



An icon,
reimagined

FACET ZERO



Meet the new, improved Facet Zero – a compact, high-performance, and vandal-resistant amenity luminaire, ideal for a wide variety of external applications.

The original Facet bulkhead has been completely redesigned while still retaining its iconic shape and superb photometric performance. Facet Zero is 50% smaller, but it remains mighty, featuring powerful new optics and the latest LEDs. Improved photometric performance provides wider luminaire spacings and higher light uniformity.

Upward light has been reduced to zero, and 2700K versions are available as standard. When combined with Lumi-LinQ lighting controls, Facet Zero is perfect for lighting spaces with minimum impact on local ecosystems.

Facet Zero has been made with the principles of circularity and sustainability in mind. Reduction in material use, maintainability and improved energy efficacy are key considerations.



Now smaller,
smarter, **superior**

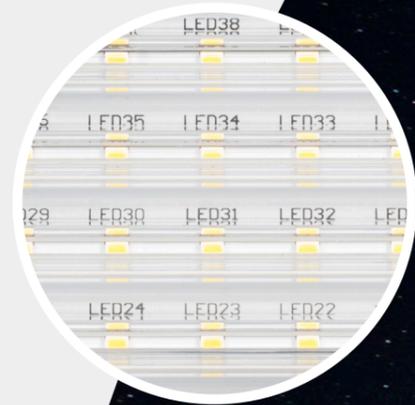
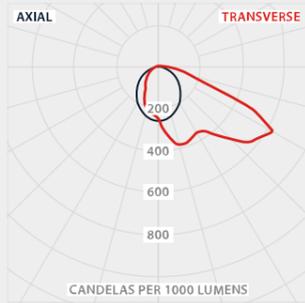


State-of-the-art optics for ultimate performance

Ideal for general open-area lighting, the Area optic utilises linear prisms to deliver efficient, uniform forward throw illumination.

Example applications

- Car parks
- Concourse areas
- Security lighting
- Walkways
- Building perimeter



Area distribution

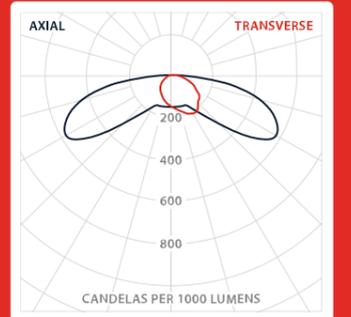


Wide distribution

Wide distribution versions use a dedicated optic to provide a lateral light distribution, ideal for illuminating walkways and pathways. By reducing the forward throw of light and redirecting it sideways, it is possible to achieve impressive luminaire spacings while still maintaining excellent light uniformity.

Example applications

- Pathways
- Security lighting
- Building perimeter
- Walkways



Built tough, designed smart



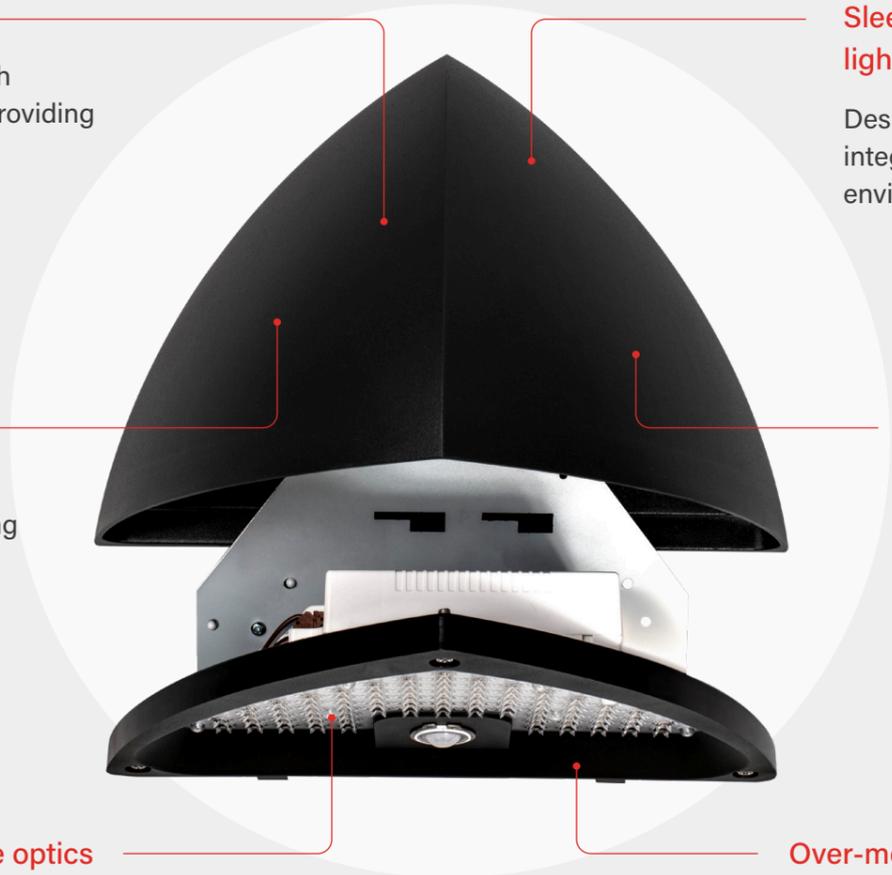
IP66 rated
Engineered for tough environments and providing reliable resilience.



