

THORN
LIGHTING



AVENUE

The iconic post-top light redesigned for Dark Skies

EVERGREEN URBAN LIGHTING

THE ICONIC POST-TOP FAMILY EVOLVED WITH DARK-SKY COMPLIANT OPTICS AND ZHAGA CONTROL

For nearly thirty years, Avenue has been a best-selling post-top family in the Thorn outdoor portfolio. Now, combined with the latest technology, Avenue is still the ideal choice for urban spaces with its near-zero upward light that minimises sky glow, and the option of advanced Zhaga control, allowing Avenue to integrate into smart systems for remote monitoring and configuration, saving energy and reducing maintenance costs.

Avenue F2 and Avenue D2 are both suitable for a wide range of urban lighting areas with their great looks, tailored light output and advanced control options.



Urban &
residential
streets



Building
surrounds



Parks,
promenades
& pathways



Parking



DARK SKY ACCREDITATION

The International Dark Sky Association is recognised as the global authority on light pollution and is the leading organisation combating this issue worldwide.

The IDA Fixture Seal of Approval 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.



A TIMELESS FAMILY

With Avenue from Thorn, designers can select the most appropriate Avenue post-top to integrate with any urban space. Two different designs provide the freedom to perfectly integrate the lighting system into the built environment, both by night and by day.

All configurations of Avenue have a rated lifetime of 100 000 hours and a wide choice of colour temperature and control options. The Avenue family has a timeless, contemporary design.



**AVENUE F2
FLAT ENCLOSURE**



**AVENUE F2
PRISMATIC CROWN**



AVENUE D2

LIGHTING SIGNATURE

Across the product family, the lighting signature of Avenue is exceptional. Establishing the Avenue look are its distinctive, V-shaped arms, strong yet lean.

The classic Avenue F2 has a prismatic crown that provides soft, low-glare light when illuminated, while it's now also available with a modern, flat enclosure and optic that produces just 0.4 % upward light to meet strict new light pollution regulations that are fast becoming a global standard.

The Avenue D2 has an elegant, teardrop style, prismatic diffuser that prevents glare and provides a unique, comfortable light. A decorative lampshield in a copper or stainless steel finish complements the design, with a beautiful lit effect through the hundreds of small hollows that form part of the shield.



AVENUE F2

NEW OPTICAL PRECISION

Avenue F2 combined with its new flat enclosure and optic minimises light pollution commonly known as sky glow, with an upward light emission (ULOR) of just 0.4 %. It also comes in a wide variety of colour temperature options, including warm tones to respect the nocturnal ecosystem.

DARK SKY COMPLIANT LIGHT

Many regions around the world are now adopting strict 'Dark Skies' regulations for urban lighting to ensure light that contributes to the brightening of the night sky is reduced wherever possible. Thorn is proud to be collaborating with the International Dark Skies Association (IDA), to independently certify many of our outdoor luminaires. The Avenue F2 (with flat enclosure) and Avenue D2 are both IDA Dark Sky Approved.

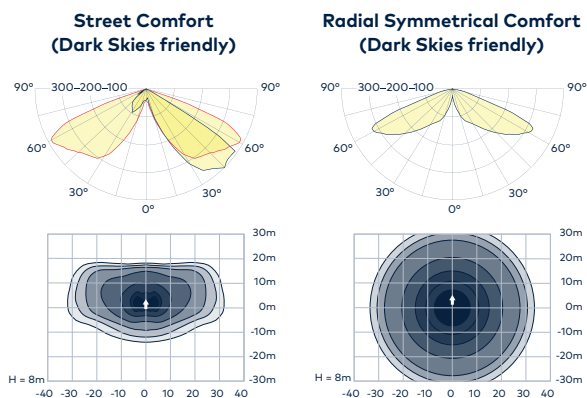
LIGHT THAT RESPECTS NATURE

Cooler colour temperatures include more blue wavelength light, which can cause a more negative impact on animals and humans alike.

