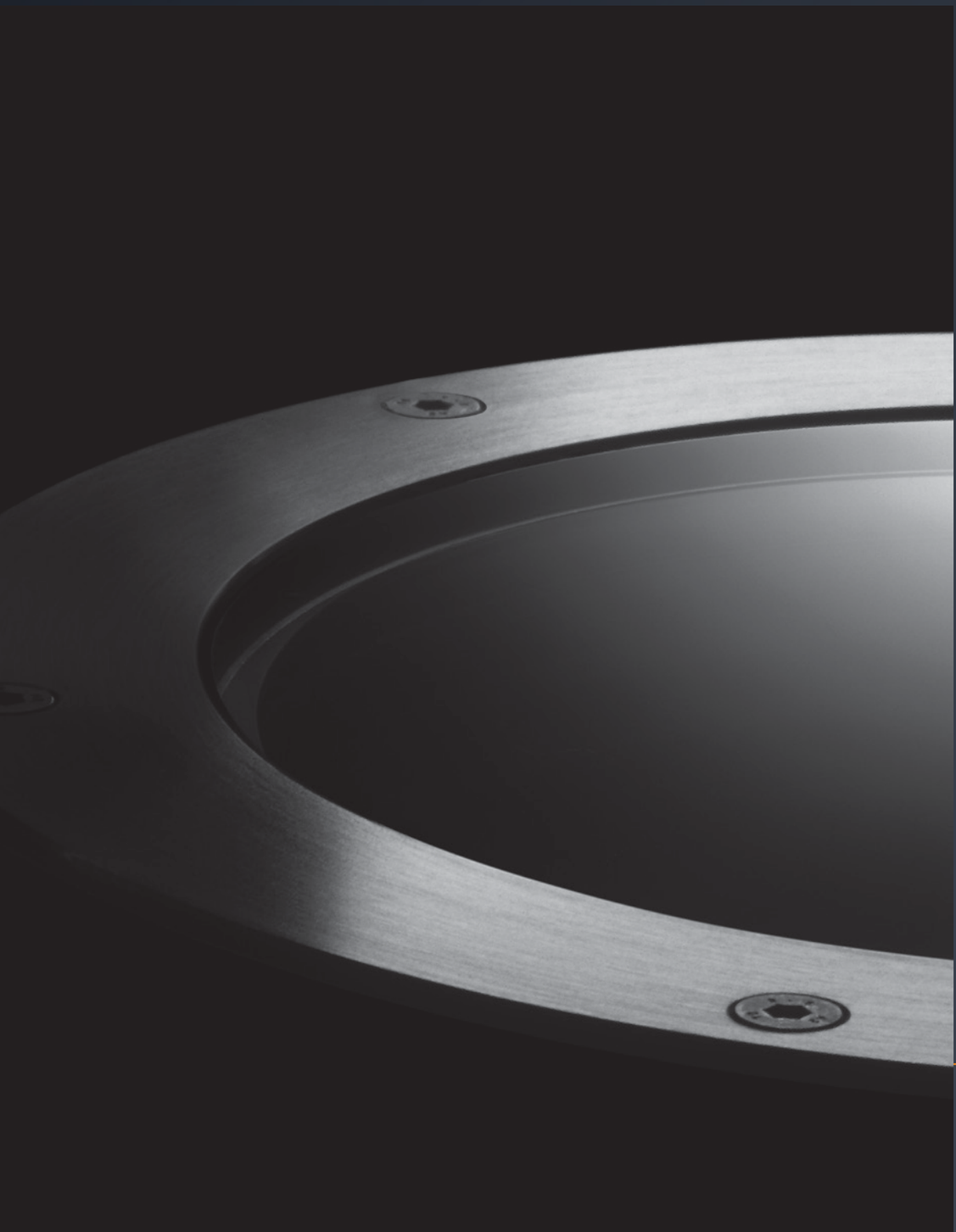
we-ef

WE-EF LIGHTING

ETC300 Series

Australia / NZ Edition | 2021



CONTENTS

AUS / NZ EDITION

Reliability Performance Integration

Either by necessity or preference people occupy night-time urban spaces, and the inground uplight has made the experience more exciting. Techniques ranging from spots or grazing to floodlighting and wall washing have become central tools in the lighting designer's kit.

Precision during the design process, careful material selection and state-of-the-art manufacturing, founded on dedication to the quality philosophy, ensure that WE-EF inground luminaires like ETC300 and ETV100 series are considered to be a benchmark of product reliability, optical performance and design integration.

National Museum of Australia. Canberra (AUS)
Lighting design: Lincoln Scott, Vision Design Studio
Photo: John Gollings

Eastland Shopping Centre

Melbourne, Australia

Lighting supports thriving Melbourne suburb community

With a strong focus on achieving a balance between architectural and landscape elements, the elegant lighting design for the Town Square area of Eastland Shopping Centre in Ringwood, Melbourne is the result of a truly brilliant collaboration. The lighting scheme created by the lighting design practice Electrolight and the UK-based consultancy firm, SEAM Design, provides both cutting edge functionality and a sense of community at the shopping centre.

Considered by QIC GRE as both a civic and a commercial space, Eastland Town Square has employed a sophisticated lighting design for which WE-EF products were strategically selected and positioned to enhance user experience by **creating drama and contrast**.

> *"We put forward the WE-EF product, as the light fittings achieved the aesthetic and technical requirements of the lighting design. It was also important to use a product that was reputable and was provided by a supplier who offers a great service," Jess Perry, Director of Electrolight, explained.*

As well as the high quality and performance of the WE-EF products, the other key benefit for this project was the choice of optics and accessories for glare control. The design includes WE-EF ETC340-GB inground uplights, 24 W, to light the building perimeter and highlight the facade.

> *"Narrow beam inground uplights graze faceted columns to enhance their texture and form, pole mounted spotlights positioned near trees provide dappled pools of illumination," Jess said. "Short post spotlights articulate the sculptural forms of trees, while spotlights at the facade highlight the texture and vertical orientation of the feature fins."*

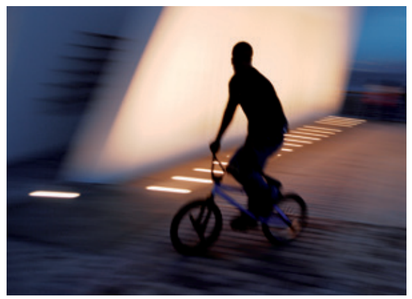
Architects: ACME and The Buchan Group
Lighting design: Electrolight and SEAM Design
Photo: Jackie Chan

Staten Island September 11th Memorial

New York, USA

Clearly visible on the Manhattan skyline, the white wing-like structures rise above the Staten Island Memorial – the monument for the 267 people from Staten Island who lost their lives along with so many others during the terrorist attacks on the World Trade Center on September 11, 2001. Facial profiles are carved in granite with their names, birth dates and occupations – silhouettes of the victims that provide a constant and very personal interpretation.

In the twilight and by night, the **finely tuned artificial light** allows the two-dimensionality of the profiles to stand out. Inground uplights were mounted on the outsides to cast a light on the silhouettes. By using extensive lighting calculations, the position and beam distribution of the inground uplights could be precisely determined. This has resulted in an extraordinary effect in which the inground light is directed from the outside to the inside and there the horizontal profile is illuminated.