IK10 rated
Built to withstand severe impacts, ensuring lasting durability.



High-performance optics
Choose between wide and area distributions to perfectly match your lighting needs.



Sleek aesthetic lighting
Designed to seamlessly integrate into modern environments.



Robust construction
Strong high-pressure die-cast LM6 aluminium body for structural integrity.



Over-moulding technology
One-piece lens and cover with over-moulded frame for simplicity and efficiency.



Driving efficiency at every level

Facet Zero has been designed to achieve high levels of efficiency and sustainability.

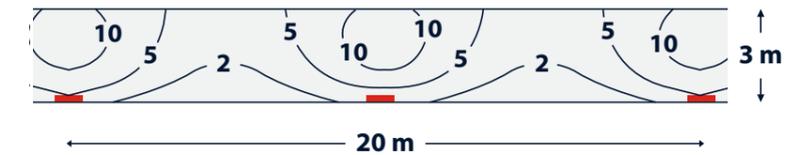
The new Facet Zero is both small and mighty, with luminaire efficacies of up to 162.8 LL/CW, reducing the installed load and saving operational cost and carbon.

The high-performance optics also mean that fewer luminaires are required when compared to conventional fittings. This reduction helps reduce energy costs and carbon emissions even further.

PATHWAY APPLICATION EXAMPLE

Conventional bulkhead

11 W 4000 K / 3 m mounting height / 10 m spacing
Average illuminance = 6 lux / Uniformity = 0.22



Facet Zero

Wide distribution
10 W 4000 K / 3 m mounting height / 20 m spacing
Average illuminance = 10 lux / Uniformity = 0.28



Smaller footprint, bigger impact

Maximising material utilisation is crucial for improving sustainability and achieving circular economy goals, including eliminating waste wherever possible. TRT Lighting considers circularity in every stage of its process, from luminaire design to manufacturing.

In conjunction with Facet Zero's improved energy efficiency, substantial reductions in manufacturing material quantities have led to a 2.8 TM66 certified circularity score from CIBSE.

