

# PLURIO

Visual comfort, precision, adaptability

# VERSATILITY AND VISUAL COMFORT, DRIVEN BY OPTICAL EXCELLENCE

#### **AESTHETIC VERSATILITY**

With Plurio, designers can select the most appropriate design to integrate with any urban space. Four different variants provide the freedom to perfectly integrate the lighting system into the built environment, both by night and by day. This versatility helps give outdoor spaces a unique identity, without compromising on quality of lighting.

#### GROUND-BREAKING OPTICAL TECHNOLOGY

The Plurio family is designed to provide both direct and indirect illumination, while maintaining consistency in aesthetic appearance and light quality. This innovative optical solution empowers Plurio to deliver performance, comfort and precision, providing the right solution in any outdoor situation, while fulfilling technical and environmental requirements.

#### LIGHT DISTRIBUTION

Plurio minimises light pollution, with zero upward light emission. It also comes with a wide variety of colour temperature options, including warm tones to respect the nocturnal ecosystem. Plurio is equipped with Thorn's NightTune, which adjusts colour temperature in line with light output to enhance the nighttime ambience. Its warm, uniform light breathes new life into spaces, supporting outdoor activity, and adapting in light level as needed.



Parks, promenades & pathways



Urban & residential streets



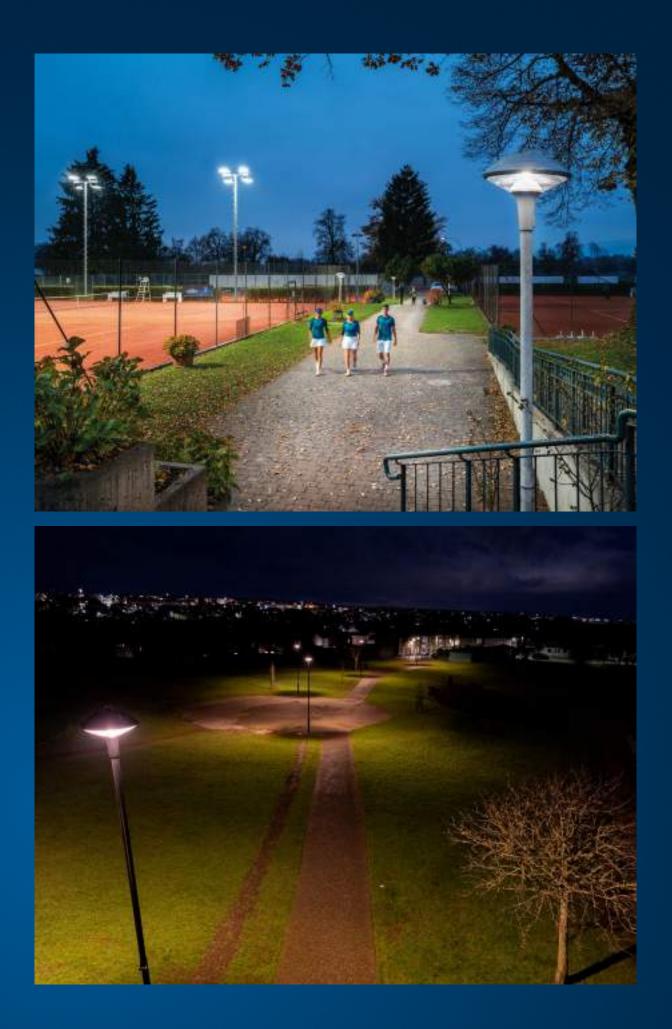
Parking



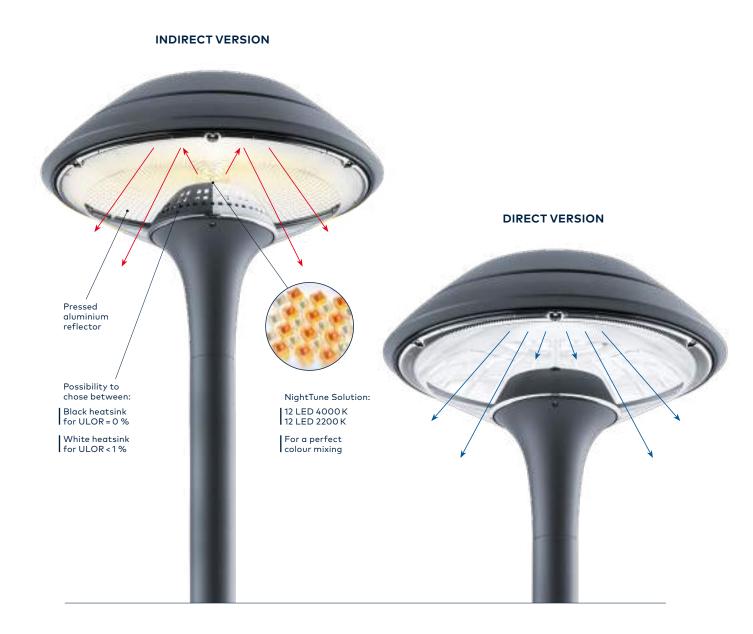