Architect: Masayuki Sono, New York und Lapshan Fong
Lighting design: Fisher Marantz Stone
Photo: Frieder Blickle

Carrum Foreshore

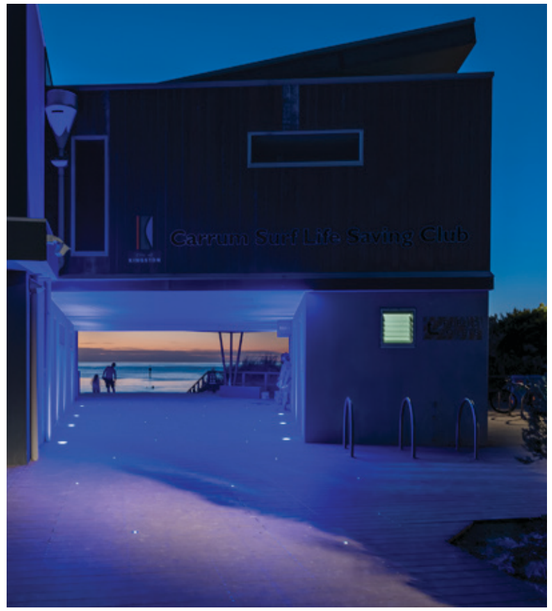
Carrum Foreshore, Victoria, Australia

Inspired by nature

In 2012 the City of Kingston made the decision to upgrade the Carrum foreshore precinct, concurrent with the construction of a new Life Saving Club, to create an innovative and exciting area for residents and visitors.

The project – which comprised a new pedestrian 'breezeway' link from the Patterson River through to the Carrum foreshore precinct – involved a combination of elevated timber boardwalks and conventional paths, a children's playground, an open deck with lavatories and shelters as well as the upgrading of the car park and access road lighting.

The inspiration for the lighting came from the bioluminescence sparkle found in nature along many coastlines. This effect was achieved with random LED marker uplights supported by **tight pools of illumination** on the boardwalk through the breezeway between the clubhouse and lavatory block. The washing of the breezeway with "Kingston Blue" uplighting creates the illusion of swimming under water. The deck area around the playground is silhouetted with additional blue light grazing the sand, further adding to the near-water experience.



Landscape architect: Urban Initiatives
Lighting design: 2B Designed
Photo: Ralph Alphonso

The Piece Hall

Halifax, UK

A piece of timeless grandeur

For centuries, this unique eighteenth century complex, with its four colonnaded wings embracing a central plaza, served as a market hall for fabrics and cloth – and a symbol of civic pride. Widely regarded as one of Britain's most outstanding buildings of the Georgian period, Piece Hall underwent major conservation and transformation in 2017. Its appealing blend of restaurants, shops, offices and cultural events attracts a diverse and international mix of visitors.

Inground luminaires by WE-EF create effective sidelights on the columns and set an impressive scene for the hall's main gate – with flexible alignment achieved by their built-in gimbal feature.

Architect: LDN Architects
Lighting design: Happold Lighting
Photo: Frieder Blickle

VERSATILE LIGHTING TOOL

Either by necessity or preference people occupy night-time urban spaces, and the inground uplight has made the experience more exciting. Techniques ranging from spots or grazing to floodlighting and wall washing have become central tools in the lighting designer's kit. Inhabitants and users of 'bottom-up' lighted spaces often see such areas as purposefully designed for their own aesthetic appreciation.

ETC300 inground luminaires with symmetric optics provide designers with a **multitude of illuminating options**. In addition, a range of optical accessories including honeycomb louvres and wall wash lenses, as well as various colour options make it hard to find a lighting objective these inground luminaires cannot fulfil.

Nativity Wall. Melbourne (AUS)

RELIABILITY IS PARAMOUNT

Product design needs to be timeless and enduring. A luminaire will need to perform its task for twenty to thirty years and must therefore incorporate best practice in terms of engineering, materials selection and the processes associated with manufacturing.

Stainless steel and marine-grade aluminium, safety glass lens with maximum load of up to 5 tonnes, supported by silicon rubber gaskets and IP68 junction box equip the inground luminaires to **reliably function in most challenging environments**.

Parkdale Obelisk. Kingston (AUS)
Landscape architect: Urban Initiatives
Lighting design: 2BDesigned
Photo: Ralph Alphonso
ETC300-FS and ETC300-GB

WIDE RANGE OF OPTIONS

Consistency is a design principle that explains how things are more usable and more familiar to us when we use similar parts or express things in a familiar way. In urban lighting, families of luminaires – from inground to steplight to bollard and beyond – provide a consistency that brings order to how we view the space.

The ETC300 series uplights are available in four sizes and lumen packages from 404 to 5,400 lm. Various optical distributions, combined with a range of accessories, provide a designer with **creative illuminating options without compromising the aesthetical consistency**.

Carrum Foreshore. Carrum (AUS)
Landscape architect: Urban Initiatives
Lighting design: 2B Designed
Photo: Ralph Alphonso
ETC300-FS

INTEGRATION

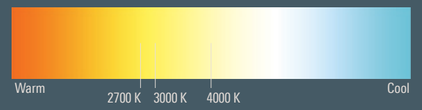
The inground uplight is a perfect example of how an urban lighting tool is capable of being daytime passive and night-time active. In effect, its chameleon qualities give it the ability to hide its talents by day. It is therefore no surprise that it is such an indispensable part of the lighting designer's toolkit.

WE-EF is dedicated to the philosophy of **combining form and function**, resulting in striking and timeless product designs.

The Broad Museum. Los Angeles (USA)
Architect: Diller Scofidio + Renfro
Lighting design: Tillotson design Associates NYC
ETC330-GB

OVERVIEW ETC300 INGROUNDS

LIGHT COLOUR TEMPERATURES [KELVIN]



ETC300-FS

ETC300-FS
[Factory-sealed] Inground uplight with fixed optics.

ETC309-FS
[Factory-sealed] Inground luminaire, marker light, diffused.

ETC300-FS TW
[Factory-sealed] Inground uplight with fixed optics.

ETC300-FS CC
[Factory-sealed] Inground luminaire with fixed optics..

IP Classification
IP67 [Factory-sealed]. Dust and watertight – immersible.

Impact Protection
IK10+. Protected against the impact equivalent of 5.0 kg steel weight dropped from 400 mm above.

Material
Stainless steel construction including PCS hardware. Safety glass lens. Silicone rubber gasket.

Connection
Factory-sealed termination chamber with cable gland and 0.5 m of flexible PVC-free cable.

Gear
Integral EC electronic converter in thermally-shielded compartment.

Installation
Luminaire installation blockout and sealable junction box included in supply.

Maximum load
5 tonnes. Luminaire can be driven over at low speed.

ASC® Anti Slip Coating
Available on request.

ETC300-GB

ETC300-GB
Adjustable inground uplight. 20° tiltable and 355° rotatable.

ETC300-GB TW
Adjustable inground uplight. 20° tiltable and 355° rotatable.

ETC300-GB CC
Adjustable inground uplight. 20° tiltable and 355° rotatable.

IP Classification
IP67 [Factory-sealed]. Dust and watertight – immersible.

Impact Protection
IK10+. Protected against the impact equivalent of 5.0 kg steel weight dropped from 400 mm above.

Material
Stainless steel construction including PCS hardware. Safety glass lens. Silicone rubber gasket.

