## 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

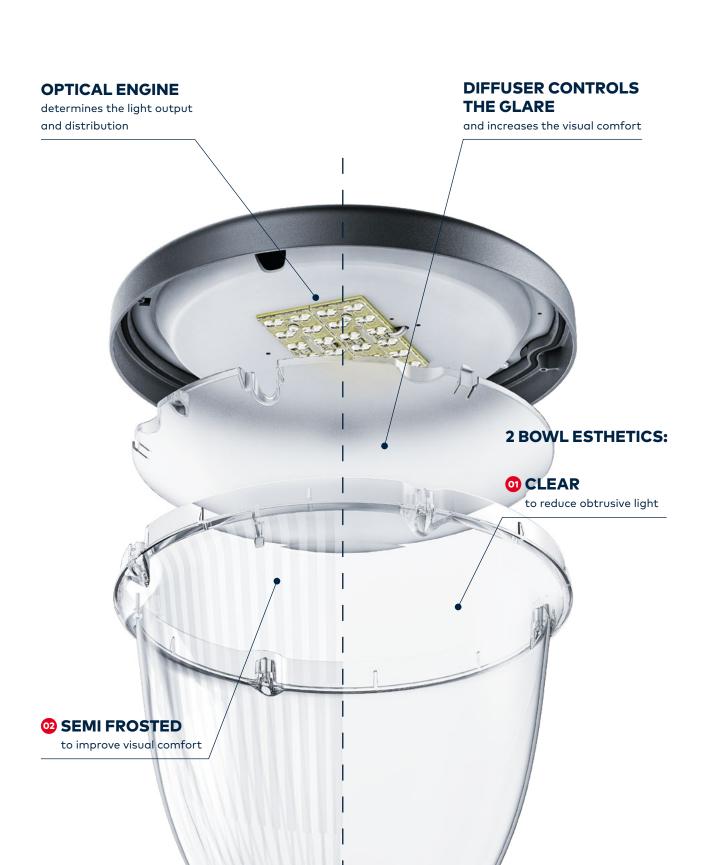
The Focal Glow is the follow spot on the modern stage. It is the pool of light at your favourite reading chair. It is the shaft of sunshine that warms the end of the valley. It is candlelight on the face, and a flashlight on a stair... Focal glow draws attention, pulls together diverse parts, sells merchandise,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

a.d.

0

•

### 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

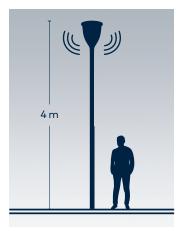
The fully integrated motion sensor, together with new connectivity options, makes Volupto a truly intelligent luminaire, ready for the demands of the urban space. Volupto comes with Zhaga interface as standard, for easy and quick connectivity, now or later.

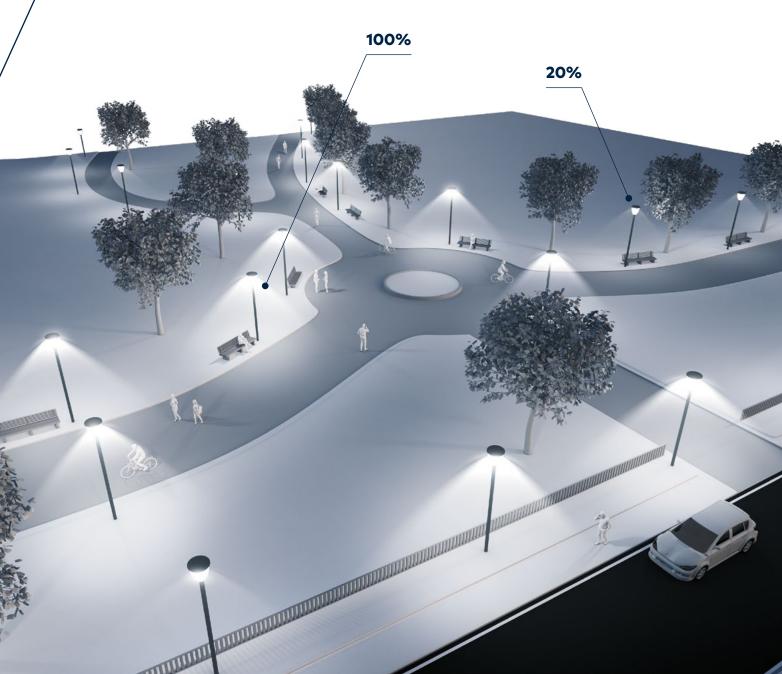


Zhaga provides ready access to a wide choice of control solutions. This makes it easy to connect Volupto to the digital world at any time, and ensures compatibility with advanced lighting features that help you plan, monitor and control your outdoor lighting network.

#### 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.

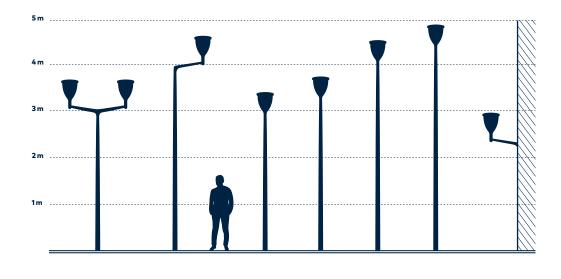




### INSTALLATION POSSIBILITIES

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**

 $\approx$ 

## **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									
*	<b>TEXTURIZED ANTHRACITE</b> (close to RAL 7043 and 14 additional colors as standard)										
<b>5</b> 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						
							<b>CLO</b> 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** 



As a globally leading luminaire manufacturer, Thorn Lighting provides a five-year warranty for its complete product range within all European Countries. thornlighting.com/guarantee Thorn Lighting is constantly developing and improving its products. All descriptions, illustrations, drawings and specifications in this publication present only general particulars and shall not form part of any contract. The right is reserved to change specifications without prior notification or public announcement. All goods supplied by the company are supplied subject to the company's General Conditions of Sale, a copy of which is available on request. All measurements are in millimetres and weights in kilograms unless otherwise stated. 07/2024 (INT)

