

**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 (when specified with a flat enclosure). The option of advanced Zhaga control allows Avenue to integrate into smart systems for remote monitoring and configuration, saving energy and reducing maintenance costs.

Avenue F2 is suitable for a wide range of urban lighting areas with its great looks, tailored light output and advanced control options.



Urban &  
residential  
streets



Building  
surrounds



Parks,  
promenades  
& pathways



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.



# 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  
BOWL**



## LIGHTING SIGNATURE

Across the product family, the lighting signature of Avenue is exceptional. Avenue's strong yet lean, V-shaped arms are key to establishing its distinctive aesthetic.

The classic Avenue F2 has a diffuser that provides soft, low-glare light when illuminated. It is now also available with a modern, flat enclosure and optic that produces just 0.4 % upward light to meet light pollution regulations that are fast becoming a global standard.



# AVENUE F2

## NEW OPTICAL PRECISION

With its new flat enclosure and optic, Avenue F2 minimises light pollution, with an upward light emission (ULOR) of just 0.4%. It is also available in a wide variety of colour temperature options, including warm tones to help conserve the nocturnal ecosystem.

## DARK SKY COMPLIANT LIGHT

Many regions around the world are now adopting strict 'Dark Skies' regulations for urban lighting to reduce sky glow caused by artificial light sources.

Thorn is proud to be collaborating with 'DarkSky', recognised as a global authority on light pollution, to independently certify many of our outdoor luminaires. The Avenue F2 (with flat enclosure) is DarkSky Approved.

## LIGHT THAT RESPECTS NATURE

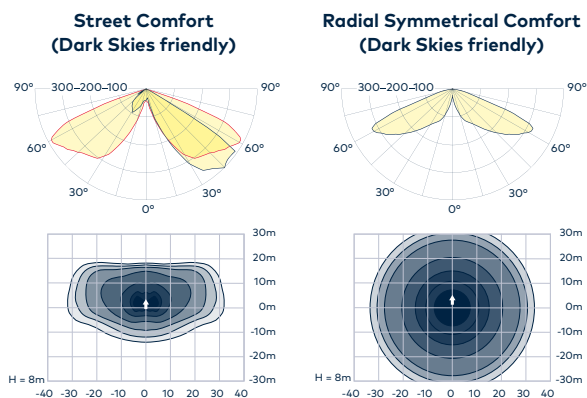
Cooler colour temperatures include more blue wavelength light, which can cause a more negative impact on animals and humans alike.

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 is active during hours of darkness.

## 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.



Dark Sky Approved  
design with just  
0.4% upward light

# AVENUE F2

A post-top lantern with a prismatic diffuser for reduced glare and a distinctive lighting appearance. An inner polycarbonate bowl protects the diffuser 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.

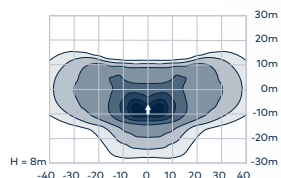
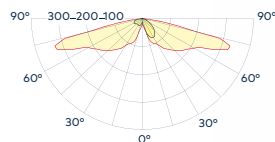
Zhaga socket option

### PRISMATIC DIFFUSER:

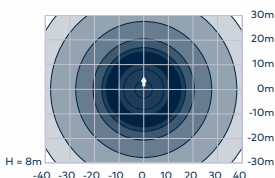
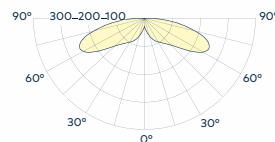
Clear or frosted UV stabilised PC