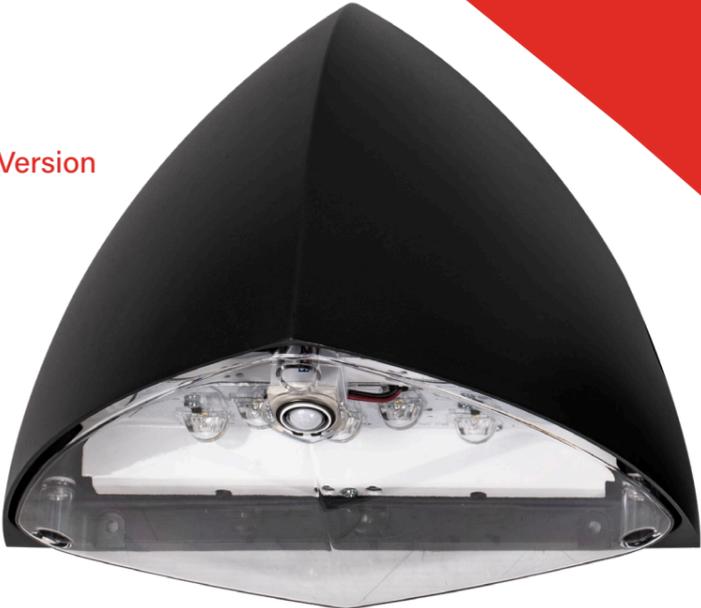
The new luminaire uses less than half the metalwork of the previous version, with a 66% reduction in plastic.

In total, the new Facet Zero has 48% less mass than the old version. It is easier to ship, handle, and install, and it is a huge step forward in reducing embodied carbon.

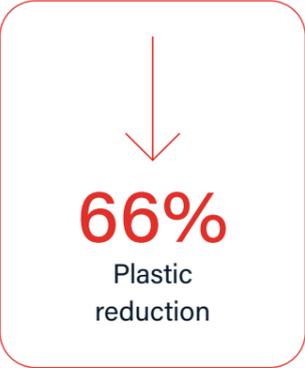
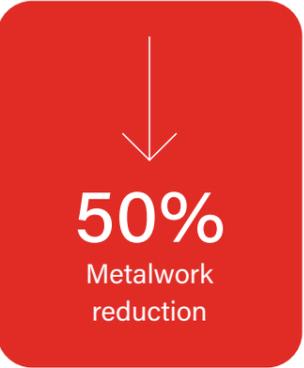


2.8 TM66 certified circularity score

Previous Version



New Version



A brighter future, a darker sky

TRT is committed to reducing obtrusive light and light trespass, protecting the night sky from light pollution.

Light pollution is the artificial increase in outdoor light levels caused by human activities. Research shows that poorly selected, planned, or installed Artificial Light At Night (ALAN) can disrupt wildlife, impact human health, waste money and energy, contribute to climate change, and block our view of the universe.

Faceting is the art of cutting natural gems to maximise light output, it seems fitting that the same applies to the stars, enhancing their luminance too.

This bulkhead produces zero upward light. By selecting these models, you are helping to reduce the effect of ALAN.

When used with the wireless Lumi-LinQ system to control luminaire output levels with presence detection, all Facet Zero models provide minimal impact on the environment they are illuminating.



No upward light



Lumi-LinQ controls



Less impact on environment

Find out more at
www.trtlighting.co.uk/product/lumi-linq





Take control of your lighting

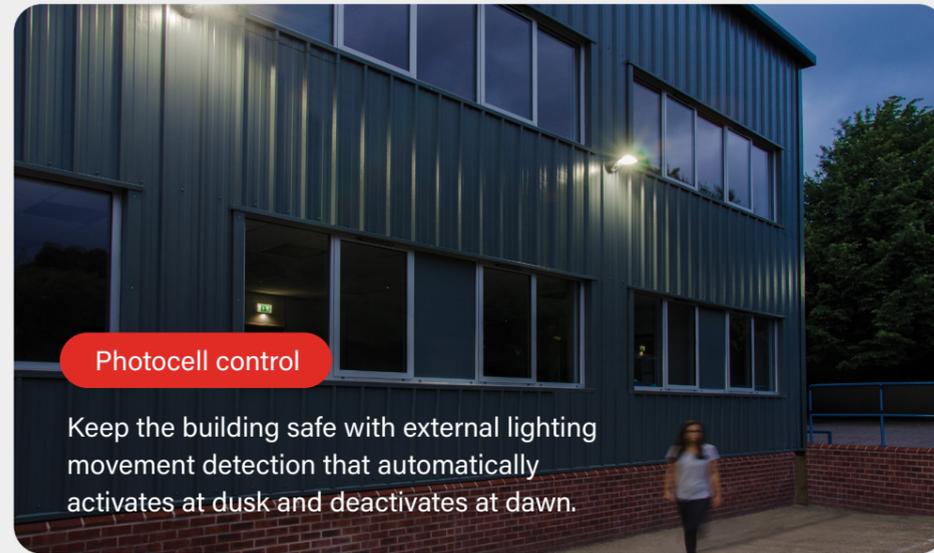
Lumi-LinQ is a revolutionary wireless lighting management system that maximises energy savings and automates emergency lighting testing and record keeping.

