

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

With wattage options of 30W and 40W, SmartScape Nano provides significant energy and cost savings when compared to a traditional SOX, SON and CFL luminaires.

SmartScape Nano provides 3900lm (30W) and 5200lm (40W) 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 silicone lens technology, and with 5 lens options available, provides a range of beam options to suit many applications.

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

Weighing from just 2.9 kg - the lightest in its class - SmartScape Nano is quick and easy to install, there's no requirement for special tools or heavy lifting equipment, and this compact solution won't place unnecessary strain on existing ageing posts.

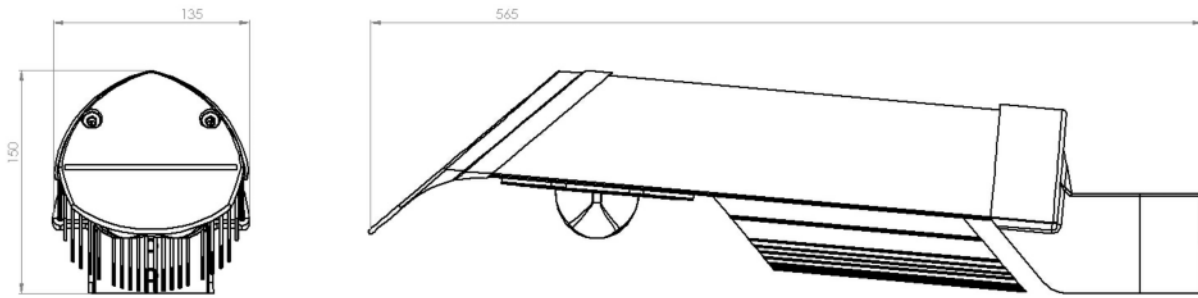


Features:

- Elegant, compact design
- Light weight - from just 2.9kg
- CMS interface
- Luminaire efficacy - >130lm/W
- Highly efficient programmable driver
- Silicone lens technology
- Low maintenance
- Energy and cost saving
- Improved carbon efficiency
- Reduced light pollution
- High quality - UK made
- Quick and easy installation



Dimensions



Optical Performance

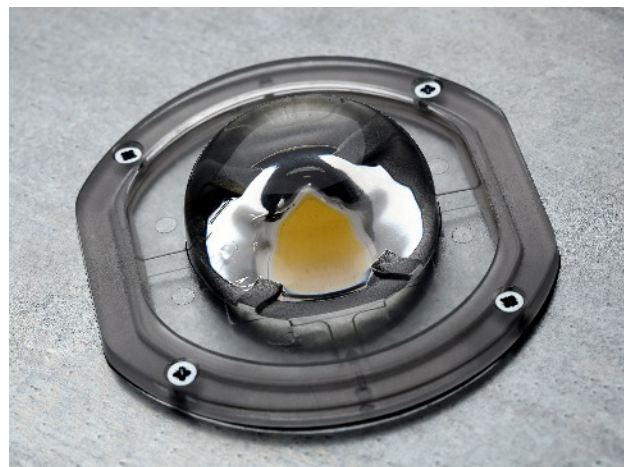
Chip on Board Ceramic-Substrate Cree LED - high lumen output; high efficacy; superior light distribution; higher power density, more efficient heat dissipation

High brightness LED's - 4000K typical with other CCTs available upon request.

Colour rendering index - >70

Superior luminaire efficacy - >130lm/W

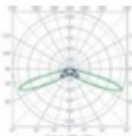
Silicone lens technology - excellent transparency; high optical efficiency; high temperature resistant; flexibility at low temperatures; UV-resistant; no yellowing effect; no need for extra protection such as glass or gasket for IP in case of head-pole; micro-crack resistant under harsh environmental conditions.



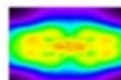
Lens options available - Demo using Lighting Reality

L01

LCR - 100%
Lower flux fraction 100%
Upper flux fraction 0%

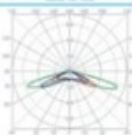


IESNA TYPE I - luminaires mounted over the center of the area to be lighted. Applies to rectangular patterns on narrow streets.



L02

LCR - 100%
Lower flux fraction 100%
Upper flux fraction 0%

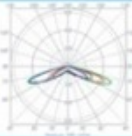


IESNA TYPE II - class of luminaires to be mounted near the edge of the area to be lighted. Applies to narrow streets.

