

THORN
LIGHTING



GRAFFITI

High-performance spotlights with optical precision,
glare control and integrated driver

HIGH PERFORMANCE SPOTLIGHTS

**WITH OPTICAL PRECISION, GLARE CONTROL,
DESIGNED AND MANUFACTURED IN GERMANY**

Graffiti is an attractive, indoor luminaire range that has been designed to perform superbly in challenging retail applications, as well as in many other areas that spotlights are installed. Its 95mm diameter body (available in a black or white finish) with integrated driver gives a sleek, minimalistic appearance. Graffiti can be mounted on either a 3-phase track or to Thorn's own advanced and efficient Contus trunking system.

Installation and repositioning (common in retail) of the spotlights is both quick and adaptable, ensuring items such as merchandise and signage are always lit optimally.

Graffiti is available in two lumen packages (2800 lm and 3600 lm), two colour temperatures (3000 K and 4000 K) and three beam angles (Spot, Flood, and Wide Flood), all with high colour rendering as standard (CRI >90) to make objects look their best.

Low-glare Graffiti spotlights will enhance the look of items on display while maintaining comfort for customers and the workforce alike. Optional honeycomb louvre and protection glass accessories provide additional glare reduction and safeguard the reflector from fingerprints. A long 50,000-hour lifetime (L70) and an efficient LED engine make these luminaires ideal for lighting refurbishment projects as well as new buildings.

Manufactured in Germany on an automated robotic assembly line, production speed and quality is assured while maintaining a low carbon footprint. The recycled aluminium spotlight body minimises the product's environmental footprint and promotes future recyclability. Graffiti was developed with circular design principals in mind, with the ability to replace not only the luminaire's driver but also the LED chip-on-board, when returned to Thorn for upgrade or maintenance.



Retail



Office



Education



Hotels



Hospitality



Entertainment



ACCENT LIGHTING SOLUTION

Graffiti is a simplified range of spotlights with essential beam angles and lumen packages, delivered in a single size format, aimed primarily at the grocery market segment. Use Graffiti to accentuate fresh fruit and vegetables, beers, wines and spirits, homeware, electronics and clothes.



Graffiti for 3-Phase track



Graffiti with adapter for Thorn Contus trunking

FLEXIBLE MOUNTING

Choose a Graffiti spotlight with a choice of 3-phase track adapter or Thorn Contus trunking system compatibility for increased flexibility.

The industry standard Nordic Adapter (GA69) enables quick and easy installation in the ceiling and standard on/off functionality, while the 250 mm Contus Trunking Adapter allows for secure fixing and quick installation, with double fixing and standard on/off functionality.



MINIMALISTIC DESIGN, SMALL TRACK FOOTPRINT

Graffiti features an integrated driver and electronics located in the main housing of the luminaire. This provides two great benefits:

- A sleek and minimalistic spotlight design with no visible track box or in-track adapter, leading to an enhanced aesthetic
- The ability to install more Graffiti spotlights on a fixed length of track compared to spotlights where the driver is located in the in-track adapter, resulting in a much wider footprint

A SPOTLIGHT ON COLOUR

Graffiti features an efficient COB LED, certified to have a high colour rendering index of CRI>90. This results in accurate and attractive colours of display items, whether that's fresh produce or textiles, for example.

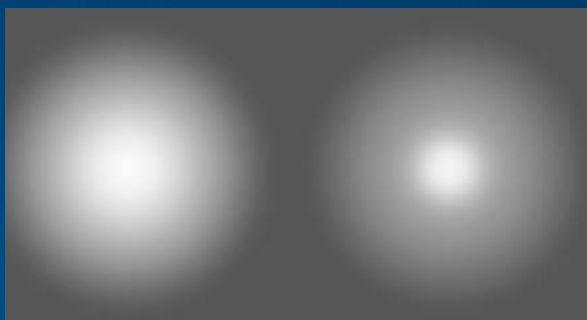


PRECISE CONTROLLED LIGHT

Graffiti was designed to perform better than many other spotlights with noticeably less glare.

As retail staff often work long hours, it's important that the spotlights are not too dazzling - for their comfort and that of browsing customers.

Graffiti's front black ring, deep recessed LED chip and aluminium sputtered polycarbonate reflector all work collectively to deliver excellent optical precision and minimise glare which can help reduce eye fatigue.