It provides integrated, intelligent lighting management that maximises energy savings for external applications through movement detection and daylight switching, with timed override via the Lumi-LinQ website.

Users can set luminaires to dim to a lower level or turn off completely when no presence detected, reducing the environmental impact of lighting.

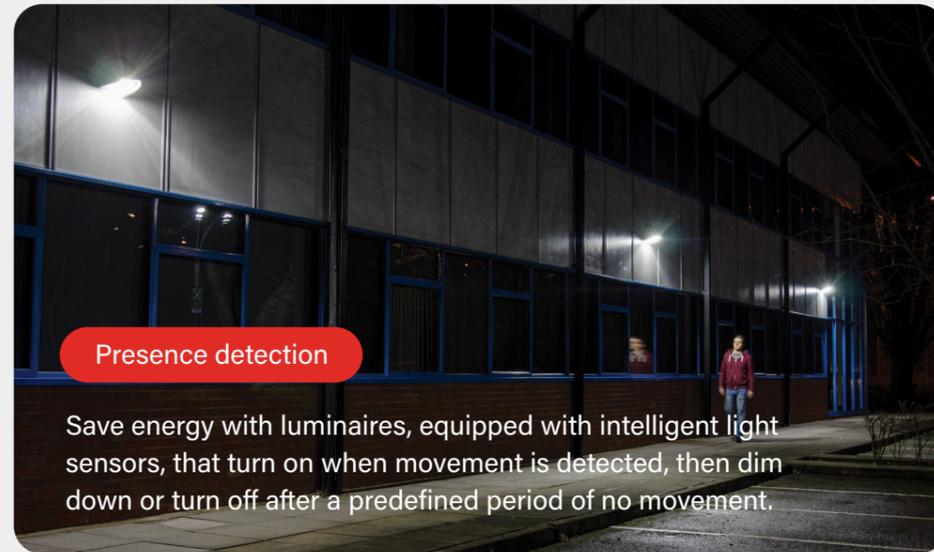


Visit the **Lumi-LinQ** webpage to find out more



Photocell control

Keep the building safe with external lighting movement detection that automatically activates at dusk and deactivates at dawn.



Presence detection

Save energy with luminaires, equipped with intelligent light sensors, that turn on when movement is detected, then dim down or turn off after a predefined period of no movement.



Luminaire status monitoring

One convenient, central location to view the health status of the whole lighting installation, groups of luminaires or even an individual component within a luminaire.