## DARKSKY ACCREDITATION

'DarkSky' is recognised as the global authority on light pollution and is the leading organisation combating this issue worldwide.

The DarkSky Approved seal is a highly regarded accreditation for manufacturers. The process to achieve this accreditation reviews key features and benefits of a luminaire, its fundamental design and deep dive analysis of photometric data to ensure the product meets strict requirements to limit light pollution.



## DIRECT/INDIRECT TECHNOLOGY





#### **NIGHTTUNE TECHNOLOGY**



NightTune creates the perfect balance in lighting at night. It gives a sense of security and wellbeing for people whilst conserving energy and protecting ecosystems. NightTune automatically adjusts the level of light emitted from a light fitting, mixing dimmable light from warm and cool LEDs. Cooler LEDs dim when night falls and increase when traffic levels rise in the morning, leaving warmer LEDs on throughout the night.



## **ZHAGA FUTURE-PROOF CONTROL**

With a Zhaga socket connection, project owners gain an intelligent luminaire that is ready for a smart future. This RF-based, wireless control system empowers the convenient remote management of individual luminaires or groups of luminaires; troubleshoot, access system status and analysis data, manipulate the time, calendar and more – without having to physically visit installations.

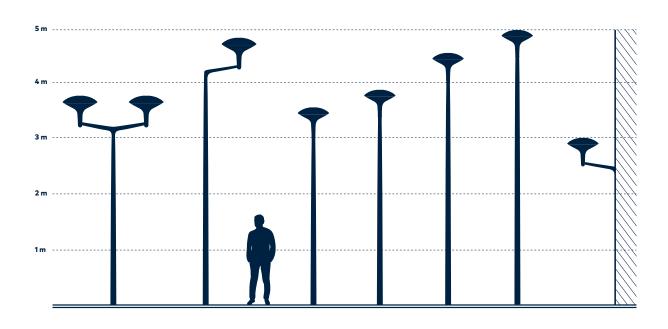


Zhaga Zhaga provides ready access to a wide choice of control solutions via a standardised, Zhaga-D4i certified socket.

