

THORN
LIGHTING



FORCELED

Rugged waterproof luminaire,
engineered for harsh environments



**WE
MAKE
LIGHT
WORK**

A FORCE TO BE RECKONED WITH IN DEMANDING SITUATIONS

When it comes to harsh and demanding environments, it's essential that you choose a lighting solution that can withstand any challenges that may be presented.

With an IP66 rating and IK10 protection, ForceLED can withstand heavy rain and impacts, through to freezing and very high temperatures (-20 °C to 55 °C).

Plus, with a 100 000-hour lifetime and a recyclable aluminium body, ForceLED is both reliable and environmentally conscious.

With a high efficiency of up to 150 lm/W and offering a choice of lumen outputs (4000, 7000 or 10 000 lm), ForceLED delivers.

Coupled with its connectivity and emergency options, it quickly becomes a smart choice for withstanding challenging environments.

ForceLED can be introduced to a wide range of applications, from the roof of your logistics factory to the packing line in your food processing facility. Whatever the area, make an impact with ForceLED.



Industry



Manufacturing



Logistics



Food Processing



Car Parks



Plant / Roof Areas



Entrances



Storerooms



Back of House



FORCELED

A TOUGH, IMPACT RESISTANT WATERPROOF LUMINAIRE WITH WIRELESS CONNECTIVITY

A robust water, dust, dirt and shock-proof luminaire. Featuring a lightweight aluminium body with a UV stabilised polycarbonate diffuser with linear prisms. Flexible mounting options with BESA, suspended mounting and outdoor wall mounting.

WHEN THE GOING GETS TOUGH

ForceLED has an IP66 rating, this means it is resistant to ingress of water, dust and dirt. The luminaire's strong casing has been designed to offer protection from heavy impacts, certified to the highest level of impact resistance (IK10). From freezing to high heat environments (-20 °C to 55 °C), ForceLED can be installed in the most demanding areas.

ENDURANCE AND LOW MAINTENANCE

You can rely on ForceLED. With its 100 000 hour extended lifetime, this is a true "fit and forget" luminaire that delivers day after day. ForceLED's long lifetime is twice as long as many typical waterproof luminaires.

HIGH EFFICIENCY

ForceLED offers up to 150 lm/W efficiency and is available with a choice of 4000, 7000 or 10 000 lumens.



THORN WATERPROOF CONNECTED FAMILY

ForceLED, Aquaforce Pro and Escort all have optional smart connectivity. This enables wireless communication between luminaires thanks to the basicDIM modules and controller app built on Bluetooth® mesh technology.

15 m

Maximum spacing between luminaires

20 m

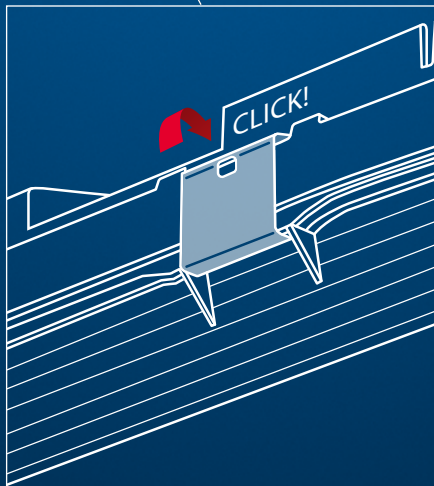
Maximum distance between luminaire and mobile devices running app

250

Maximum nodes on one network

∞

Maximum number of networks: unlimited



INSTALLATION AND MOUNTING

For surface, suspended and BESA mounting. Quick-fix installation brackets are supplied with each luminaire for surface mounting and optional accessory kits are available to assist with other mounting options.

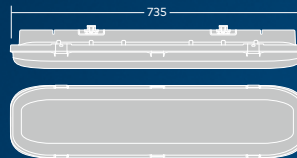
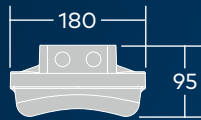


Quick-fix brackets

DISCOVER

www.thornlighting.com/FORL

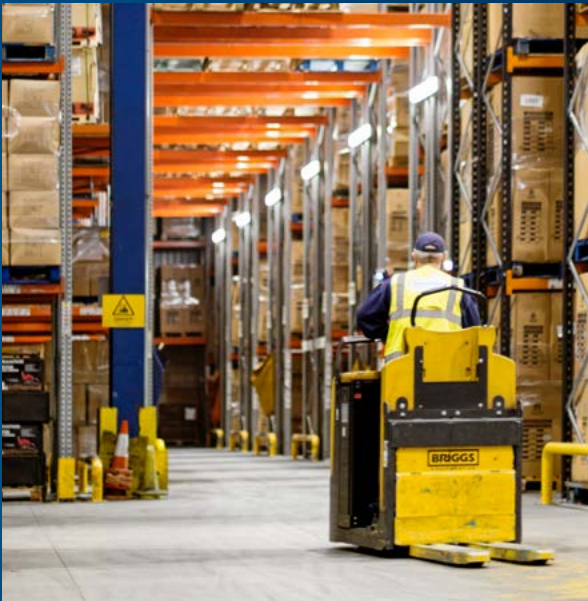
FORCELED



PC

	DALI dimmable 4000 lm, 7000 lm, 10 000 lm
	up to 150 lm/W
	4000 K
CRI	80
	IP66
	IK10
	-20 °C to 55 °C (4000 lm)
	up to L95 @ 100 000 hours
	<p>Wide Beam</p>
	Fixed output (HF), DALI (HFI), Microwave Presence Sensor (MWS), Microwave Presence Sensor with Corridor Function (CORM), Corridor Function (COR), basicDIM Bluetooth® Wireless (BC), Microwave Presence Sensor and basicDIM Bluetooth® Wireless (MWBC) and Microwave Presence Sensor and basicDIM Bluetooth® Wireless with Corridor Function (CORMBC)
	3 hr manual test, LiFePO ₄ battery (E3) 3 hr addressable self-test, LiFePO ₄ battery (E3D)





GET IN TOUCH

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

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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