Connection
Factory-sealed termination chamber with cable gland and 0.5 m of flexible PVC-free cable.

Gear
Integral EC electronic converter in thermally-shielded compartment.

Installation
Luminaire installation blockout and sealable junction box included in supply.

Maximum load
5 tonnes. Luminaire can be driven over at low speed.

ASC® Anti Slip Coating
Available on request.

ETC300-FS INGROUND UPLIGHTS

Luminaire housing options
ETC310-FS / ETC320-FS / ETC330-FS / ETC340-FS / ETC319-FS / ETC329-FS / ETC339-FS

Light source
LED 6-36 W / LED 3-12 W (ETC309-FS)

Nominal lumens
738 – 4,435 lm / 404 - 1,476 lm (ETC309-FS)

Light colour temperatures
3000 K, 4000 K and 2700 K. CRI≥80

Available distributions
[B] [M] [EE] [EES] / diffused (ETC309-FS)

Optical accessories
Wallwash lens, linear spread lens, flood lens, linear louvre, honeycomb louvre, colour filter (on request) / not available (ETC309-FS)

Control options
ON/OFF, 1-10 V, DALI (applicable for most versions)

ETC300-FS TW INGROUND LUMINAIRES

Luminaire housing options
ETC330-FS TW / ETC340-FS TW

Light source
LED 19-30 W

Nominal lumens
2,760 - 4,320 lm

Light colour temperatures
2700 - 6000 K. CRI≥70

Available distributions
[B] [M]

Optical accessories
Linear spread lens, flood lens, linear louvre, honeycomb louvre

Control options
DALI

ETC300-FS CC INGROUND UPLIGHTS

Luminaire housing options
ETC330-FS CC / ETC340-FS CC

Light source
LED 19 - 30 W

Nominal lumens
1,920 - 3,000 lm

Light colour temperatures
RGBW (4000 K standard). CRI≥80 (for white only)

Available distributions
[B] [M]

Optical accessories
Linear spread lens, flood lens, linear louvre, honeycomb louvre

Control options
DMX, DMX wireless; refer to page 36

ETC300-GB INGROUND UPLIGHTS

Luminaire housing options
ETC320-GB / ETC330-GB / ETC340-GB

Light source
LED 6-36 W

Nominal lumens
738 – 5,400 lm

Light colour temperatures
3000 K, 4000 K and 2700 K. CRI≥80

Available distributions
[B] [M] [EE] [EES]

Optical adjustment
20° tiltable and 355° rotatable

Optical accessories
Wallwash lens, linear spread lens, flood lens, linear louvre, honeycomb louvre. optical adaptor

Control options
ON/OFF, 1-10V, DALI (applicable for most versions)

ETC300-GB TW INGROUND UPLIGHTS

Luminaire housing options
ETC340-GB TW

Light source
LED 27.5 W

Nominal lumens
3,792 lm

Light colour temperatures
2700 - 6000 K. CRI≥70

Available distributions
[B] [M]

Optical adjustment
20° tiltable and 355° rotatable

Optical accessories
Linear spread lens, flood lens, linear louvre, honeycomb louvre, optical adaptor

Control options
DALI

ETC300-GB CC INGROUND UPLIGHTS

Luminaire housing options
ETC340-GB CC

Light source
LED 25 W

Nominal lumens
2,520 lm

Light colour temperatures
RGBW (4000 K standard). CRI≥80 (for white only)

Available distributions
[B] [M]

Optical adjustment
20° tiltable and 355° rotatable

Optical accessories
Linear spread lens, flood lens, linear louvre, honeycomb louvre, optical adaptor

Control options
DMX, DMX wireless; refer to page 36

INGROUND LUMINAIRES

AUS / NZ EDITION

CREATIVE ILLUMINATING OPTIONS

The technique known as backlighting generates two outputs, neither of which is dependent on incident light. Where the surface is capable of transmitting light it takes on its own brightness; when light is not transmitted but appears ‘at the edge’ as an outline, the effect is known as silhouetting.

Federal Park. Sydney (AUS).

Nativity Wall. Melbourne (AUS).

Landtag Vaduz (LI).
Architect: Hansjörg Göritz, Hannover. Lighting design: LichtKunstLicht, Bonn/Berlin.
Photo: Lukas Roth.

Monash University. Melbourne (AUS).
Landscape architect: Taylor Cullity Lethlean. Lighting design: Electrolight. Photo: Jackie Chan.

The collaborator in the successful combination of texture and brightness is shadow, the character and strength of which will add weight to form. Just as minimal or untextured surfaces can produce ‘lightweight’ views, so the use of strongly textured walls will appear heavy. In western architecture and among art historians the ‘heavy at the base’ term describes a visual quality that ‘anchors’ a building or object.

Landtag Vaduz (LI).
Architect: Hansjörg Göritz, Hannover. Lighting design: LichtKunstLicht, Bonn/Berlin.
Photo: Lukas Roth.

The language of light includes some curious terms. For example, we ‘wash’ walls and create ‘scallops’. It is the light reflected from a surface that we perceive as brightness, and this will often define that space for the observer. Simultaneously, the nature and texture of the surface being ‘washed’ can be given emphasis.

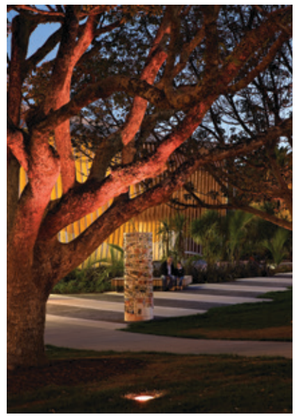
Landtag Vaduz (LI).
Architect: Hansjörg Göritz, Hannover.
Lighting design: LichtKunstLicht, Bonn/Berlin.
Photo: Lukas Roth.

National Museum of Australia. Canberra (AUS).
Lighting design: Lincoln Scott, Vision Design Studio. Photo: John Gollings.

Whether navigating a university campus, a wild forest or a city, the basic principles of ‘wayfinding’ involve the same four stages: orientation; route decision; route monitoring; and destination recognition, according to R. M. Downs and D. Stea (1973), in Cognitive Maps and Spatial Behaviour.

Fogarty Park. Cairns (AUS).
Lighting design: Cairns City Council. Photo: Jackie Chan. ETC300-FS.

Although trees and other types of foliage are essential elements of our natural surroundings, providing shade for the urban environment, their main application is to humanise and pattern urban spaces. Urban planners and architects alike strive for perceptual clarity in such spaces by defining boundaries and providing a sense of scale.



Nell Fisher Reserve. Auckland (NZ).
Photo: Simon Devitt.

COLOUR AND CONTROL OPTIONS

Derek Philips, in his book The Lit Environment, agrees that almost any saturated colour can be used in temporary installations. However, he also states that the nature of the building and its materials should be taken into account for permanent installations to 'express a credible appearance.'

Dynamic colour change schemes, when professionally executed, can create sensational, eye-catching effects. WE-EF's Colour Boost Technology, in combination with CAD-optimised optical lenses, ensure smooth beam overlaps as well as high illuminance intensities wherever desired. With infinitely variable colour mixing, the new ETC300-CC colour changing inground uplight offers exciting creative possibilities.