ZDi

# INSTALLATION POSSIBILITIES



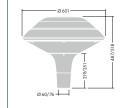


# **CONFIGURATION GUIDE**

#### thornlighting.com/PLRL

<pre></pre>	PLI	0	18L105	740	R/S	CLO	ZU	BPS	HFX	Т60	D5	CL2	ANT	UO	
<pre></pre>	Range	e Canopy	LED/mA	CCT/CRI	Optic	CLO	Control	Dimming	DALI	Spigot	Wiring	Electric Class	Colour	ULOR	
													GY BK R9006 R9005 R9007 R7005 R7016 R3004 R3004 R3004 R3005 R9010 R7043 R7043	Texturised a Texturised lig Texturised b RAL9006 RAL9016 RAL9007 RAL7005 RAL7015 RAL7015 RAL7015 RAL2004 RAL7015 RAL9010 RAL7043	ght grey
<pre>product in the product in the p</pre>										T76	D6 D8 W4 W6 W8 60 mm spige	optional Pre-wired, 4 m Pre-wired, 6 m Pre-wired, 8 m Pre-wired, 4 m Pre-wired, 6 m Pre-wired, 8 m	length, 1.5 mm <sup>3</sup> length, 1.5 mm <sup>3</sup> length, 1.5 mm <sup>3</sup> length, 1.5 mm <sup>3</sup> length, 1.5 mm <sup>3</sup>	for DACH	
PLD Plurio Direct   PLD Plurio Direct   PLD Plurio Direct					EWC EWC-B WST CRI 70 2200	Rotational S Extra-Wide Extra-Wide Wide Street K	N5 N7 ZU optional Constant lig Symmetrical Comfort Asym Comfort Asym	BPL BPS BPS750 BPS530 BP530 BP730 BP730 MLD1 optional Integral Mini Integral Mini Integral Mini Integral NEN Zhaga socke ht output metrical (indim metrical with h	optional Light reduct Bi Power Power sw Bi-Power sw Bi-Power sw Bi-Power sw Bi-Power Sh Bi-Power Sh Bi	DALI dimme on twin phoses wer Line Itchable 8 h 50 itchable 5 h 30 itchable 7 h 30 50 % reductio 30 % reductio 30 % reductio Dimming seer 0 K, 100 % 300 cket - 5 pin cket - 7 pin	s ) % reduction a ) % reduction a ) % reduction a on around midn on around midn on around midn on around midn on around midn 00 K (available	round midnight round midnight ight ight ight ight ight i000 K, 2 h 75 % :		% 2200 K,	
		R F D Plurio Direct	24L35 24L50 24L60 24L70 18L35 18L50 18L70 18L105 Original cano Round canop Flat canopy Disc canopy	730 740 827 830 840 722-40 24 LEDs@55 24 LEDs@55 24 LEDs@55 24 LEDs@70 18 LEDs@10 18 LEDs@10	CRI 70 3000 CRI 70 4000 CRI 80 2700 CRI 80 2700 NightTune: E 0 mA (indirect 0 mA (indirect 0 mA (indirect 0 mA (indirect 0 mA (indirect 0 mA (indirect) 0 mA (direct)	9 K 9 K 9 K 9 im from 2200 ) ) ) ) )	9 K to 4000 K, C	CRI 70					43/484		8601
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- Ø 564 -0/251 Ø 60/76 ORIGINAL CANOPY Ø60&Ø76



FLAT CANOPY Ø 60 & Ø 76



Ø60&Ø76

 $\label{eq:configure} Configure the ideal product solution with myProduct. The myProduct configurator$ allows you to easily configure a luminaire according to your needs. Try it now at www.thornlighting.com/myproduct

#### DISCOVER







	PLURIO DIRECT	PLURIO INDIRECT						
and the second s	18 LEDs	24 LEDs						
	2200 K / 2700 K / 3000 K / 4000 K	2200 K / 2700 K / 3000 K / 4000 K / 2200-4000 K						
<u>1</u>	up to 6840 lm	up to 6080 lm						
Ø	up to 130 lm / W	up to 134 lm / W						
CRI	70 / 80							
ULOR	O %	0 % with black heatsink						
00	IP66							
	−30 to 25 °C							
	ІКОВ							
Ø	T60: C5 ; T76: C3							
	100 000 h B10 L95 at 25 ℃							
	Rotational Symmetrical / Wide Street Asymmetrical	Rotational Symmetrical / Extra Wide Comfort Asymmetrical / Extra Wide Comfort Asymmetrical with backlight control louvre						
×	T60 / T76							
*	Texturised anthracite, black or light grey and 60 additional colours							
53	10 kV single pulse common mode							
	Bi-Power, Bi-Power Switch, Bi-Power Line, Light Reduction Twin Phases, Multi-Layers Dimming, Constant Light Output, Mini Photocell, (DALI / Indirect), Nema, Zhaga interface							





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)

