

# THORN

## EyeKon

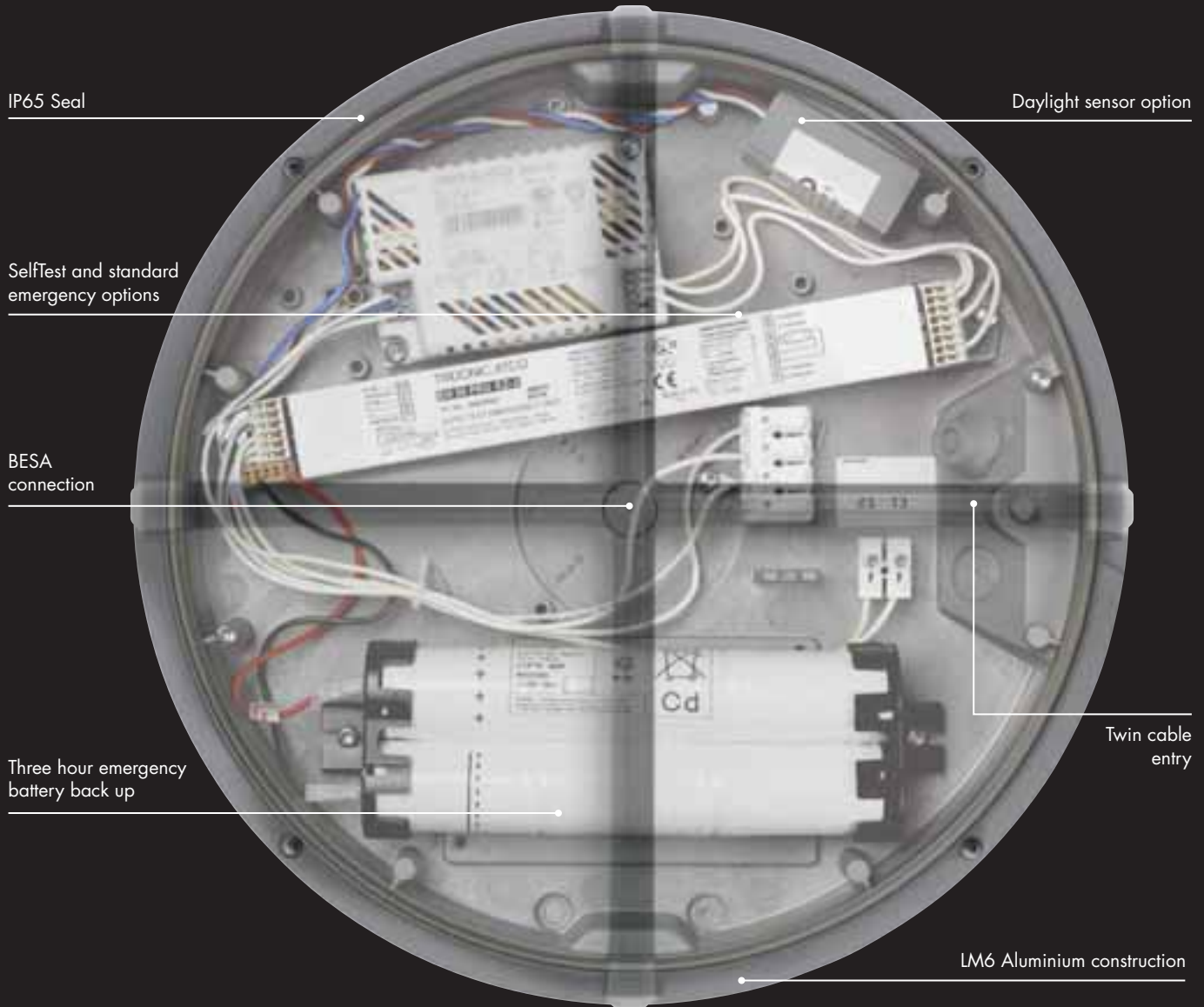
A range of robust, vandal resistant bulkheads designed for outdoor applications





# EyeKon

Offering a choice of two sizes and three designs to suit every exterior lighting scheme