Control options

ETC300-FS	1-10 V	DALI	24VDC	48VDC	DMX	DMX RF
ETC310-FS	√	-	√	TBC	-	-
ETC320-FS	√	√	√	√	-	-
ETC330-FS	√	√	√	√	√	√
ETC340-FS	√	√	√	√	√	√

ETC300-FS CC	1-10 V	DALI	24VDC	48VDC	DMX	DMX RF
ETC330-FS CC	-	-	-	√	√	√
ETC340-FS CC	-	-	-	√	√	√

ETC300-FS TW	1-10 V	DALI	24VDC	48VDC	DMX	DMX RF
ETC330-FS TW	-	√	-	√	√	√
ETC340-FS TW	-	√	-	√	√	√

ETC300-GB	1-10 V	DALI	24VDC	48VDC	DMX	DMX RF
ETC320-GB	√	-	√	√	-	-
ETC330-GB	√	√	√	√	-	-
ETC340-GB	√	√	√	√	-	-

ETC300-GB CC	1-10 V	DALI	24VDC	48VDC	DMX	DMX RF
ETC340-GB CC	-	-	-	√	√	√

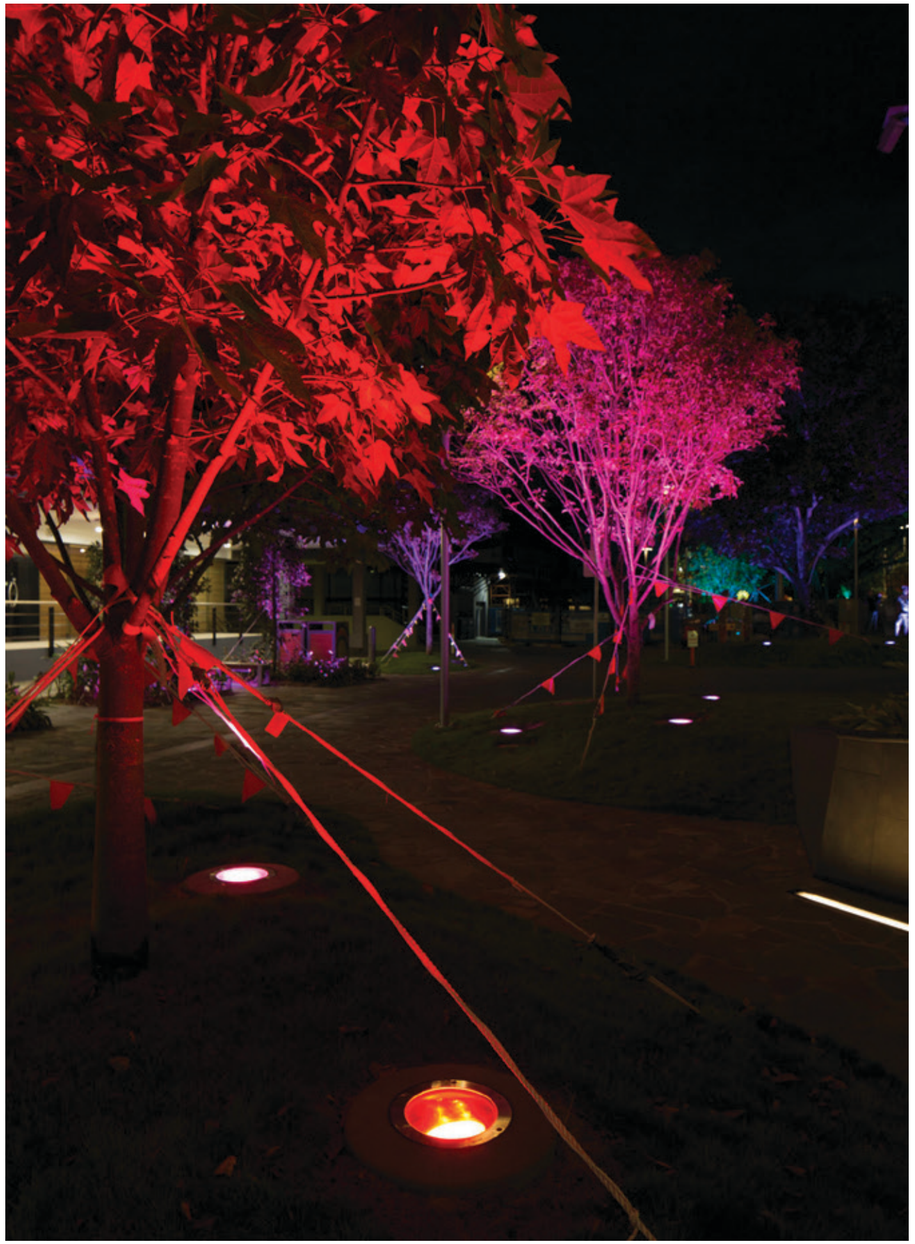
ETC300-GB TW	1-10 V	DALI	24VDC	48VDC	DMX	DMX RF
ETC340-GB TW	-	√	-	√	√	√

To order a luminaire with an available control option, please add the following code to the luminaire Part-ID:

1-10V	DALI	DMX	WIRELESS DMX
+0011	+0013	+0012	+0018

Colour Boost

With RGBW colour mixing, the available electrical power of the projector is normally distributed evenly across all four channels. This means that a maximum of 25% of the electrical power is available to each channel. As a rule, however, a maximum of three channels are used for colour mixing. This means that only a maximum of 75% of the electrical power is available to them. This is where WE-EF colour boost technology comes in. When only three channels are used it distributes 100% of the electrical power to the three active channels, so that 33% instead of 25% of the total electrical power is available to each channel. Depending on the colours used, this increases the luminous efficacy by up to 40%.

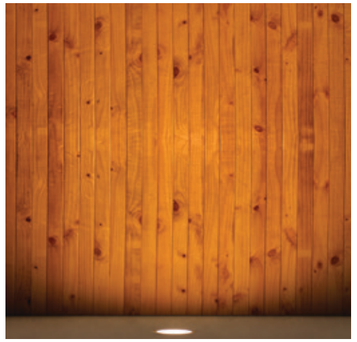


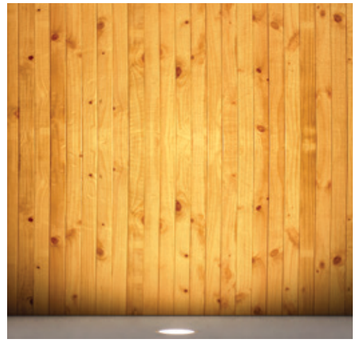
Shields Street, Cairns (AUS). Lighting design: Design Stage. ETC340-GB.

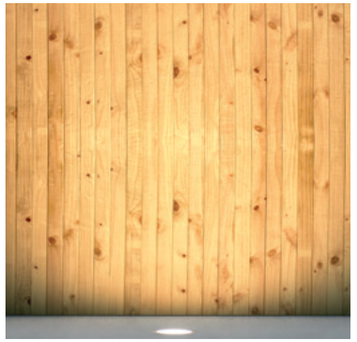
WE-EF TUNABLE WHITE TECHNOLOGY

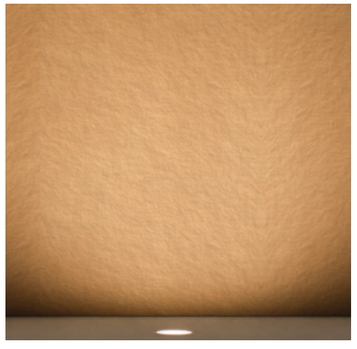
Tunable White

WE-EF's industry-leading technology facilitates 'smooth tuning' from a warm 2700 K to a cool 6000 K while maintaining consistent luminous flux. Three typical colour temperatures within this range are shown here, demonstrating the visual effects they have on a variety of surface materials and colours.