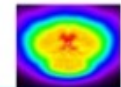


L03

LCR - 100%
Lower flux fraction 100%
Upper flux fraction 0%

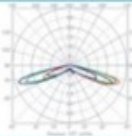


TYPE III - class of luminaires to be mounted near the edge of the area to be lighted. Applies to streets of medium width.

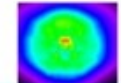


L04

LCR - 100%
Lower flux fraction 100%
Upper flux fraction 0%



TYPE IV - class of luminaires to be mounted near the edge of the area to be lighted. Applies to wide street applications.

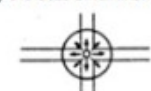
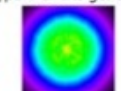


L05

LCR - 100%
Lower flux fraction 100%
Upper flux fraction 0%



TYPE V - luminaires mounted over the center of the area to be lighted. Applies to areas where light is to be distributed evenly in all directions. Type V and is generally the class of luminaire applied in high mast lighting systems.



Control

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

SmartScape Nano is compatible with the following CMS nodes: Mayflower, Harvard LeafNut, Telensa PLANet, Philips Starsense, Zodion Vizion.

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. DALI and 1-10V dimming inputs. |

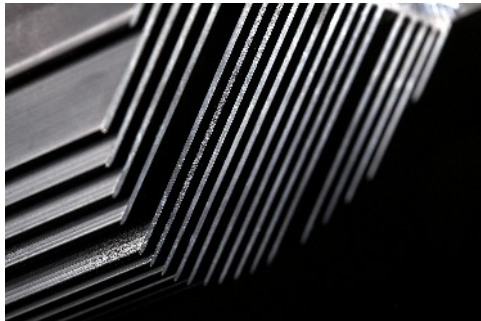
Mounting Options

Post Top mounting - 6m or less column mounting and 76mm standard pole diameter (with adapters available to suit 50 and 62mm pole diameters)

Side Entry mounting - 35 and 42mm pole diameter with adapters available.

-5°, 0°, 5° and 10° mounting angles available for both top and side mounting.

Performance and Savings



Clever Heat Dissipation

The Zeta Nano incorporates intelligent cooling technology which ensures optimum heat dissipation and thereby a long life.

Improved Health and Safety - Enhanced visibility for pedestrians and traffic through improved colour rendering as well as reduced light pollution.

Long Lifespan

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

Significant Energy and Carbon Savings

Achieves energy savings of **up to 60%** in comparison to conventional technologies.

CO2 reductions of **up to 60%** can be achieved, significantly contributing to Local Authority's carbon reduction targets.

Payback

The Nano has been designed with cost in mind. With return on investment from **less than 3 years***, the Nano saves money the moment it is installed.

*Typical payback based on replacing a 55W SOX with a 30W Nano is 2 years 7 months.



Specifications

| | | |
|------------------------------|---|--------|
| Wattage (W) | 30W | 40W |
| Class | P4-P6 | P3-P6 |
| Light Source | Cree LED | |
| Lumen Output (lm) | 3900lm | 5200lm |
| Luminaire Efficacy | >130lm/W | |
| Colour Rendering Index (CRI) | >70* | |
| Power Factor | 0.95 | |
| Colour Temperature (CCT) | 4000K** | |
| Glare Rating | G2 as per EN 13201 | |
| Lumen Maintenance Output | L80B10 > 100,000hrs | |
| Lighting Regulation | Designed as per BS 5489-1:2013 | |
| IP Rating | IP66 (optics) IP65 (body) | |
| Dimensions (mm) | 135(w) x 150(h) x 565(l) | |
| Weight (kg) | 2.9kg | 3.6kg |
| Installation Height | 6m or less | |
| Post Top/Side Entry Tilt | -5°, 0°, 5° and 10° | |
| Material | Aluminium main body with Polycarbonate end caps | |
| Finish | Anodized Aluminium | |
| Colours | Light or dark grey options*** | |
| Operating Temperature (°C) | -10°C to 30°C | |
| Input Voltage (V) | 120-240VAC, 50Hz | |
| Driver | DALI/DIMMABLE | |
| Dimmable (Y/N) | Y | |
| Warranty | 10 years | |

*Based on standard CCT of 4000K

**Other CCTs available on request

***Other colours available on request



FM 45718



Design
registered UK

zeta

Specialist Lighting

Applications:

- Streets and roads
- Residential areas
- Industrial areas
- Pathways
- Car parks
- Parks and gardens
- Railway stations
- Shopping precincts
- Exterior

For more information visit:

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