

THORN
LIGHTING



EP 445

Historic style and cutting-edge lighting technology

EP 445

With historic style and cutting-edge lighting technology, EP 445 brings you the very best of both worlds.

Thorn's EP 445 combines a 19th-century look with 21st-century performance. This retro-style lantern is the perfect choice for replacing traditional lighting in historic locations and conservation areas with a durable, energy-efficient and modern solution. EP 445 features an automatic disconnection to prevent electrical damage when the lantern is opened, and 10kV surge protection on differential mode. Three different levels of current can be selected on the driver, for on-site adjustment. And this robust lantern is designed to withstand the elements – it's rated IP66 for protection against dust and moisture, and IK08 for impact resistance.

With efficacy of 124 lm/W and a 100 000-hour lifetime, EP 445 is a particularly attractive choice for retrofit and refurbishment projects where energy saving is a priority. This is reinforced by integrated Bi-Power setups, which can be very easily adapted. The EP 445 range comprises of post-top and suspended versions, accessories for use with a variety of supports, and a wide choice of light distributions.



Urban & residential streets



Building surrounds



Parks, promenades & pathways



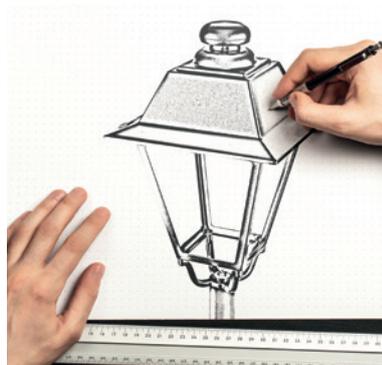
Parking



DARK SKY ACCREDITATION

The International Dark Sky Association is recognised as the global authority on light pollution and is the leading organisation combating this issue worldwide.

The IDA Fixture Seal of Approval 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.



Modern Twist

Made of die-cast aluminium with a textured black finish, it brings a modern twist to a traditional design.



A unified look

EP 445's wide choice of light distributions and mounting options gives users the freedom to match the appearance of existing lanterns when lighting new areas. It's an ideal choice for urban and residential streets, footpaths, cycling paths and roundabouts. City centres are its favourite destination.



Extra warmth

EP 445 is available with colour temperatures of 2700 K, 3000 K or 4000 K, and even 2200 K is available on request, for areas that require a particularly warm ambience. Light output ranges from 1425 to 8700 lm, can also be increased for higher light output demanding applications. The asymmetrical design ensures that there's no backlight.

PRODUCT SPECIFICATIONS

Application	Urban streets, Residential streets, Walking/cycling paths, car parks, roundabouts
Light Distribution	Narrow Distribution Asymmetrical for important spacing, Comfort Distribution Asymmetrical for wide streets, Rotational symmetrical distribution for Plazas
Luminous Flux	From 1425 lm to 5870 lm
Colour Temperature	2700 K, 3000 K & 4000 K (Standard); 2200 K (on request)
Colour Rendering	70; 80 for 8700 K
Efficacy	Up to 124 lm/W
Protection	IP66
Impact Resistance	IK08
Lifetime	L80 @ 100 000 h
LED Drivers	Adjustable output and bi-power programs
Controls	Zhaga up interface (ZU), on request



Other information

- Serigraphy on the glass with an arrow to help the orientation for asymmetrical lighting
- Less than 10 kg despite a large size as opposed to an important volume
- Delivered in kit ready to be assembled, pre-wired 5 m HO7 RN-F for post-top version

Standards



Material

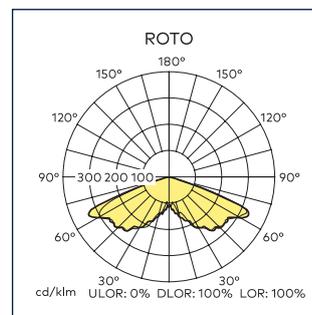
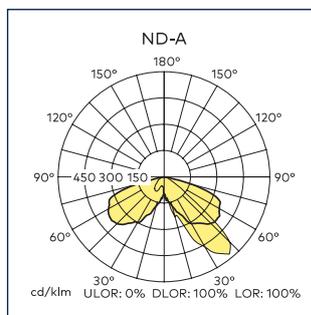
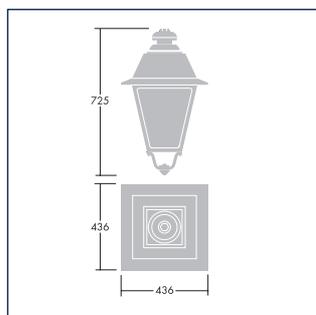
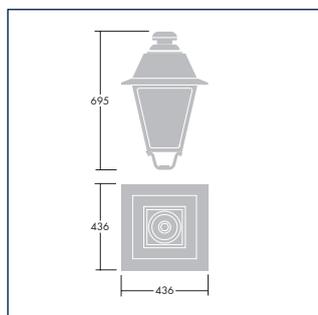
Die-casted aluminium, structured black finish, RAL 9005

Post top

accessories available for D60 and D76

Suspended

accessory to compensate a not aligned vertical position



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.
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**WE
MAKE
LIGHT
WORK**