2700 K

5000 K

6000 K

The Piece Hall. Halifax (UK). Architect: LDN Architects. Lighting design: Happold Lighting. Photo: Frieder Blickle. The shown application features uplights in close vicinity to a vertical structure, creating a 'column grazing' effect. Mood changes are achieved through 'smooth tuning' from 2700 K to 6000 K.

PRODUCT FEATURES AND BENEFITS - ETC300-FS AND ETC300-GB INGROUND LUMINAIRES

Factory Sealed
Fully assembled in a humidity controlled environment, a factory-sealed luminaire is prewired and fitted with the specified light source. The luminaire does not need to be opened during installation. Mains connection is made either in a separate terminal box or externally. These features provide for fast and cost saving on-site installation, as well as the avoidance of installation errors.

FS
FACTORY SEALED

Toughened safety glass lenses used in WE-EF inground luminaires are load rated up to 5 tonnes.

Weatherproof and non-ageing silicone rubber provides excellent sealing qualities in corrosive and high temperature environments.

ETC300 inground luminaires feature CCG (Controlled Compression Gasket) technology, enhancing long-term, maintained, high IP ratings.

ETC300-FS

ETC300-GB

PCS Hardware
All exposed hardware is made from austenitic stainless steel, and additionally sealed with a tough, impregnated polymer coat, which fulfils two functions:

- Reduced friction between male and female thread causes tighter fit between connected parts.
- Non-metallic barrier between the two metals, aluminium and steel, prevents galvanic corrosion that otherwise occurs, when metals of dissimilar electronegativities are in contact.

PCS

The luminaire housing and cover ring are made of highly corrosion-resistant stainless steel alloys. Type 316 stainless steel is used for the luminaire laser-cut cover, providing the highest level of overall corrosion resistance, as well as resistance to chemicals.

Specialised housing body allows for separation of the DMX and main power supply cables with built-in antiwicking device for ETC320 / ETC330 / ETC340 (coming soon)

Nickel-plated brass glands provide increased durability and improved sealing of the luminaire.

Installation blockouts feature an “anti-floating” shape and are supplied with a blockout cover for ease of the installation process.

PRODUCT DETAILS - ETC300-FS INGROUND LUMINAIRES

[Factory-sealed] ETC300-FS LED inground luminaires. IP67. IK10+. Stainless steel construction including PCS hardware. Luminaire can be driven over at low speed, max load 5 tonnes. Silicone CCG® Controlled Compression Gasket.

Luminaires are factory-sealed and don't need to be opened during installation.

Integral EC electronic converter in thermally-shielded compartment. Advanced thermal management protects LEDs while optimising lumen output. Removable LED boards for upgrading. CAD-optimised optics for superior illumination and glare control. OLC® One LED Concept.

Factory-sealed termination chamber with cable gland and 1.5 m of flexible cable. Luminaire installation blockout and sealable junction box included in supply.

ASC® Anti Slip Coating available on request.

ETC300-FS LED monochrome inground luminaire: ON/OFF, 1-10 V, DALI.

ETC300-FS TW LED tunable white inground luminaire: DALI.

ETC300-FS CC LED colour changing inground luminaire: DMX, DMX wireless.

Light source:
Refer to the product pages.

Available distributions:
ETC300-FS

[B] [M] [EE] [EES]

ETC309-FS (Marker light)

Diffused

ETC300-FS TW & ETC300-FS CC

[B] [M]

Accessories:
Optical, page 35

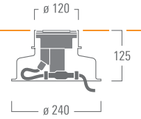
The Broad Museum. Los Angeles (US). Architects: Diller Scofidio + Renfro. in collaboration with Gensler Architects. Lighting design: Tillotson Design Associates NYC.

ETC300-FS

[B] Symmetric, wide beam
[M] Symmetric, medium beam
[EE] Symmetric, very narrow beam
[EES] Symmetric, very narrow beam, 'sharp cut-off'

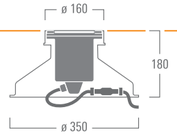
ETC300-FS

ETC319-FS



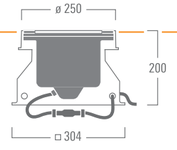
Diffused
3 W
120 lm

ETC329-FS



Diffused
6 W
170 lm

ETC339-FS



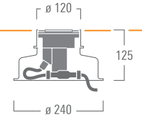
Diffused
12 W
310 lm

2700 K 3000 K 4000 K

INGROUND LUMINAIRES

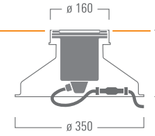
- For detailed specifications, product codes and latest performance data, refer to www.we-ef.com
- Shown above are rated lumens for 3000 K at T_q = 25°C
- For accessories, refer to page 35

ETC310-FS



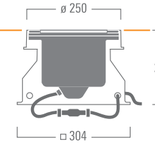
[M] [EE] [EES]
6 W
550-590 lm
Max. 1 internal accessory

ETC320-FS



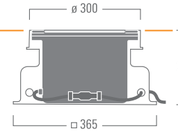
[B] [M] [EE] [EES]
12 W
1160-1380 lm
Max. 1 internal accessory

ETC330-FS



[B] [M] [EE] [EES]
24 W
2230-2570 lm
Max. 1 internal accessory

ETC340-FS



[B] [M] [EE] [EES]
36 W
3480-4140 lm
Max. 1 internal accessory

2700 K 3000 K 4000 K

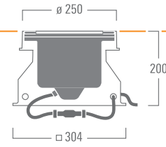
AUS / NZ EDITION

- For detailed specifications, product codes and latest performance data, refer to www.we-ef.com
- Shown above are rated lumens for 3000 K at T_q = 25°C
- For accessories, refer to page 35

[B] Symmetric, wide beam
[M] Symmetric, medium beam

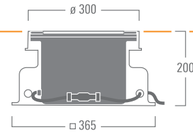
ETC300-FS TW

ETC330-FS TW



[B] [M]
19 W
1930-2010 lm
Max. 1 internal accessory

ETC340-FS TW



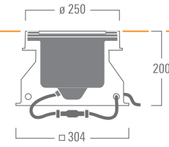
[B] [M]
30 W
3020-3150 lm
Max. 1 internal accessory

- For detailed specifications, product codes and latest performance data, refer to www.we-ef.com
- For accessories, refer to page 35

[B] Symmetric, wide beam
[M] Symmetric, medium beam

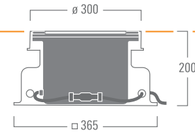
ETC300-FS CC

ETC330-FS CC



[B] [M]
19 W
1330 lm
Max. 1 internal accessory

ETC340-FS CC



[B] [M]
30 W
2120-2200 lm
Max. 1 internal accessory

- For detailed specifications, product codes and latest performance data, refer to www.we-ef.com
- For accessories, refer to page 35

PRODUCT DETAILS - ETC300-GB LED LUMINAIRES

Inground uplight luminaires. IP67. IK10+. Stainless steel construction including PCS hardware. Luminaire can be driven over at low speed, max load 5 tonnes. Silicone CCG* Controlled Compression Gasket. Luminaires are 20° tiltable and 355° rotatable.

