

**THORN**  
LIGHTING



# AREAFLOOD PRO 2 TUNNEL

Versatile lighting for complex environments



**WE  
MAKE  
LIGHT  
WORK**

# TUNNEL-READY PERFORMANCE, FLEXIBLE BY DESIGN

Tunnels present a challenging environment for luminaires. In settings where light is critical to safety – reliability, durability and efficiency are key. Areaflood Pro 2 Tunnel provides simple, cost-effective lighting for tunnels and underpasses, including urban, suburban, sub-water and mountain, with proven endurance, and superb thermal and optical performance.

Areaflood Pro 2 Tunnel offers excellent versatility, including lighting for threshold, transition, interior and exit zones, with a range of dedicated tunnel optics that deliver excellent efficiency as well as visual comfort.

Designed for ease of maintenance and installation, Areaflood Pro 2 Tunnel is lightweight and compact, with an innovative mounting bracket. Integral DALI drivers with the option of plug and play connection make installation quick and straightforward.



# END-TO-END TUNNEL LIGHTING



## LIGHTING COMFORT

Areaflood Pro 2 Tunnel's range of precise lighting distributions deliver uniform light with high comfort. Typically achieving a low threshold increment (T.I. < 6%), the luminaire improves safety while ensuring optimum visual performance for tunnel users.

## LONG-LASTING PERFORMANCE

Areaflood Pro 2 Tunnel delivers excellent thermal management with a design that avoids the need for cooling fins and a body canopy that minimises the collection and retention of dust and dirt particles. This results in a long-life LED engine, endurance tested up to 50 °C ambient operating temperature. Moreover, it uses a careful combination of materials that meet the highest levels of corrosion protection (C5), to withstand the aggressive environment of tunnels.

Independent testing confirms resistance to sulphur dioxide contamination and the ability to withstand 3G vibrations – reinforcing the ability of Areaflood Pro 2 Tunnel to resist the harshest of challenges.



## COMPREHENSIVE RANGE

A variety of optics are available to suit a range of tunnel configurations. This versatile solution includes three luminaire sizes and a range of LED configurations to suit the required lighting zones.

## EASE OF MAINTENANCE AND INSTALLATION

Areaflood Pro 2 Tunnel is designed to keep things simple where it matters most. Its compact, lightweight design, innovative mounting bracket and optional toolless connectors make installation quick and easy.

The bespoke tunnel mounting bracket suits most cable ladders and cable trays, while other bracket options can facilitate mounting directly to walls or ceilings.

For even simpler installation, select the plug and play connection with low smoke and zero-halogen pre-wiring.

The mounting bracket is supplied as standard to suit installation on galvanized steel cable ladders and cable trays. **For mounting on stainless steel cable ladders and cable trays, consult Thorn for a tailored solution with suitable materials.**

# TECHNICAL DATA

## MATERIALS AND FINISH

- Body size S, M, L – die cast aluminium EN 44300
- Enclosure: toughened glass (4 mm)
- External screws: A2 with anti-seizing treatment
- Glass holder: 316L stainless steel with anti-seizing treatment
- Finish: powder-coated light grey 150 sanded textured (close to RAL9006)

## INSTALLATION AND MOUNTING

- Supplied with innovative bracket for mounting on cable ladders and cable trays. Bracket allows for the tilting of luminaire. Direct wall and ceiling mounting available as an alternative option.