Polycarbonate bowl

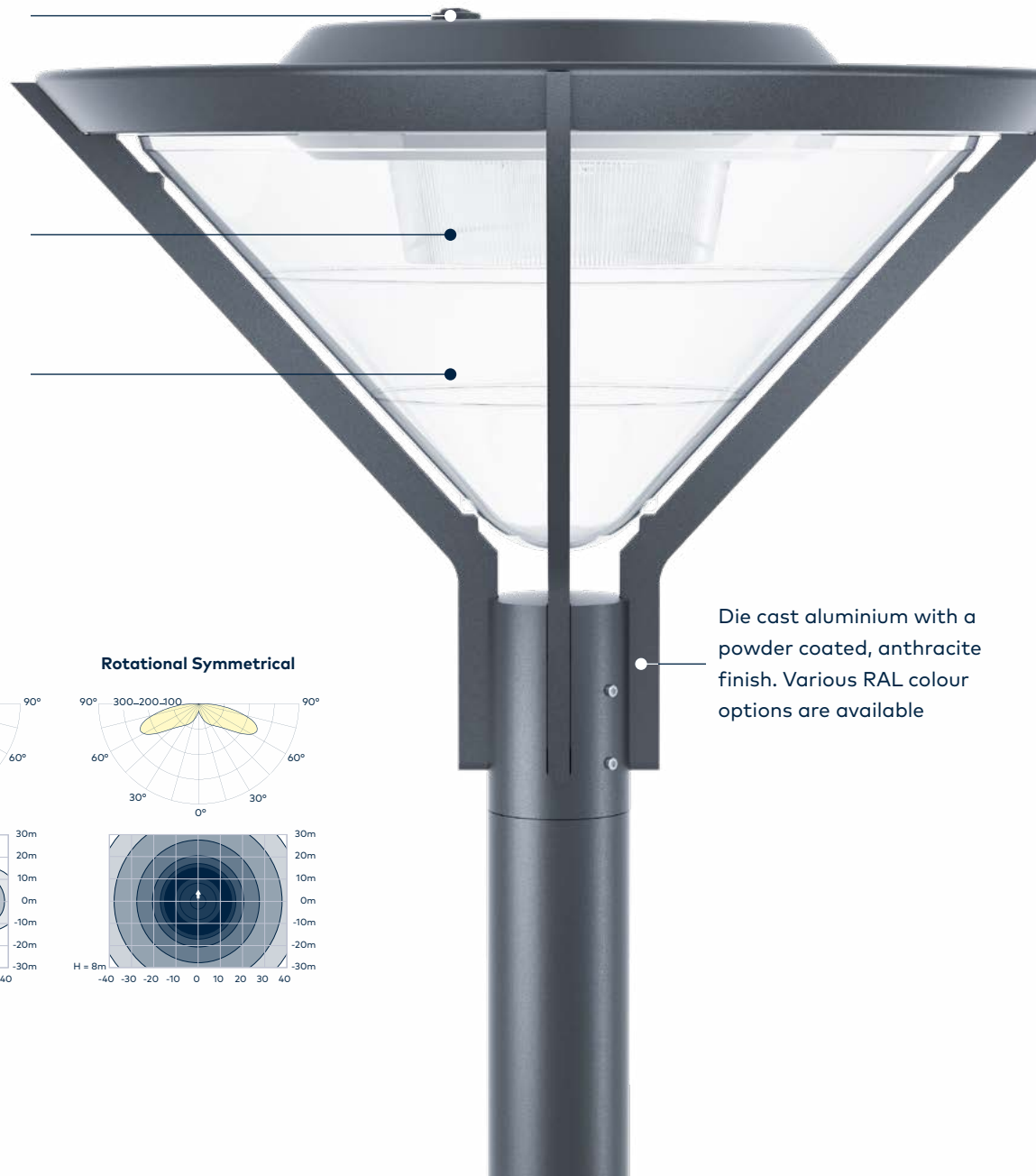
Wide Street



Rotational Symmetrical



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



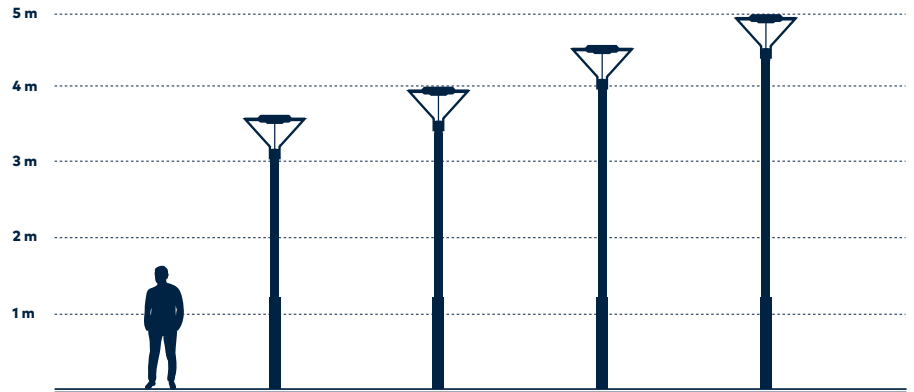




# INSTALLATION POSSIBILITIES

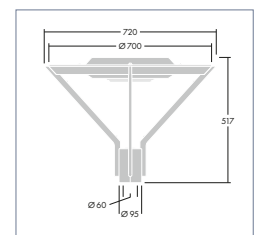
Avenue offers a number of possible mast configurations, styles, mountings and heights. Installers benefit from:

- Pre-wired for ease of installation
- Avenue F2: Connector or pre-wired 4, 5 or 6 meters 1mm<sup>2</sup> HO5VVF
- Fixing screws for perfect adjustment on the pole

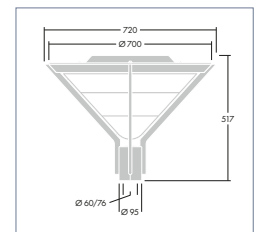


## CONFIGURATION GUIDE – AVENUE F2

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
											<b>RXXXX</b> RAL <b>ANT</b> Texturised anthracite <b>GY</b> Texturised light grey <b>BK</b> Texturised black
										<b>T60</b> <b>T76</b>	Mounting on Ø60 mm pole Mounting on Ø76 mm pole
									<b>CON</b> <b>N4M</b> <b>N5M</b> <b>N6M</b>	Pre-wired, with connector Pre-wired, 4 m length; 1 mm <sup>2</sup> HO5VVF Pre-wired, 5 m length; 1 mm <sup>2</sup> HO5VVF Pre-wired, 6 m length; 1 mm <sup>2</sup> HO5VVF	
								<b>CL1</b> <b>CL2</b>	Electrical class 1 Electrical class 2		
							- <b>BPXXXX</b> <b>BSXXXX</b>	optional Bi-Power Bi-Power switch			
							- <b>PM</b> <b>ZU</b>	optional Integral Mini photocell Zhaga socket up			
							- <b>CLO</b>	optional Constant Light Output			
				<b>CL</b> <b>FR</b>	Clear bowl Frosted diffuser						
			<b>RS</b> <b>RSC</b> <b>CST</b> <b>WST</b>	Rotational Symmetrical Radial Symmetrical Comfort (Dark Skies friendly) Street Comfort (Dark Skies friendly) Wide Street							
		<b>722</b> <b>727</b> <b>827</b> <b>730</b> <b>830</b> <b>740</b> <b>840</b>	CRI 70 2200 K CRI 70 2700 K CRI 80 2700 K CRI 70 3000 K CRI 80 3000 K CRI 70 4000 K CRI 80 4000 K								
	<b>18L35</b> <b>18L50</b> <b>18L70</b> <b>18L105</b>	18 LEDs 350 mA 18 LEDs 500 mA 18 LEDs 700 mA 18 LEDs 1050 mA									
<b>AVF</b> <b>AVF F</b>	Avenue F2 Avenue F2 Flat enclosure										



**AVENUE F2  
FLAT ENCLOSURE**



**AVENUE F2  
BOWL**

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](http://www.thornlighting.com/myproduct)

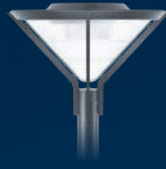


DISCOVER

www.thornlighting.com/AVFL

# AVENUE F2

\*DarkSky Approved seal relates to ≤ 3000 K only and clear enclosures.  
Luminaires must be mounted as photometered.



CLEAR BOWL /  
FROSTED DIFFUSER



CLEAR FLAT ENCLOSURE

	18 LEDs	
	2200 K / 2700 K / 3000 K / 4000 K	2200 K / 2700 K / 3000 K
	up to 5450 lm	up to 6900 lm
	up to 144 lm/W	up to 130 lm/W
<b>CRI</b>	70 / 80	
<b>ULOR</b>	< 3 %	0.40 %
	IP66	
	- 20 to 25 °C	
	IK08	
	100 000 h B10L90 @ 25 °C	
	Rotational Symmetrical / Wide Street	Radial Symmetrical Comfort / Street Comfort
	T60 / T76	T60
	Texturised anthracite, light grey, black and 60 additional RAL colours	Texturised anthracite, black
	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





# GET IN TOUCH

[www.thornlighting.com/AVFL](http://www.thornlighting.com/AVFL) [www.thornlighting.com/contacts](http://www.thornlighting.com/contacts)



**5 YEAR  
GUARANTEE**

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](http://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.  
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**WE  
MAKE  
LIGHT  
WORK**