Tamper resistant screws



Robust double wall conceals cable from view (also with cable clamp)



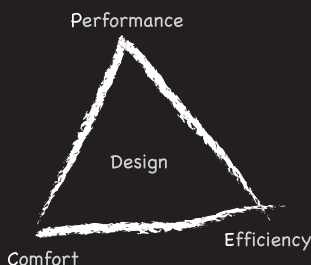
Tough polycarbonate opal diffuser



Energy saving with an integral daylight sensing photocell

## Performance, Efficiency and Comfort (PEC) – for a better lit environment

EyeKon evokes the spirit of Thorn Lighting's dynamic, results-orientated PEC programme



The programme is based on the principle that Performance, Efficiency and Comfort determine the effectiveness of lighting, its impact on the people using it, and its impact on the natural environment. EyeKon delivers the right light on the right place at the right time.



**Performance:** Providing the best visual effectiveness

- Engineered for improved visibility, EyeKon supplies sufficient light to provide orientation and direction for security after dark. EyeKon has been designed to spread light sideways, allowing fittings to be widely spaced without leaving dark areas between fittings. The optics also distribute light in front of the luminaire to illuminate paths and thoroughfares
- Optical control options reduce glare to a minimum
- Good colour rendering for pedestrians, improving visual perception

**Efficiency:** Conserving energy and effort, reducing CO<sub>2</sub> emissions and waste, providing lighting that is practical and efficient to install, operate and maintain.

- Electronic ballast for reduced power consumption and longer lamp life
- Visor version reduces upward light, which helps limit obtrusive light and improves the efficiency of the installation
- Photocell ensures luminaires are turned off when not needed. This will reduce power demand, conserve energy and reduce global warming. The installation will be more economic due to reduced running costs

- Automatic diagnostic tests for integrated SelfTest emergency lighting versions without requiring manual inspection.
- Easy to install and service, reducing the cost of ownership
- Designed to be fit for purpose, EyeKon is sealed to IP65 (dust-tight and jet-proof), is supplied with tamper resistant screws, and has an impact rating of IK10 (20 J), meaning it is robust and impact resistant
- Sustainable materials - body and bezel of LM6 aluminium

**Comfort:** giving people satisfaction and stimulation

- In open areas when mounted at its optimum mounting height good vertical light is delivered onto adjacent areas, helping to create a feeling of general safety and well-being.
- Choice of three modern minimalist designs to compliment and preserve the character of the architecture, making it a pleasant space
- The use of high frequency control gear provides flicker free light and prevents stress to the visual system
- Bollard use brings light down to the human level, creating intimate pools of light on pavements



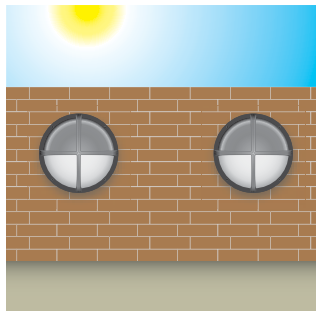
# Energy saving with EyeKon



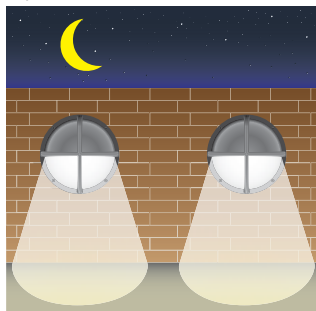
## Energy saving with daylight sensing

In a world where we all strive to save energy and the environment, the new EyeKon range helps you to save money at the same time as cutting carbon emissions.

Lighting accounts for around twenty per cent of a companies' energy costs, so anything that can help reduce those costs is a great benefit. One response is to ensure that luminaires are not illuminated during daylight hours. The EyeKon range can be supplied with an optional integrated sensor that will automatically detect daylight and switch off the luminaire. There are photocell variants with emergency available as standard.



Day\*



Night\*

\*Not to scale for illustration only

EyeKon can be supplied with an option of a daylight sensor fitted as standard. Helping save energy costs by automatically switching the luminaire on or off depending on the ambient light levels.