Energy usage monitoring

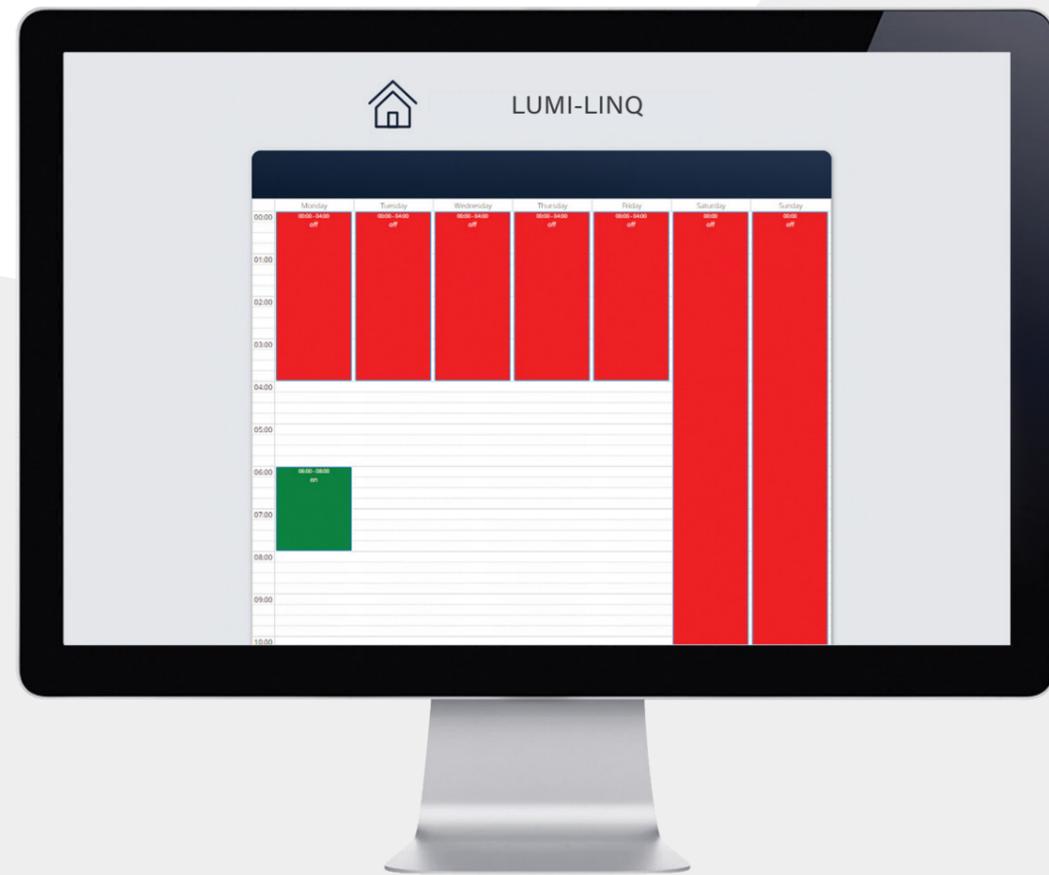
An interactive dashboard makes keeping track of your energy usage easy. Data is available for the entire installation, each area and each luminaire.



Device management

Eliminating the need for programming locally, this powerful tool allows building managers to change luminaire parameters on the Lumi-LinQ website, massively simplifying customisation of the system.



