

THORN

LIGHTING



LEDFIT

A simple, reliable and efficient LED floodlight

Low lifetime-cost LED floodlight

Reduce energy consumption,
reduce maintenance.



- LEDFit is a simple, reliable and efficient alternative to general purpose HID floodlights.
- Efficient LEDs (100 Llm/W) combined with a unique, true asymmetric optic can reduce energy consumption by more than 65% compared to a conventional solution.
- Ultra lightweight, compact design for ease of installation and minimal aesthetic impact.
- IP66 and IK07 rated for durability.



Building surrounds

Lighting for building surrounds is important for safety as well as providing all-important presence. With efficient LEDs, LEDFit offers an ideal solution and can reduce overall costs by more than 65% when replacing conventional installations.

Retail façade lighting

For small single shops or shops inside a shopping centre the most important factors are the ability to correctly and attractively illuminate the façade while ensuring the luminaire is as hidden as possible. LEDFit's very slim design combined with truly asymmetric optics and a reversible stirrup ensure good flexibility with both downlighting and uplighting possibilities.

Low area lighting

Car parks and other areas where low mounting height poles are installed require slim but powerful luminaires which place light only where needed. With unique, high performance optics designed in conjunction with Tridonic for efficiency and comfort, LEDFit offers excellent light control (0cd at 90°) with no need to tilt and no compromise on product size or other performance variables.



NEW!

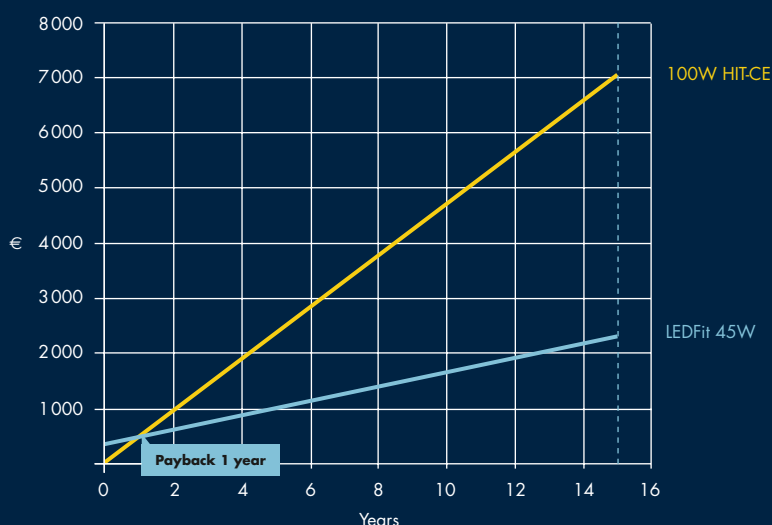
Market leading size/weight/output ratio for high performance true asymmetric luminaire with low aesthetic impact

Energy saving opportunities

LEDFit's efficient LEDs combined with a long 50 000-hour lifetime offers substantial lifetime savings and a payback period of just one year.

Reduce energy consumption by more than 65% with LEDFit.

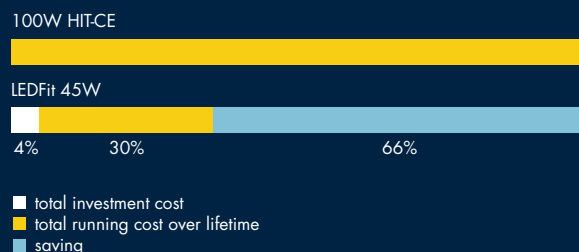
Energy Efficiency – Course of overall costs of solution over lifetime:



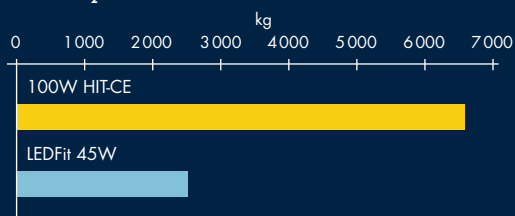
Scheme details:

Building with Surrounds: 300m²
 Energy costs: 0.12 €/kWh
 Illuminance: 50lx
 Calculation period: 15 years
 Changing lamps every 2 years for the traditional/non-LED solution
 LED: Cleaning the luminaires every 3 years
 Operating hours: 4380 h/a
 All calculations are based on an annual increase of energy and operating costs of 5%.