## Emergency Lighting

EyeKon offers a number of emergency lighting options that are integrated into the luminaire. This self-contained approach improves the appearance of the location while reducing installation cost and complexity.

The options support integrated emergency operation for three hours, allowing full continuity of emergency lighting after an evacuation. The unique SelfTest emergency lighting options include a diagnostic microprocessor that will automatically perform function tests and duration tests. It monitors and automatically tests emergency luminaires at specified intervals, displaying the status of each unit using a two-colour LED. As a result, any problems with battery and lamp health are detected early, without requiring manual inspection.





## Applications

EyeKon is suitable for a wide range of outdoor applications and can be fitted to the ceiling, wall or mounted into a bollard

### Typical applications:

- Retail and commercial buildings
- Schools and universities
- Hospitals
- Sports and leisure centres
- Car parks
- Forecourts
- Entrances
- Amenity lighting
- Gardens and parks
- Building perimeters
- Outdoor emergency exit routes

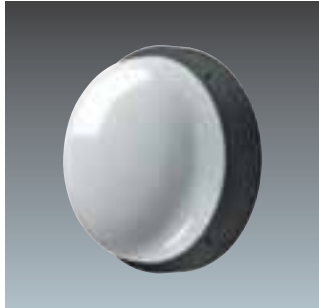


< Visor bollard mounted, black





# Product features



Small, bezel, black, opal diffuser



Small, cross, black, opal diffuser



Small, visor, black, opal diffuser



Large, bezel, black, opal diffuser



Large, cross, black, opal diffuser



Large, visor, black, opal diffuser

## Lamps

### Small

☰ 18W TC-DEL (FSQ) compact fluorescent. Cap: G24q-2

☰ 26W TC-TEL (FSM) compact fluorescent. Cap: GX24q-3

☰ 35W HIT-CE (MT) metal halide. Cap: G12

### Large

☰ 28W TC-DDEL (FSS) compact fluorescent. Cap: GR10

☰ 42W TC-TEL (FSM) compact fluorescent. Cap: GX24q-4

☰ 70W HIT-CE (MT) metal halide. Cap: G12

## Materials/Finish

Housing and decorative feature (cross, bezel and visor): LM6 die-cast aluminium  
 Diffusers: opal polycarbonate  
 Reflector: aluminium  
 Gaskets: extruded silicone rubber sponge  
 Vandal proof screws, torx key supplied with every luminaire

## Installation/Mounting

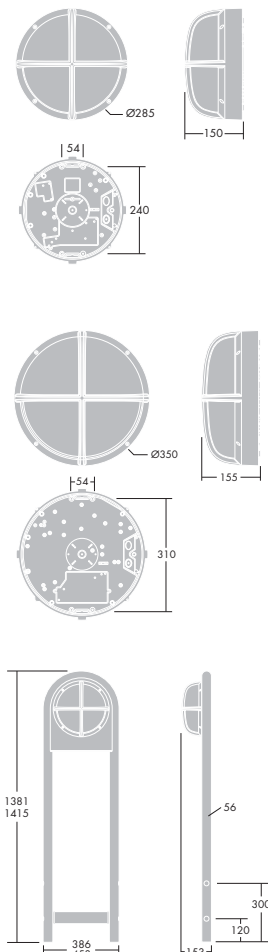
Wall or ceiling mounting with central BESA provision and four fixing points (2 horizontal holes to aid adjustment, additional holes for security or uneven surfaces). Two cable entries to rear or side (not for conduit use) into 3-way terminal block (4-way for E3 versions). Looping possible. Separate gear tray secures with two screws.

