THORN LIGHTING

VOLUPTO

The perfect focal glow



ELEGANCE AND INTELLIGENCE

FOR THE URBAN SPACE

Volupto's design blends the old and the new. Its elegant appearance and gentle glow bring safety and identity to any urban space, while the fully integrated motion sensor and wireless connectivity options provide the latest in intelligence.



Building surrounds



& pathways

Pedestrian areas & cycle paths

3



Urban & residential streets

A GENTLE GLOW THAT BRINGS SAFETY

AND IDENTITY TO URBAN SPACES

The Focal Glow is the follow spot on the modern stage. It is the pool of light at your favourite reading chair. It is the shaft of sunshine that warms the end of the valley. It is candlelight on the face, and a flashlight on a stair... Focal glow draws attention, pulls together diverse parts, sells merchandise, separates the important from the unimportant, helps people see.

Richard Kelly – American lighting designer (1910 – 1977)



HIGH-TECH MIXING CHAMBER

The mixing chamber inside Volupto is specially designed to maximise efficiency and minimise glare. With a few simple elements Volupto creates the perfect mix of light, for an unobtrusive luminous effect.



THREE-STEP SOLUTION TO

REDUCING LIGHT POLLUTION



CONTROL Only use the light you need SHIELD Keep light where you want it

3

COLOUR TEMPERATURE Use the right colour of light Volupto version U1 meets the product requirements of the documents CIE 150 Guide on the Limitation of the Effects of Obtrusive Light from Outdoor Lighting Installations and the Institution of Lighting Professionals Guidance Notes for the Reduction of Obtrusive Light within rural, urban and commercial areas, namely ULOR < 2.5%. In addition the available colour temperatures of less than or equal to 3000 K meet additional local authority product requirements.

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COLOUR TEMPERATURE

Warm colour temperatures (2200K, 2700K, 3000K) minimise disruption to the nocturnal ecosystem, while creating a comfortable atmosphere.

CONTROL

Adjust light levels based on time of day or night and presence of people or vehicles. Control options including Radio Frequency connectivity, motion detection and corridor function reduce light pollution and save energy.

3 SHIELD

The luminaire optical system is designed to ensure a perfect cut-off, for reduced ULOR values so that light is not emitted upwards into the sky.



LOUVRE OPTIC

When having the R-PEC optic combined with a louvre, the back lighting effect of the luminaire is cut by up to 20%. This feature minimizes spill light and avoids obtrusive light towards buildings for a better quality of life of residents at night, with no impact on the design of the luminaire.

EXTENSIVE STREET (ES) WITH DIFFUSER



RADIAL SYMMETRICAL COMFORT (RSC) WITHOUT DIFFUSER



EXTRA WIDE ROAD (EWR) WITH DIFFUSER



STREET COMFORT (CST) WITHOUT DIFFUSER

VARIETY OF LIGHT DISTRIBUTIONS

Volupto balances vertical and horizontal illumination to ensure outdoor spaces are lit comfortably. It can be fitted with a broad range of optics, R-PEC for asymmetrical street light distribution, A-PEC for asymmetrical and for perfect rotational symmetric light distribution, so it can be used to fulfil all the outdoor lighting requirements of a modern city center, while always keeping a consistent design language.

A TRULY INTELLIGENT LUMINAIRE

The fully integrated motion sensor, together with new connectivity options, makes Volupto a truly intelligent luminaire, ready for the demands of the urban space. Volupto comes with Zhaga interface as standard, for easy and quick connectivity, now or later.



Zhaga provides ready access to a wide choice of control solutions. This makes it easy to connect Volupto to the digital world at any time, and ensures compatibility with advanced lighting features that help you plan, monitor and control your outdoor lighting network.

INTEGRATED MOTION DETECTION SENSOR

The high-sensitivity motion detector can sense people, bicycles and slow-moving vehicles. From a typical mounting height of 4 metres, the sensor can cover an area 5 metres wide. When nothing is detected, power stays at 20% to preserve the night environment. When motion is detected, the luminaire dims up to 100%, with a five-minute hold time making sure people feel secure and relaxed. The light then ramps back down to 20% over 30 seconds. These settings can be modified on request.





INSTALLATION POSSIBILITIES

Volupto has a large number of possible mast configurations, styles, mountings and heights.

- Low weight for easy manipulation
- Pre-wired for ease of installation (one tool)
- 120° fixing screws for perfect adjustment on the pole
- Maintenance with access from above (one tool)
- Volupto features a choice of options to contribute to comfort and wellbeing in urban and residential streets, city centres, pedestrian and cycle paths, parks and promenades.