## CONTROLS

- DALI control

## ACCESSORIES

- Cable junction cables for luminaire loops



Up to  
175 lm/W



Up to  
100 000  
hours  
L98 @ 25 °C



4000 K  
3000 K  
(on selected  
versions)



70



From 26 W  
to 337 W



IK08



IP66



Symmetric  
Asymmetric  
Counter  
Beam



24 LEDs  
(8 klm at 25 °C)  
to  
144 LEDs  
(52 klm at 25 °C)



Up to 10 kV  
single pulse  
as standard



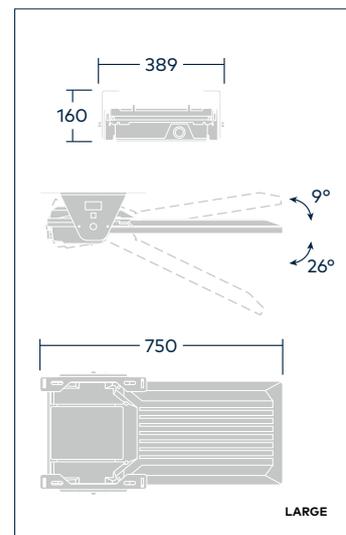
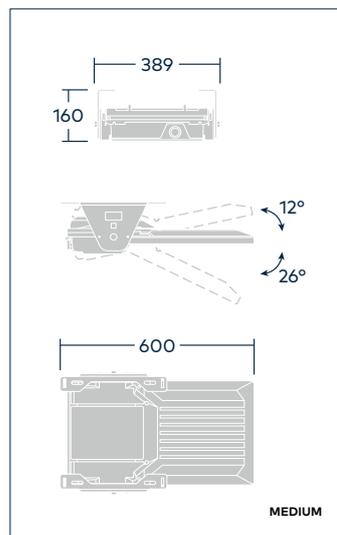
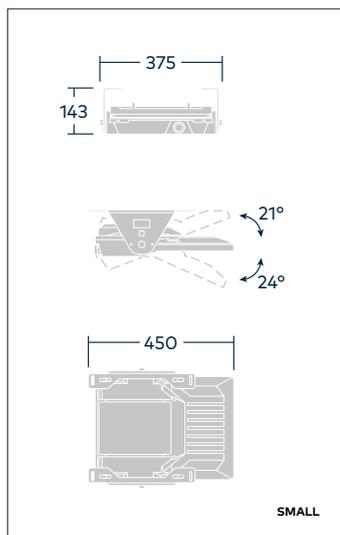
-30 °C to  
50 °C (variant  
dependent)



Highest  
corrosion  
resistance  
class (C5)

# CONFIGURATION GUIDE

AFP2	M	72	35	730	A4-A	HFX	CL1	WS2	50C
Range	Size	LED	mA	CCT/CRI	Optic	Controls	Safety	Wiring	Ambient temperature
									25 °C
									50 °C
								<b>WZ0,3</b> <b>WZ1</b> <b>WZ2</b> <b>CW0,3</b> <b>CW1</b> <b>CW2</b>	Prewired LSOH 0,3 m Prewired LSOH 1 m Prewired LSOH 2 m with IP68 connector with IP68 connector with IP68 connector
							<b>CL1</b> <b>CL2</b>	Electrical class I Electrical class II	
						<b>HFX</b>	DALI control		
					<b>ASC</b>	Axial Street Comfort			
					<b>AESC</b>	Axial Extra Street Comfort			
					<b>CB2</b>	Counter Beam Version 2			
					<b>CB2-LV</b>	Counter Beam Version 2 with White Louver			
					<b>NR-A</b>	Narrow Road – Asymmetric			
					<b>RC-A</b>	Road Comfort – Asymmetric			
					<b>ENR-A</b>	Extra Narrow Road – Asymmetric			
					<b>WR-A</b>	Wide Road – Asymmetric			
					<b>WT2-A</b>	Road Wet – Asymmetric			
					<b>SC-A</b>	Street Comfort – Asymmetric			
					<b>RWT-A</b>	Road Wet – Asymmetric			
					<b>EW2-A</b>	Extra Wide Street – Asymmetric			
					<b>A4-A</b>	Asymmetric 40°			
					<b>A5-A</b>	Asymmetric 50°			
					<b>A6-A</b>	Asymmetric 60°			
				<b>730</b>	3000 K CRI70				
				<b>740</b>	4000 K CRI70				
			<b>350</b>	350mA					
			<b>500</b>	500 mA					
			<b>700</b>	700 mA					
		<b>24</b>	24 LEDs						
		<b>36</b>	36 LEDs						
		<b>48</b>	48 LEDs						
		<b>60</b>	60 LEDs						
		<b>72</b>	72 LEDs						
		<b>96</b>	96 LEDs						
		<b>108</b>	108 LEDs						
		<b>120</b>	120 LEDs						
		<b>144</b>	144 LEDs						
	<b>S</b>	Small							
	<b>M</b>	Medium							
	<b>L</b>	Large							
<b>AFP2</b>	Areaflood Pro 2 Tunnel								



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

# GET IN TOUCH

[www.thornlighting.com/contact](http://www.thornlighting.com/contact)



**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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