## Standards

Designed and manufactured to comply with AS/NZS 60598  
 Ⓢ Class 1 electrical  
 IK10 (20 J)  
 ⚡ ⚠ ⚡ IP65 ⚡ ⚡ ⚡

## Specification

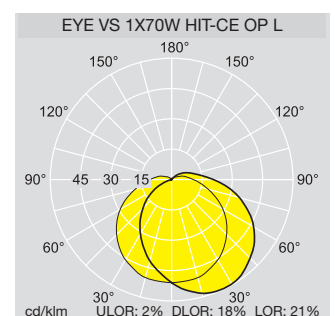
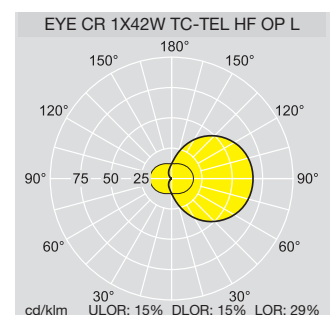
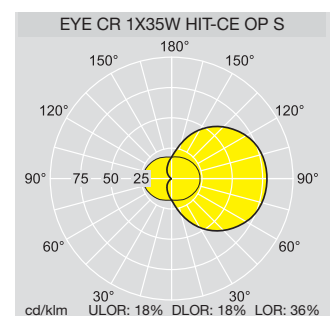
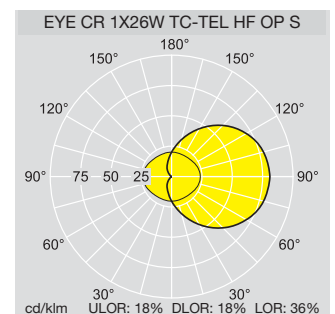
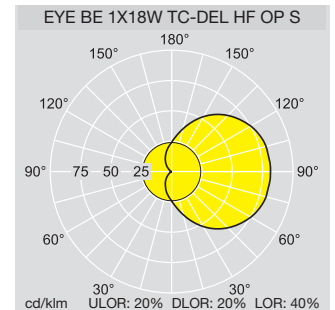
Surface mounted bulkhead with LM6 die-cast black aluminium body and opal polycarbonate diffuser. IP65. IK10/double wall design that will conceal cable from view. Round large/small with plain/cross/visor. For compact fluorescent/metal halide lamps. With emergency/and photocell options. As Thorn EyeKon.