Integral EC electronic converter in thermally-shielded compartment. Advanced thermal management protects LEDs while optimising lumen output. Removable LED boards for upgrading. CAD-optimised optics for superior illumination and glare control. OLC® One LED Concept.

Factory-sealed termination chamber with cable gland and 1.5 m of flexible cable. Luminaire installation blockout and sealable junction box included in supply.

ASC® Anti Slip Coating available on request

ETC300-GB LED monochrome inground luminaire: ON/OFF, 1-10 V, DALI.

ETC300-GB TW LED tunable white inground luminaire: DALI

ETC300-GB CC LED colour changing inground luminaire: DMX, DMX wireless.

Light source:
Refer to the product pages.

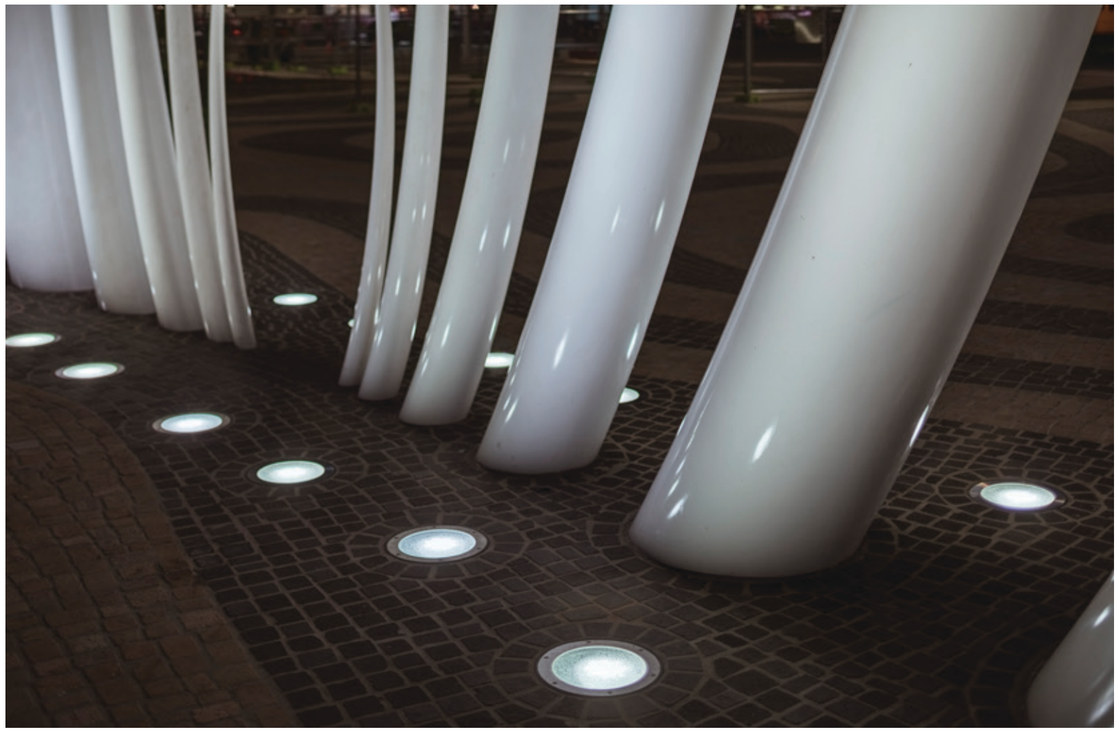
Available distributions:
ETC300-GB

[B] [M] [EE] [EES]

ETC300-GB TW & ETC300-GB CC

[B] [M]

Accessories:
Optical, page 35



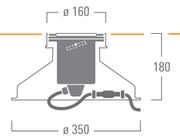
The Spanda sculpture, Perth (AU). Artist: Christian de Vietri. Lighting design: Electrolight. Photo: Jackie Chan. ETC300-GB.

[B] Symmetric, wide beam
[M] Symmetric, medium beam
[EE] Symmetric, very narrow beam
[EES] Symmetric, very narrow beam, 'sharp cut-off'

Rotation

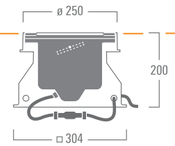
Tilt angle

ETC320-GB



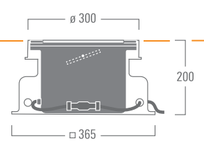
[M] [EE] [EES]
6-9 W 6 W
550-960 lm 590 lm
Max. 2 internal accessories

ETC330-GB



[B] [M] [EE] [EES]
12-18 W 12 W
1160-1960 lm 1380 lm
Max. 3 internal accessories

ETC340-GB



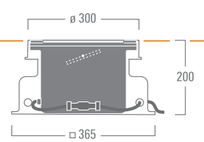
[B] [M] [EE] [EES]
24-36 W 24 W
2230-3920 lm 2570 lm
Max. 3 internal accessories

- For detailed specifications, product codes and latest performance data, refer to www.we-ef.com
- Shown above are rated lumens for 3000 K at T_q = 25°C
- For accessories, refer to page 35

[B] Symmetric, wide beam
[M] Symmetric, medium beam

Horizontal (355°) and vertical (0°-20°) aiming of the gimbal is a straightforward, intuitive task. The rock-solid mechanics help ensure precise and sustained aiming towards the target surface.

ETC340-GB TW



[B] [M]
27.5 W
2650-2770 lm
Max. 2 internal accessories

- For detailed specifications, product codes and latest performance data, refer to www.we-ef.com
- For accessories, refer to page 35

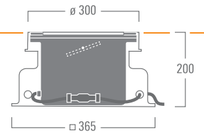
ETC300-GB CC INGROUND LUMINAIRES

[B] Symmetric, wide beam
[M] Symmetric, medium beam

Rotation

Tilt angle

ETC340-GB CC



[B] [M]
25 W
1740-1750 lm
Max. 2 internal accessories

RGBW

INGROUND LUMINAIRES

- For detailed specifications, product codes and latest performance data, refer to www.we-ef.com
- Shown above are rated lumens for 3000 K at T_q = 25°C
- For accessories, refer to page 35

Fogarty Park, Cairns (AU). Photo: Jackie Chan. ETC300-GB CC.

Internal optical accessories

Max. 1-2 accessories depending on luminaire

Wallwash lens
for [M], fixed-optics versions only

Honeycomb louvre
for [M] [EE] [EES]

Linear louvre
for [B] [M] [EE] [EES]

Flood lens
for [M] [EE] [EES]

Linear spread lens
for [M] [EE] [EES]

Optical adaptor
holds any of the above accessories,
for gimbal versions only

Mounting accessories

Installation cover
recommended

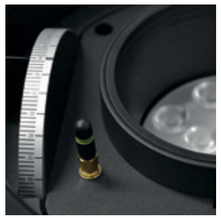
Installation blockout
included in luminaire supply

Sealable junction box
included in luminaire supply

The RheinMain CongressCenter, Wiesbaden (D). Architect: Ferdinand Heide Architect BDA. Lighting design: Day&Light Lichtplanung. Photo: Frieder Blickle. ETC300.

Hardwired vs. wireless DMX

Each ETC300 CC Colour Changer features a DMX control interface. While the standard luminaires require a hardwired connection, dedicated ETC300-GB CC / ETC300-FS CC versions for wireless data transmission are available on request. Such a requirement must be specified at the time of ordering. WE-EF can assist with the selection of third-party support equipment such as DMX controllers etc.