Following the latest science in optimal outdoor lighting for people and the environment, Avenue is available in warmer colour temperatures 2200 K, 2700 K and 3000 K, offering the possibility of a warm ambience to the residential area, park or pathway it's installed in and being more considerate to wildlife that are active during the night.

CAREFULLY BALANCED LIGHT

Lighting urban areas is about balancing safety, comfort and style. Light must not only illuminate, but also be pleasant and welcoming. This requires good quality lighting with the right colour properties, and careful control of glare. Benefitting from Thorn's A-PEC optics, Avenue achieves excellent glare control.



LIGHTING CONTROL

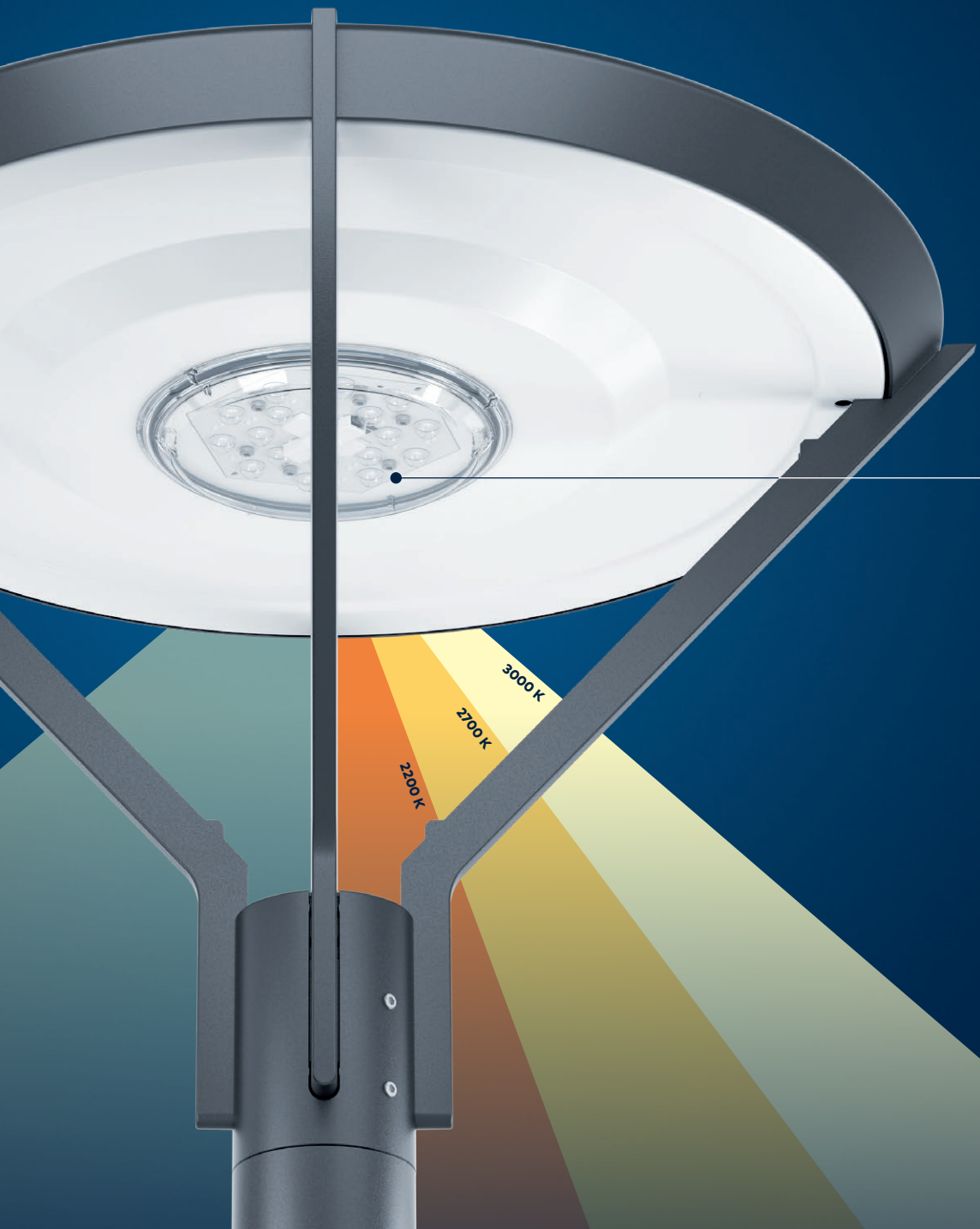
Excessive light is not only a waste of energy, but it can be a source of pollution leading to a range of negative effects on the natural environment. Thorn's range of Avenue post-top luminaires are customisable with a range of dimming and smart control systems, that can save energy, protect the environment and deliver the optimum lit effect.