# Ordering Guides

**Ordering Guide** Lamp (s) to be ordered separately

Description	Bezel	Ilcos code	Socket	Weight (Kg)	SAP Code
<b>Small version</b>					
<b>Opal diffuser</b>					
EYE CR 1X18W TC-DELE HF OP S BL	Cross	F5Q	G24q-2	2.0	96206323
EYE CR 1X26W TC-TEL HF OP S BL	Cross	FSM	GX24q-3	2.0	96206338
EYE CR 1X35W HIT-CE HF OP S BL	Cross	MT	G12	2.1	96206402
EYE CR 2X18W TC-DELE HF OP S BL	Cross	F5Q	G24q-2	1.9	96206366
EYE BE 1X18W TC-DELE HF OP S BL	Bezel	F5Q	G24q-2	1.8	96206326
EYE BE 1X26W TC-TEL HF OP S BL	Bezel	FSM	GX24q-3	1.7	96206342
EYE BE 1X35W HIT-CE HF OP S BL	Bezel	MT	G12	1.9	96206405
EYE BE 2X18W TC-DELE HF OP S BL	Bezel	F5Q	G24q-2	1.6	96206368
EYE VS 1X18W TC-DELE HF OP S BL	Visor	F5Q	G24q-2	2.0	96206332
EYE VS 1X26W TC-TEL HF OP S BL	Visor	FSM	GX24q-3	2.0	96206348
EYE VS 1X35W HIT-CE HF OP S BL	Visor	MT	G12	2.2	96206411
EYE VS 2X18W TC-DELE HF OP S BL	Visor	F5Q	G24q-2	1.9	96206374
<b>Opal diffuser - Emergency version</b>					
EYE CR 1X18W TC-DELE HF E3 OP S BL	Cross	F5Q	G24q-2	2.6	96206308
EYE BE 1X18W TC-DELE HF E3 OP S BL	Bezel	F5Q	G24q-2	2.4	96206311
EYE VS 1X18W TC-DELE HF E3 OP S BL	Visor	F5Q	G24q-2	2.6	96206317
<b>Large Version</b>					
<b>Opal diffuser</b>					
EYE CR 1X28W TC-DDELE HF OP L BL	Cross	F5S	GR10q	2.6	96206474
EYE CR 1X42W TC-TEL P HF OP L BL	Cross	FSM	GX24q-4	2.5	96206632
EYE CR 1X70W HIT-CE HF OP L BL	Cross	MT	G12	2.8	96206681
EYE BE 1X28W TC-DDELE HF OP L BL	Bezel	F5S	GR10q	2.4	96206477
EYE BE 1X42W TC-TEL P HF OP L BL	Bezel	FSM	GX24q-4	2.3	96206635
EYE BE 1X70W HIT-CE HF OP L BL	Bezel	MT	G12	2.6	96206683
EYE VS 1X28W TC-DDELE HF OP L BL	Visor	F5S	GR10q	2.8	96206483
EYE VS 1X42W TC-TEL P HF OP L BL	Visor	FSM	GX24q-4	2.7	96206641
EYE VS 1X70W HIT-CE HF OP L BL	Visor	MT	G12	3.0	96206688
<b>Opal diffuser - photocell versions</b>					
EYE CR 1X28W TC-DDELE P HF OP L BL	Cross	F5S	GR10q	2.6	96206462
EYE CR 1X42W TC-TEL P HF OP L BL	Cross	FSM	GX24q-4	2.5	96206606
EYE CR 1X70W HIT-CE P HF OP L BL	Cross	MT	G12	2.8	96206670
EYE BE 1X28W TC-DDELE P HF OP L BL	Bezel	F5S	GR10q	2.4	96206465
EYE BE 1X42W TC-TEL P HF OP L BL	Bezel	FSM	GX24q-4	2.3	96206609
EYE BE 1X70W HIT-CE P HF OP L BL	Bezel	MT	G12	2.6	96206673
EYE VS 1X28W TC-DDELE P HF OP L BL	Visor	F5S	GR10q	2.8	96206471
EYE VS 1X42W TC-TEL P HF OP L BL	Visor	FSM	GX24q-4	2.7	96206615
EYE VS 1X70W HIT-CE P HF OP L BL	Visor	MT	G12	3.0	96206678
<b>Opal diffuser - Emergency version</b>					
EYE CR 1X28W TC-DDELE HF E3 OP L BL	Cross	F5S	GR10q	3.1	96206426
EYE BE 1X28W TC-DDELE HF E3 OP L BL	Bezel	F5S	GR10q	2.9	96206429
EYE VS 1X28W TC-DDELE HF E3 OP L BL	Visor	F5S	GR10q	3.4	96206435
<b>Opal diffuser - Emergency version with photocell</b>					
EYE CR 1X28W TC-DDELE P HF E3 OP L BL	Cross	F5S	GR10q	3.1	96206414
EYE BE 1X28W TC-DDELE P HF E3 OP L BL	Bezel	F5S	GR10q	2.9	96206417
EYE VS 1X28W TC-DDELE P HF E3 OP L BL	Visor	F5S	GR10q	3.4	96206423
<b>Opal diffuser - SelfTest emergency versions</b>					
EYE CR 1X28W TC-DDELE HF E3TX OP L BL	Cross	F5S	GR10q	3.3	96206450
EYE BE 1X28W TC-DDELE HF E3TX OP L BL	Bezel	F5S	GR10q	3.1	96206453
EYE VS 1X28W TC-DDELE HF E3TX OP L BL	Visor	F5S	GR10q	3.5	96206459
<b>Opal diffuser - SelfTest emergency with photocell</b>					
EYE CR 1X28W TC-DDELE P HF E3TX OP L BL	Cross	F5S	GR10q	3.3	96206438
EYE BE 1X28W TC-DDELE P HF E3TX OP L BL	Bezel	F5S	GR10q	3.1	96206441
EYE VS 1X28W TC-DDELE P HF E3TX OP L BL	Visor	F5S	GR10q	3.5	96206447
<b>Bollards</b>					
EYE BOLLARD LARGE BL					96207079
EYE BOLLARD SMALL BL					96207083





# THORN

Lighting people and places

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