DMX Wireless Antenna

DMX Wireless Transceiver

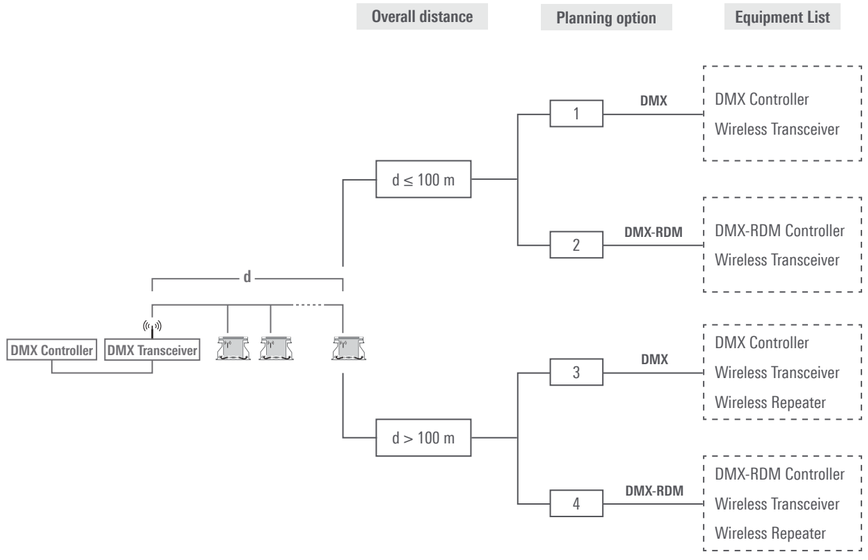
Wireless transmission of signal up to 100 m for inground luminaires

DMX Wireless Repeater

Amplifies and extends range of DMX signal

Planning a wireless DMX system

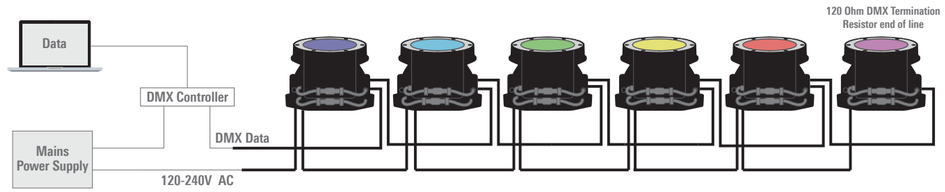
This simple planning guide takes into consideration the overall distance to be covered between the main transceiver at the control station and the last luminaire as well as the requirement for either standard DMX control or DMX-RDM.



INGROUND LUMINAIRES

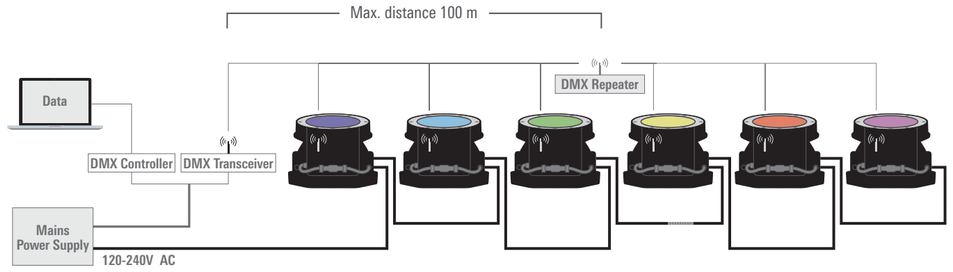
ETC300 CC Colour Changer, hardwired for DMX data communication

This standard luminaire version is supplied with a sealable junction box, for the connection of both, mains power supply and DMX data cables.



ETC300 CC Colour Changer for wireless DMX data communication - ideal for retrofits

This optional luminaire variant is equipped with an antenna and a transceiver. Depending on the number of luminaires used as well as the distance and topography, a maximum of one wireless repeater may be used for amplified and extended data transmission.



▪ Other accessories, available on request

This section is intended as an overview only.

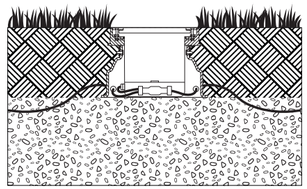
For exact step-by-step installation instructions please refer to www.we-ef.com (ETC300 product pages) or contact WE-EF.

The luminaires must be installed and maintained by a suitably qualified person in compliance with the latest applicable regulations and relevant legislation.

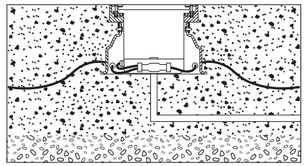
Important:
! Do not use high-pressure cleaners for cleaning of inground luminaires.
! Ensure that proper drainage is provided for installation in landscape areas, sand with gravel base, and in paved areas, concrete with gravel base.
! For proper installation, use the supplied installation blockout.

Maintenance
Apart from cleaning the outside of the luminaire, no special maintenance is necessary.

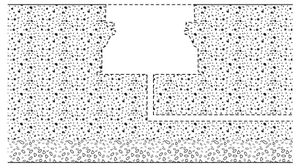
DRAINAGE REQUIREMETNS



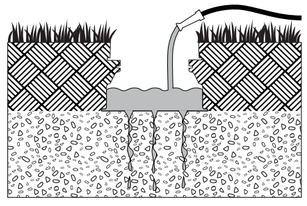
1. Ensure that proper drainage is provided for the shown installation methods:
a) In landscape/paved areas, sand or concrete with gravel base (Fig. I).



b) With fully concreted installation, drainage piping must be provided (Fig. II).



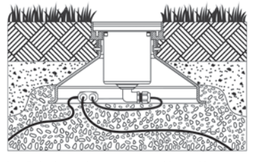
2. Ensure a suitable recess.



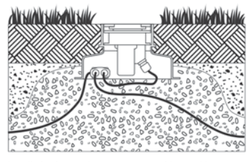
3. Test drainage (ensure water drains within 30 mins, Warning: warranty void if luminaire installed without appropriate drainage).

ETC300-FS/ETC309-FS INGROUND LUMINAIRES

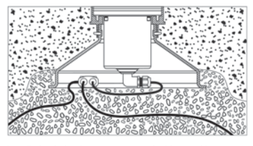
Important:
! This product is factory-sealed. Do not open during installation.



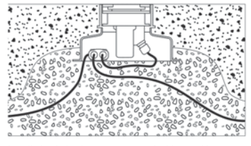
Installation in paved areas, concrete with gravel base



Installation in paved areas, concrete with gravel base



Installation in landscape areas, sand with gravel base



Installation in landscape areas, sand with gravel base

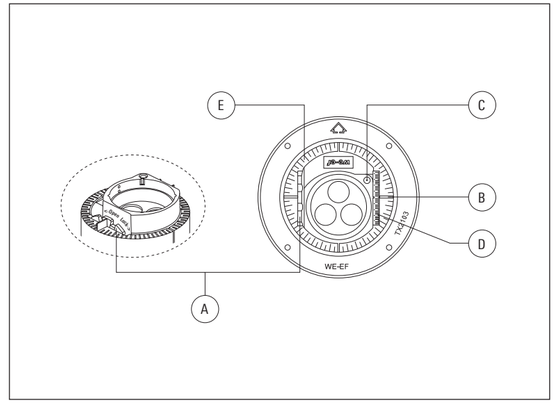
2. Ensure a suitable recess.