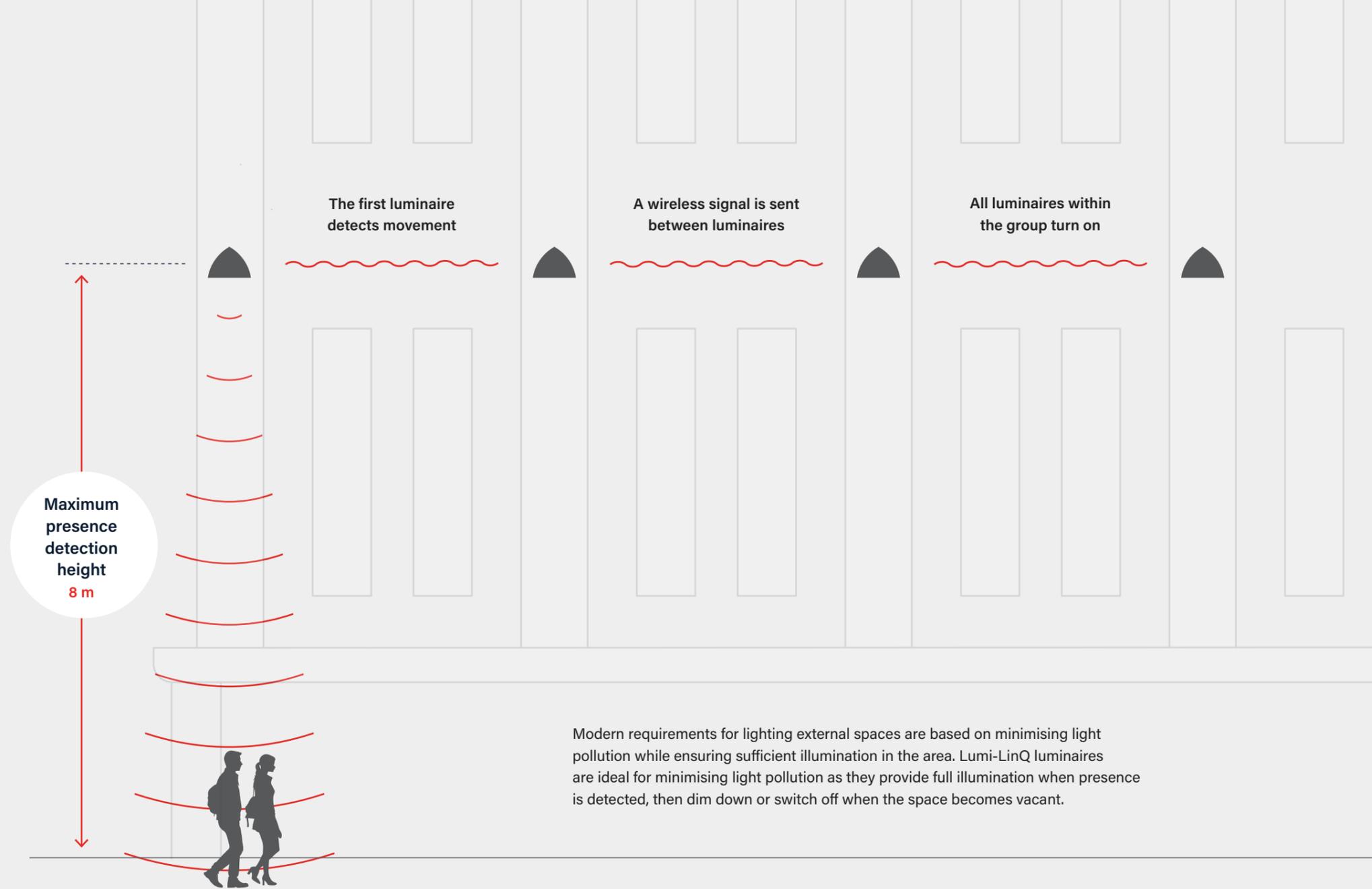


Luminaires with integral Lumi-LinQ sensor and wireless Motionline

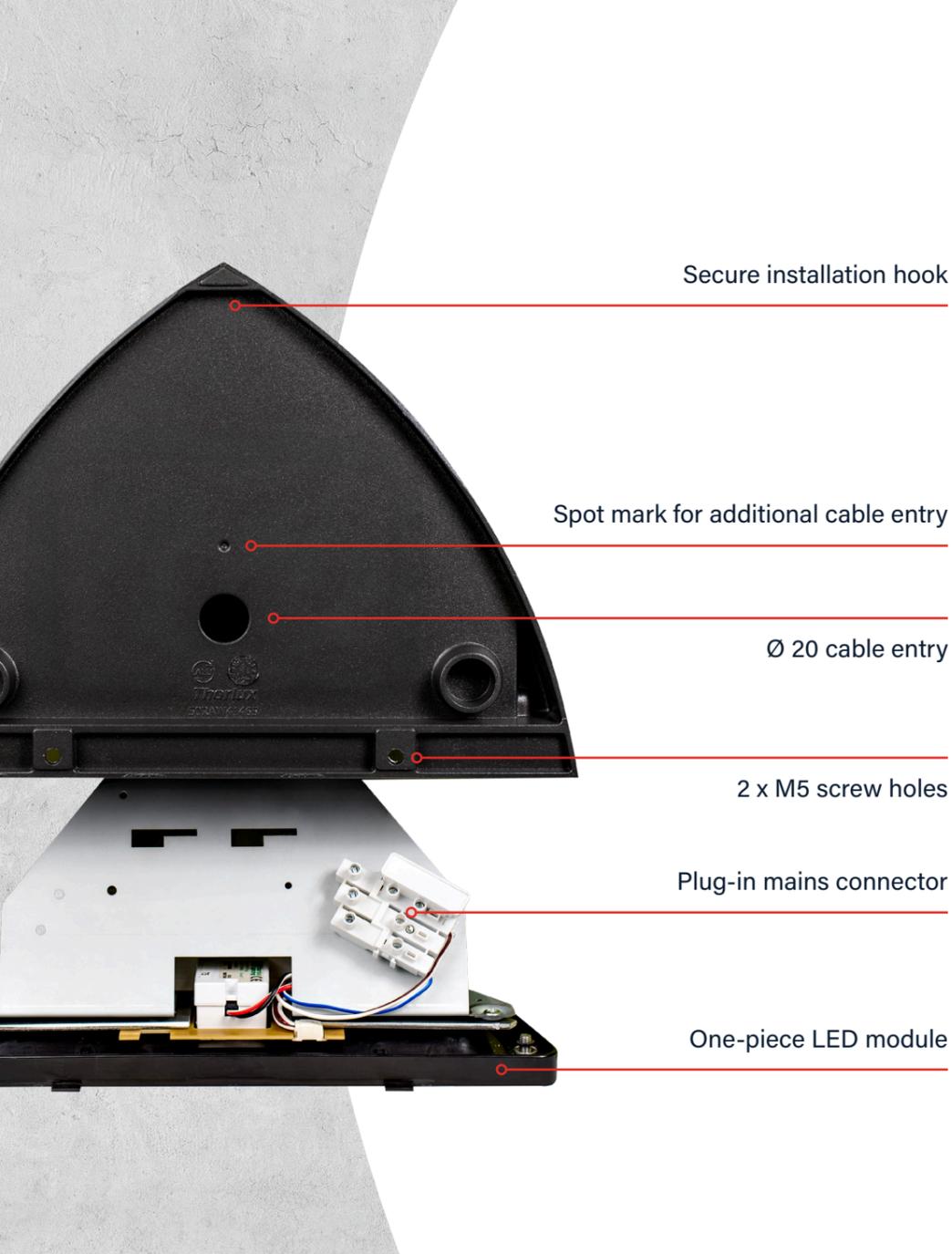
Lumi-LinQ luminaires incorporate a discrete integral sensor which monitors ambient light and detects presence, only illuminating the area when occupied and turning off the lighting during daylight hours.