Graffiti with Spot beam vs Competitor spotlight



Graffiti spotlights feature superior glare control

OPTIMISED LIGHT DISTRIBUTIONS

Graffiti can be configured with one of three light beam angles at the point of manufacture, meaning the spotlights can suit several different accent lighting requirements.

- 16° Spot - Suitable for pinpointing items like fresh food in a retail display
- 26° Flood - Suitable for highlighting larger displays, such as end-of-aisle special promotional offers in a food or DIY store
- 52° Wide Flood - Suitable for lighting wider areas like ceiling suspended signage and food counters in a retail store, hotel reception desks, or a lobby

Regardless of the beam angle selected, Graffiti has been engineered to always provide a clean and precise beam, with high homogeneity and a smooth, soft lighting fade-out. This compares very well with competitor spotlights that often have a light output with visible artefacts such as hot-spots and rings, as well as the consequences of spill light.

FILTERED LIGHT OUTPUT

An optional honeycomb louvre can be attached to the black ring at the front of Graffiti spotlights. The louvre provides additional glare reduction by filtering the directional light from being easily viewed at a side angle. This can be useful in an environment where multiple spotlights are installed, such as in a retail store, an office reception area or a hotel lobby. Without the louvre, many spotlights installed close together may be overwhelming to a customer or employee.



GLASS PROTECTION COVER

When retail displays change size and position, as they often do, spotlights will be repositioned by store employees. This can lead to accidental damage to the internal reflector, for example, caused by fingerprints. To safeguard the reflector, an optional protective high-quality glass cover can be fitted behind the front ring, ensuring the reflector is kept pristine and the optimal light output is preserved.



GERMAN ENGINEERING AND ROBOTIC ASSEMBLY

Graffiti is manufactured on Thorn's highly precise and automated robotic production lines. This includes the painting of the cylindrical aluminium casing to ensure a flawless finish every time and the precision assembly of the integrated electronics, driver and reflector housing. Benefits include high flexibility, short lead times, consistent quality and a low CO₂ impact for manufacture.

DURABLE REFURBISHMENT CHOICE

Considerable energy and maintenance reductions can be achieved by moving from old and inefficient halogen spotlights to state-of-the-art Graffiti LED spotlights.

As well as an estimated 85 % reduction in power consumption, maintenance costs will also be reduced thanks to the durable 50,000 hour lifetime (L70) of Graffiti, with no lamp to frequently change. This makes LED spotlights ideal for busy retail stores where access to the lighting is limited.

Room temperature and the associated air conditioning costs can also be better controlled as halogen lamps give off an estimated 90 % of the energy used as heat, whereas LED spotlights remain cool-to-touch with the majority of energy converted into light rather than heat.



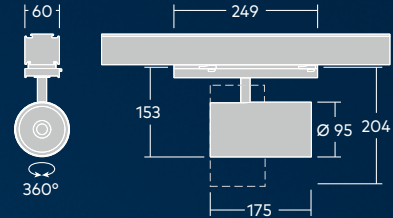
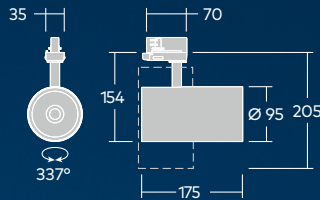
CIRCULAR DESIGN PRINCIPALS

Graffiti has been designed with sustainability and recyclability in mind. The aluminium body is cast from recycled aluminium, minimising the product's environmental footprint and promoting future recyclability. The luminaire's driver and the LED light engine can both be replaced when returned to Thorn for upgrade or maintenance.



DISCOVER

GRAFFITI



GRAFFITI FOR 3-PHASE TRACK

GRAFFITI WITH CONTUS ADAPTER

	2800 lm, 3600 lm
	up to 130 lm/W
	3000 K, 4000 K
CRI	>90
	IP20
	PC sputtered reflector
	Spot (16°), Flood (26°), Wide Flood (52°)
	50 000 h L70 @25° C
	Quick and easy to install
	95 mm
	Honeycomb louvre, Protection glass
	White, Black
	MacAdam 3



¹ 3-Phase track version
² Contus version



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

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.
 12/2023 (INT)

**WE
MAKE
LIGHT
WORK**