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.



IDA Dark Sky
Approved design
with just 0.4 %
upward light

AVENUE F2

A post-top lantern with a prismatic crown for reduced glare and a distinctive lighting appearance. An inner polycarbonate bowl protects the crown and ensures IP66 water-resistance.

Available in a choice of asymmetrical and symmetrical light distribution, plus configurable options for Bi-Power dimming, Photocell and Zhaga control.

BI-POWER DIMMING

The fully customisable Bi-Power system reduces energy consumption and light output hours during the quietest part of the night. It will also extend the lifetime of the Avenue luminaire.

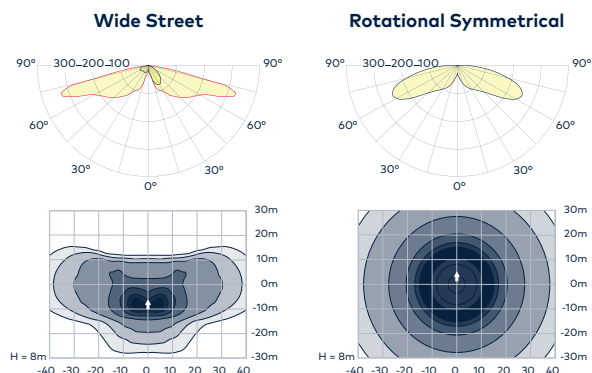
PHOTOCELL

Avenue can be equipped with a photocell to sense ambient light levels and automatically adjust to seasonal changes in the day/night cycle.

Zhaga socket option

**PRISMATIC CROWN
DIFFUSER:**
Clear or frosted UV
stabilised PC

Polycarbonate bowl



AVENUE D2

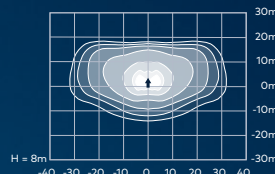
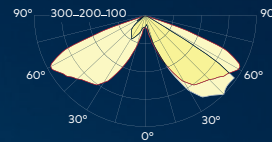
An elegant and efficient post-top lantern with a teardrop like, prismatic enclosure. Provides a unique lighting signature and comfortable, low-glare light.

Environmentally sensitive optical design with a combination of warm colour temperatures, upward light of less than 1% and a choice of dimming options, Zhaga compatible.

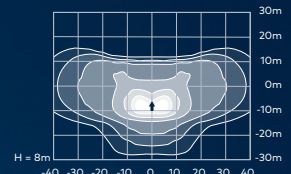
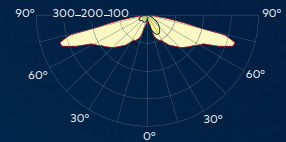


Bi-Power switch (BPS)
Requires no external control wiring, and can be easily customised or turned off.