Lumi-LinQ wireless technology eliminates the need for control cabling between luminaires, making Lumi-LinQ a cost-effective choice for retrofit and new build installations.

Lighting can account for a high percentage of energy consumed outside a building, especially if using uncontrolled luminaires.



Modern requirements for lighting external spaces are based on minimising light pollution while ensuring sufficient illumination in the area. Lumi-LinQ luminaires are ideal for minimising light pollution as they provide full illumination when presence is detected, then dim down or switch off when the space becomes vacant.



Compact design installed **in minutes**

With an improved design and fewer parts, Facet Zero couldn't be simpler to install.

Facet Zero is supplied with a new one-piece LED module designed to simplify installation and maintenance. The module is a pre-assembled unit which includes the LED PCB, control gear, and polycarbonate cover and lens.

During installation, the cast body is mounted using the installation bracket which speeds up the process and helps align the luminaire correctly. The LED module uses a plug-in mains connector for easy and quick electrical connection.

For applications where conduit entry is required, a separate conduit entry back box can be ordered which includes terminals for easy wiring.



Creating safer spaces in **sensitive environments**

Facet Zero is also suitable for applications where ligature-resistant fittings are required, such as mental health spaces.

Applying a protective layer of anti-pick mastic around its edge after installation will make Facet Zero ligature resistant.

Please note: TRT Lighting does not supply mastic seal. Sealants must be professionally applied.