Investment costs vs. running costs of solution (absolute)



Total CO₂ emissions over a lifetime



General lighting requirements for areas at outdoor work places (EN 12464-2)

Type of Area, task or activity	E _m lx	U _o -	R _{gl} -	R _a -
Traffic areas for slowly moving vehicles (max. 10 km/h), e.g. bicycles, trucks and excavators	10	0.40	50	20
Regular vehicle traffic (max. 40 km/h)	20	0.40	45	20
Pedestrian passages, vehicle turning, loading and unloading points	50	0.40	50	20

E_m - Illuminance
 U_o - Uniformity
 R_{gl} - Glare Rating
 R_a - Colour Rendering

LEDFit optics

Unique, high performance optics designed for efficiency and comfort.

True asymmetric optic

True asymmetric optic provides even light distribution and excellent light control (0cd at 90°) with no need to tilt. Benefits include no glare or waste light, reduced light pollution, as well as dark spot reduction.

High lumen output

With high lumen output LEDFit reduces the number of luminaires required to fulfil lighting requirements and in turn reduces lifetime costs.

Designed in conjunction with Tridonic

Providing a quality of light unlike any other technology on the market, LEDFit was designed in conjunction with Tridonic, part of the Zumtobel Group and a global pioneer of lighting components. By integrating the AC module into the body of the luminaire, LEDFit offers a slim and lightweight design for ease of installation which is unique to the market.



Installation

LEDfit features a super lightweight design and is pre-wired for effortless installation.

Slim, compact and lightweight

Market leading size/weight/output ratio for high performance with low aesthetic impact. LEDfit's lean lightweight design also makes it easy to carry, install and integrate onto existing structures.



45W - 320 x 181 x 62 - 1.7kg



90W - 320 x 368 x 62 - 3.0kg

Pre-wired

Quick and easy installation with no wiring.



Mounting options

Three mounting options to cover all low area lighting applications.



Wall mounted - area



Surface mounted - façade



Mast

Product specification

A simple, reliable and efficient LED floodlight.

Application

- Low area lighting
- Building surrounds
- Façade lighting

Standards

IK07 IP66 T_a -20
+25



Light source information

Lifetime >50000 Hours @L70B50
 T_a 25°C
 4500lm (45W) and 9000lm (90W)
 100lm/W
 Colour temperature 4000K
 CRI 80

Materials/Finish

Body: aluminium, powder coated
 RAL 9006 (light grey)
 Stirrup: steel, powder coated
 RAL 9006 (light grey)
 Visor: polycarbonate, powder coated
 RAL 9006 (light grey)

Installation/Mounting

Pre-wired. No need to open the product.
 Luminaire is adjustable on a stirrup fixed
 by a single bolt through a central hole,
 plus two outer oblong holes.

Specification

To specify state:

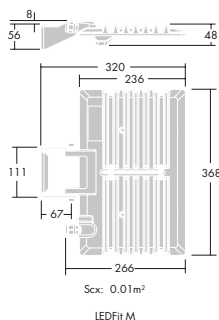
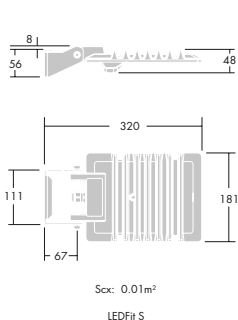
A simple, reliable and efficient alternative
 to general purpose HID floodlights
 with true asymmetric optic to cover
 the requirements of low area lighting,
 building surroundings and façade
 lighting. Ultra lightweight, compact
 design for ease of installation and
 minimal aesthetic impact available in
 2 sizes - Small and Medium - with lumen
 packages of 4500lm and 9000lm and
 high mechanical resistance (IP66, IK07).
 The reversible mounting stirrup allows
 different mounting positions to cover all
 the application needs.

As Thorn LEDFit.

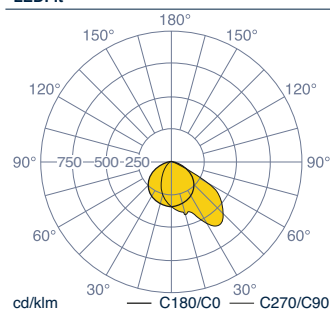
Ordering guide

Description	Wt (kg)	SAP Code
LEDFIT S 45W A/S CL1 L740	1.7	96628332
LEDFIT M 90W A/S CL1 L740	3.0	96628333

S - Small
 M - Medium



LEDFit



GET IN TOUCH

www.thornlighting.com/LEDf www.thornlighting.com/offices



**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.
02/2020 (INT)

**WE
MAKE
LIGHT
WORK**