DISCOVER THE

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VOLUPTO FAMILY







| | SEMI FROSTED | CLEAR | | | | | | | | | |
|------------|---|----------------------------|------------------------|------|--|--|--|--|--|--|--|
| | WITH DIFFUSER | WITH DIFFUSER | WITHOUT DIFFUSER | U1 | | | | | | | |
| ULOR | < 5%* *up to 5,5% with WST and RS optics | < 4% | < 3% | < 1% | | | | | | | |
| | Environmental friendly luminaire | | | | | | | | | | |
| 200 | 12 LEDs / 18 LEDs / 24 LEDs | | | | | | | | | | |
| | UP TO 7700 lm | | | | | | | | | | |
| Ø | UP TO 159 lm/W | | | | | | | | | | |
| | 2200К / 2700К / 3000К / 4000К | | | | | | | | | | |
| CRI | 70 / 80 | | | | | | | | | | |
| 80 | IP66 | | | | | | | | | | |
| | −35 to +50°C | | | | | | | | | | |
| | IK10 | | | | | | | | | | |
| Ø | BASE AND CANOPY CORROSION RESISTANT die cast powder-coated aluminium for C5 environments | | | | | | | | | | |
| * | UV Resistant | | | | | | | | | | |
| - 100K | 100 000 h B10 L95 at 25 ℃ 100 000 h B10 L90 at 50 ℃ | | | | | | | | | | |
| | R-PEC and A-PEC | | | | | | | | | | |
| × | | T60 / T76 | | | | | | | | | |
| * | TEXTURIZED ANTHRACITE (close to RAL 7043 and 14 additional colors as standard) | | | | | | | | | | |
| 5 3 | | 10 kV | | | | | | | | | |
| | AS STANDARD: DALI dimme | able, Bi-Power Power Line, | Constant Light Output, | | | | | | | | |

Light Reduction Twin Phases, Zhaga interface, Motion detection master with Zhaga interface

ON REQUEST: Radio Frequency, CityTouch



CONFIGURATION GUIDE

thornlighting.com/VOLU

| VO | 24L | 70 | 827 | SF | WSC | LV | CLO | MAS | BP550 | HFX | SP | CL2 | W5 | T60 | ANT | |
|-------------|-----------------------|----------------------------|-----------------------------|--|-------------------------|-------------------------------------|---------------------------|----------------------------------|-------------------------|--|--|---|--------------------------------|--|---|---|
| VO Range | 24L LED | 70 mA | 827 CCT/CRI | SF Bowl type | WSC Optic | LV Internal louvre (R-PEC) | CLO | MAS Controls | BP550 Dimming | HFX DALI | SP | CL2 Safety | Wiring D5 D6 D8 W5 | T60 T76 Pre-wired, Pre-wired, Pre-wired, Pre-wired, | Colour ANT GY BK R9006 R9005 R9007 R7035 R7016 R3004 R7015 R6005 R9010 R7043 R7016 R3004 S7010 R7043 CMm spir 26 mm spir 27 mm spir 5 m length, 1. 6 m length, 1. 6 m length, 1. 6 m length, 1. | got 5 mm² for GERMANY region 5 mm² for GERMANY region 5 mm² for GERMANY region 5 mm² 5 mm² |
| | | | | | | | | | | | | CL1 CL2 | W8 | Pre-wired, | 8 m length; 1. | 5 mm² |
| | | | | | | | | | | HFX | optional SP 10 kV multi pulse surge protection HFX DALI Dimmable | | | | | |
| | | | | | | | | | BPL LRT | Light Redu | Power Line uction Twin I | | | | | |
| | | | | | | | | | BP550 BP750 BP | Bi-Power Bi-Power | 7h (-3h +4h) 8h (-3h +5h) | 50% reducti 50% reducti 50% reducti | on around m on around m | idnight iidnight | | |
| | | | | | | | | | BP530 BP730 BP830 | Bi-Power | 7h (-3h +4h) | 30% reduction 30% reduction 30% reduction | on around m | idnight | | |
| | | | | | | | | MAS SLA | Motion det | tection master pilot wire tection slave pilot wire | | | | | | |
| | | | | | | | | MZ SZ ZU | | tection Master with Zhaga (ZU) interface, with 2 sensors tection Slave with Zhaga (ZU) interface, without sensors .ket | | | | | | |
| | | | | | | | CLO optional on | optional Constant li R-PEC | ght output | | | | | | | |
| | | | | | NR | LV Narrow Road | Internal lou | | | | | | | | | |
| | | | | | SC EWR | Street Comfort f Extra Wide Road | | | | | | | | | | |
| | | | | | ENR WS | Extra Narrow Ro Wide Street | ad | | | | | | | | | |
| | | | | | WSC ES | Wide Street Con Extensive Street | | | | | | | | | | |
| | | | | | WST R/S | Wide Street Radial Symmetri | | | | | | | | | | |
| | | | | | RSC CST | Radial Symmetri Street Comfort f | cal Comfort f | For U1 | | | | | | | | |
| | | | | SF CL-D | Semi froste | | | | | | | | | | | |
| | | | | CL U1 | Clear bowl ULOR < 1% | without diffuser | | | | | | | | | | |
| | | | 722 827 | CRI 70 2200 CRI 80 2700 | ОК | | | | | | 1 | Ø 406 - | = | | | Ø 406 |
| | | | 730 830 740 | CRI 70 300 CRI 80 300 CRI 70 400 | ОК | | | | | | ĺ | | | | | |
| | | 35 | 840 350 mA | CRI 80 400 | | | | | | | | | -571/556- | | | - 588/573 |
| | 12L | 50 70 105 12 LEDs | 500 mA 700 mA 1050 mA | | | | | | | | | | | | | Ø60/76 |
| VO | 18L 24L Volupto | 18 LEDs 24 LEDs | | | | | | | | | VOLUPT | 0 60 % | Ø76 | | | 0 Ø 60 & Ø 76 AGA SOCKET |
| | | | | | | | | | | 0 (| | | | | | |

Configure the ideal product solution with myProduct. The myProduct configurator allows you to quickly and easily configure the luminaire to suit your individual needs. **Try it now at www.thornlighting.com/myproduct**



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