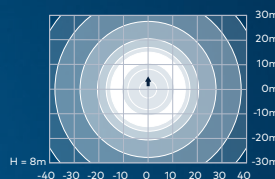
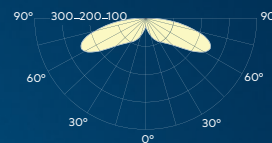
Street Comfort
(Dark Skies friendly)



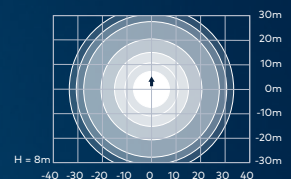
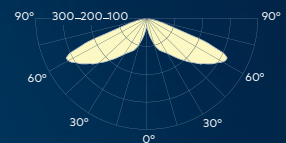
Wide Street



Rotational Symmetrical



Radial Symmetrical Comfort
(Dark Skies friendly)



DIFFUSER:

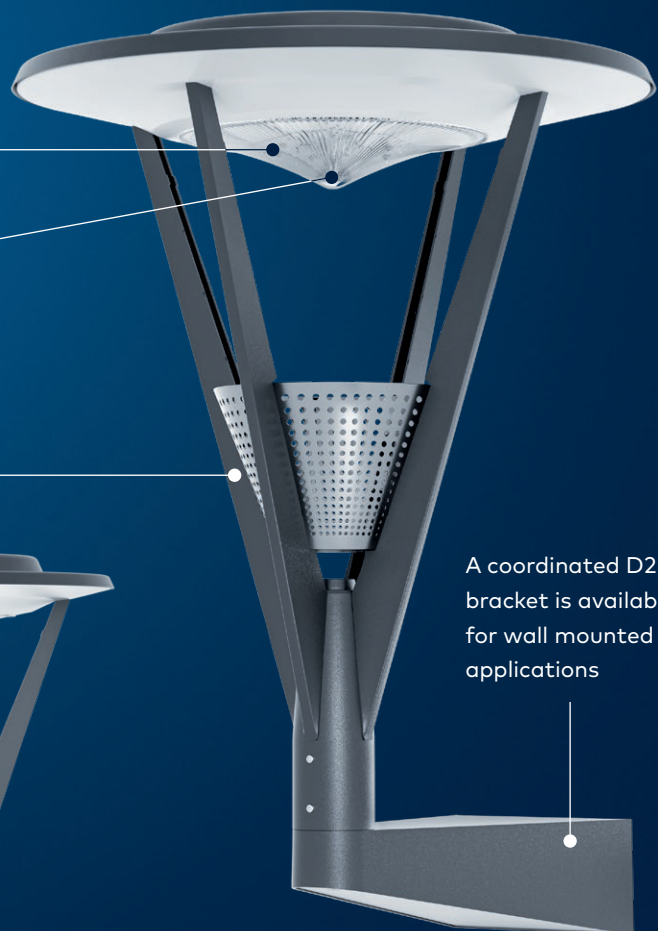
Clear or frosted UV stabilised PC

IDA Dark Sky Approved design with less than 1% upward light

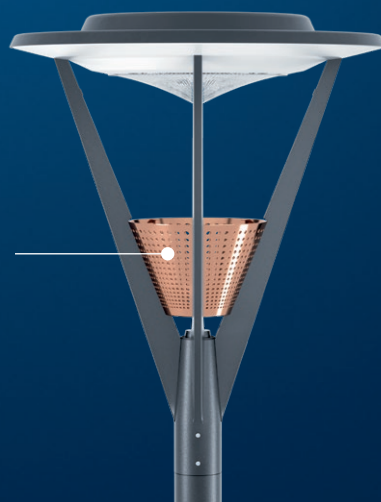
Die cast aluminium with a powder coated, anthracite finish. Various RAL colour options are available

CHOICE OF DECORATIVE LAMPSHIELD:

Metallised PC with copper or stainless steel finish



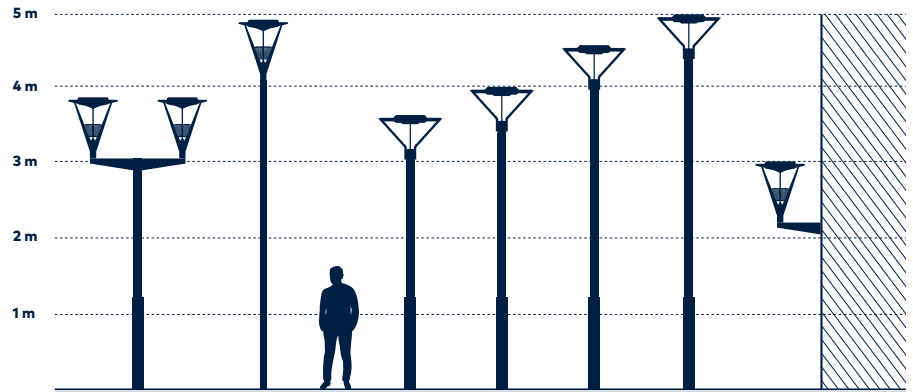
A coordinated D2 bracket is available for wall mounted applications



INSTALLATION POSSIBILITIES

Avenue offers a number of possible mast configurations, styles, mountings and heights. Installers benefit from:

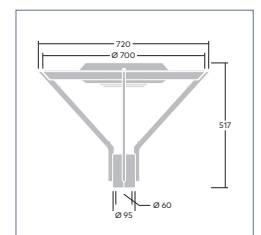
- Pre-wired for ease of installation
- Avenue F2: Connector or pre-wired 4, 5 or 6 meters 1mm² HO5VVF
- Avenue D2: Pre-wired 4, 5, 6 or 8 meters 1,5mm² HO7NRF
- Fixing screws for perfect adjustment on the pole



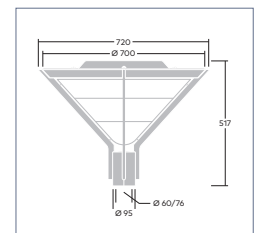
CONFIGURATION GUIDE - AVENUE F2

thornlighting.com/AVFL

AVF	18L35	730	RS	CL	CLO	-	BP3550	CL1	CON	T60	ANT
Range	LED/mA	CRI/CCT	Optic	Bowl type	CLO	Controls	Dimming	Safety	Wiring	Spigot	Colour
											RXXXX RAL ANT Texturised anthracite GY Texturised light grey BK Texturised black
										T60 Mounting on Ø60mm pole T76 Mounting on Ø76mm pole	
									CON Pre-wired, with connector N4M Pre-wired, 4m length; 1mm ² HO5VVF N5M Pre-wired, 5m length; 1mm ² HO5VVF N6M Pre-wired, 6m length; 1mm ² HO5VVF		
								CL1 Electrical class 1 CL2 Electrical class 2			
								optional			
							BPXXXX Bi-Power BSXXXX Bi-Power switch				
								optional			
								PM Integral Mini photocell ZU Zhaga socket up			
								optional			
					CLO Constant Light Output						
				CL Clear crown FR Frosted crown							
			RS Rotational Symmetrical RSC Radial Symmetrical Comfort (Dark Skies friendly) CST Street Comfort (Dark Skies friendly) WST Wide Street								
		722 CRI70 2200 K 727 CRI70 2700 K 827 CRI80 2700 K 730 CRI70 3000 K 830 CRI80 3000 K 740 CRI70 4000 K 840 CRI80 4000 K									
	18L35 18 LEDs 350 mA 18L50 18 LEDs 500 mA 18L70 18 LEDs 700 mA 18L105 18 LEDs 1050 mA										
AVF Avenue F2 AVF F Avenue F2 Flat enclosure											



**AVENUE F2
FLAT ENCLOSURE**



**AVENUE F2
PRISMATIC CROWN**

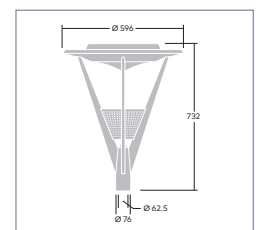
Configure the ideal product solution with myProduct. The myProduct configurator allows you to quickly and easily configure the luminaire to suit your individual needs.