Ordering

- IP66
- Up to 162.8 LL/CW
- Lumi-LinQ
- LUXGUARD
- TM66 circularity score 2.8

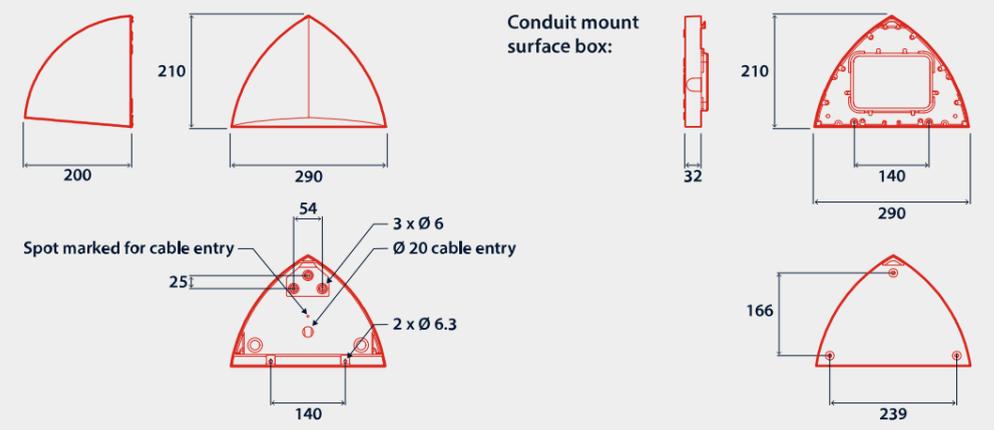
High-performance, robust luminaires designed to minimise light pollution, disruption to ecosystems, and energy consumption.

Stylish and sleek IP66 and IK10 wall-mounted luminaires, comprising a high-pressure die-cast aluminium body and innovative one-piece polycarbonate lens and cover. Zero upward light and high efficacy make this an environmentally friendly and energy-efficient luminaire. Fast and simple to install.

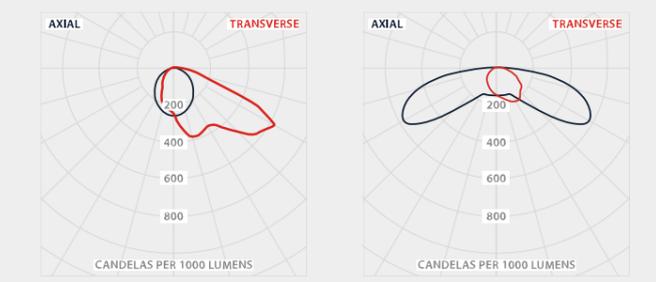
Applications: Uniform pathway lighting for schools, hospitals, retail and other commercial environments. Forward throw optics are ideal for general area lighting.



Dimensions



Photometric guide



Area

2700K
Luminaire Lumen Output:
20 W = 2,860 lm
4000K
Luminaire Lumen Output:
20 W = 3,255 lm

Wide

2700K
Luminaire Lumen Output:
10 W = 1,300 lm
4000K
Luminaire Lumen Output:
10 W = 1,470 lm

Ordering table

● Required ● Optional

Product Code	REQUIRED				OPTIONAL
	Power (W)	Optical Distribution	LED CCT	Body Colour	Controls
FAZ (Facet Zero)	10 (Wide Distribution Only)	W Wide	27K 2700K	DG Dark Grey	EM Emergency
	20 (Area Distribution Only)	A Area	4K 4000K		PC Photocell
					LL Lumi-LinQ
					LLW Lumi-LinQ Wireless Emergency





TRT Lighting Ltd (Thorlux Road and Tunnel Lighting) is one of ten companies within the FW Thorpe Plc group, and evolved from parent company Thorlux Lighting. Building on more than 85 years of experience, TRT designs, manufactures and supplies energy efficient, environmentally friendly performance lighting products for the road, tunnel and exterior lighting markets

LED lighting solutions bring another dimension to how roads, tunnels and general exterior spaces are illuminated. At TRT, our ability to understand and adapt to our customers' needs ensures that we develop products that are technically and mechanically sound and provide energy efficient, long lasting lighting solutions with excellent returns on investment.

As well as being subjected to our own in house rigorous testing facilities, all of our products are externally third party tested and verified against all relevant global and regional standards and requirements.

We are proud to manufacture our products in Britain.

TRT Lighting Ltd
Heming Point
Claybrook Drive
Washford Ind Est
Redditch
Worcestershire
B98 0FH
England

T +44 (0)1527 521 162
E info@trtlighting.co.uk
W www.trtlighting.co.uk

The information given in this catalogue is typical and must not be interpreted as a guarantee of individual product performance and/or characteristics. We reserve the right to alter specifications and designs without prior notice.