ETC300-GB INGROUND LUMINAIRES

Important:
! Do not open luminaire while mains supply is switched on.

AIMING OF ETC300-GB INGROUND LUMINAIRES

1. Insert a standard tool into a slot on locking wheel A.
Rotate locking wheel A in the 'OPEN' direction until gimbal can be moved.
To horizontally aim the gimbal (Rotation 355°): Hold fins B to rotate the gimbal.
Use the horizontal protractor E for aiming if required.
To vertically aim the gimbal (Tilt 0-20°): Insert screw driver into hole C.
Adjust gimbal to desired angle with the help of the protractor scale D.
Note: Angle can be adjusted in 2° increments.
2. Insert screw driver into a slot on locking wheel A.
Rotate locking wheel A in the 'LOCK' direction until the gimbal is firmly secured.
Warning: Do not tighten more than necessary to secure gimbal.
3. Ensure all surfaces are clean and dry. Reposition the lens and gasket assembly, the luminaire glass cover and the screws onto the luminaire housing.
Note: Do not tighten the screws at this step. Switch on mains electrical supply and operate the luminaire for approximately 30 minutes to dry any moisture. Fully tighten the screws to seal the luminaire. Switch off the luminaire.

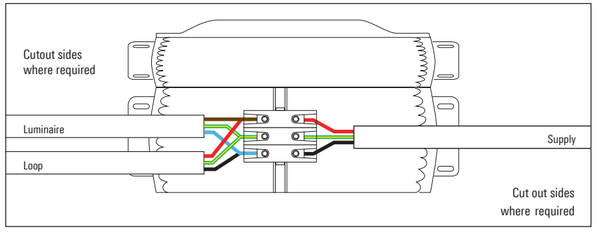


UNDERGROUND CABLE CONNECTION FOR WE-EF INGROUND LUMINAIRES

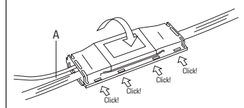
A single-use IP68 gel junction box is supplied with all WE-EF inground luminaires.

IMPORTANT:
! The correct installation of the junction box is crucial to the protection of the luminaire against moisture ingress.
! The supplied gel junction box is not to be reused.
! The supplied gel junction box is for the use with maximum of two 5 core 1.5 mm² to 4 mm²) circular or flat TPS cables (flat cable shown) only.

Supply:
Non-dimmable, 1-10V and DALI versions – 1 junction box
DMX – 2 junction boxes (1 – for power, 1 – for DMX cable)

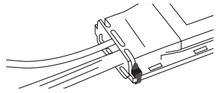


1. Click closed the junction box

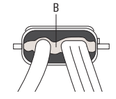


* Separate A – Do not lay cables on top of each other

3. Cable ties are for locking case at end

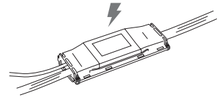


2. Ensure gel dispersion



B – Be sure to have gel dispersion between cables

4. Power up



Watch a step-by-step installation guide for the IP68 gel junction box, using the QR code.
Or here is a short link: https://goo.gl/gqn58C

INGROUND LUMINAIRES

AUS / NZ EDITION

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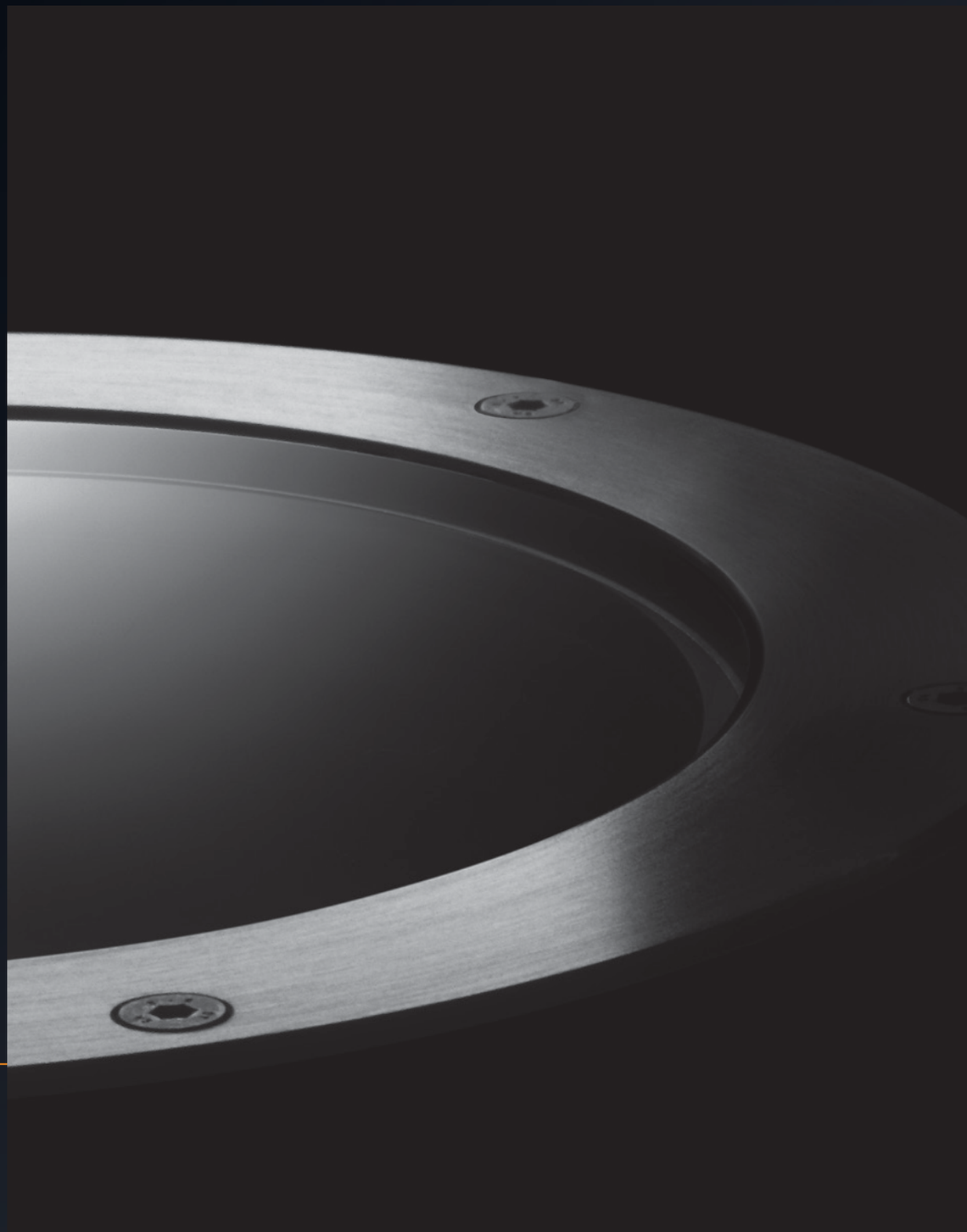
Braeside, Victoria 3195
Australia
Tel +61 3 8587 0444
Fax +61 3 8587 0499
www.we-ef.com



ETC300 Series
Inground luminaires
Australia / NZ Edition