Try it now at www.thornlighting.com/myproduct

CONFIGURATION GUIDE - AVENUE D2

thornlighting.com/AVD2

AVD	18L35	730	RS	FR	CLO	-	-	CL2	W4	ANT	
Range	LED/mA	CRI/CCT	Optic	Bowl type	CLO	Controls	Dimming	Safety	Wiring	Spigot	Colour
											RXXXX RAL ANT Texturised anthracite GY Texturised light grey BK Texturised black Mounting on Ø60 pole
									W4 Pre-wired, 4m length; 1,5mm ² W5 Pre-wired, 5m length; 1,5mm ² W6 Pre-wired, 6m length; 1,5mm ² W8 Pre-wired, 8m length; 1,5mm ²		
								CL1 Electrical class 1 CL2 Electrical class 2			
							optional				
							BP Bi-Power 8h 50 % reduction around midnight BP550 Bi-Power 5h 50 % reduction around midnight BP750 Bi-Power 7h 50 % reduction around midnight BP530 Bi-Power 5h 30 % reduction around midnight BP730 Bi-Power 7h 30 % reduction around midnight BP830 Bi-Power 8h 30 % reduction around midnight BPS Bi-Power Switch 8h 50 % reduction around midnight BPS550 Bi-Power Switch 5h 50 % reduction around midnight BPS750 Bi-Power Switch 7h 50 % reduction around midnight BPS530 Bi-Power Switch 5h 30 % reduction around midnight BPS730 Bi-Power Switch 7h 30 % reduction around midnight BPS830 Bi-Power Switch 8h 30 % reduction around midnight				
							optional				
							PM Integral Mini photocell ZU Zhaga socket up				
						optional					
					CLO Clear optional Constant Light Output						
				- Clear FR Frosted							
			RS Rotational Symmetrical RSC Radial Symmetrical Comfort (Dark Skies friendly) CST Street Comfort (Dark Skies friendly) WST Wide Street								
		722 CRI70 2200 K 727 CRI70 2700 K 827 CRI80 2700 K 730 CRI70 3000 K 830 CRI80 3000 K 740 CRI70 4000 K 840 CRI80 4000 K									
	18L35 18 LEDs 350 mA 18L50 18 LEDs 500 mA 18L70 18 LEDs 700 mA										
AVD	Avenue D2										



AVENUE D2

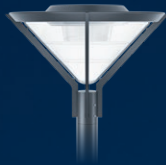
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DISCOVER

*IDA fixture seal of approval relates to ≤ 3000 K only and clear enclosures. Luminaires must be mounted as photometered.

AVENUE



AVENUE F2



AVENUE F2



AVENUE D2

	with clear or frosted crown	with clear flat enclosure	with clear or frosted enclosure
	18 LEDs		
	2200 K / 2700 K / 3000 K / 4000 K	2200 K / 2700 K / 3000 K	2200 K / 2700 K / 3000 K / 4000 K
	up to 5450 lm	up to 6900 lm	up to 5220 lm
	up to 144 lm/W	up to 130 lm/W	up to 138 lm/W
CRI	70 / 80		
ULOR	<3 %	0.40 %	<1 %
	IP66		
	-20 to +25 °C		
	IK08		
	100 000 h B10L90 @25 °C		
	Rotational Symmetrical / Wide Street	Radial Symmetrical Comfort / Street Comfort	Radial Symmetrical / Rotational Symmetrical Comfort / Wide Street / Street Comfort
	T60 / T76	T60	
	Texturised anthracite, light grey, black and 60 additional RAL colours	Texturised anthracite, black	Texturised anthracite, light grey, black and 14 additional RAL colours
	6 kV multi pulse differential mode (10 kV single pulse common mode)		
	Bi-Power, Bi-Power Switch, Constant Light Output, Mini Photocell, Zhaga interface	Bi-Power, Constant Light Output, Zhaga interface	DALI2, Bi-Power, Bi-Power Switch, Constant Light Output, Mini Photocell, 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

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**WE
MAKE
LIGHT
WORK**