
Colours	RAL 7035****
Ambient Operating Temperature Range (°C)	-20°C to +45°C
Input Voltage (V)	220-240VAC, 50-60Hz
Dimmable (Y/N)	Y
Driver	Philips Xitanium

\*Luminaire can be dimmed further to achieve lower wattages

\*\*Other CCTs available on request (2700 - 6500K)

\*\*\*Standard range, bespoke tilts available in 5° increments upon request

\*\*\*\*Other colours available on request (subject to MOQ of 100 units)



Design  
registered UK

For more information visit: [www.zetaled.co.uk](http://www.zetaled.co.uk)

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