Kingfisher Lighting

A division of the LUCECO group

Datasheet



INGROUND Series

Specification Text

The INGROUND range shall be manufactured from die-cast aluminium with stainless steel trim. It shall have a power output ranging from 2 - 20W, with an efficacy of up to 144lm/W. It shall deliver 150 - 2000 luminaire lumens. The INGROUND is available with a range of different beam angles and sizes from 25 - 260mm to suit a wide variety of projects. Available in 3000K and 4000K or RGBW, the luminaire shall be IK10 and IP67 rated, with a drive over rating up to 5000kg available.

Specification

Weight:	0.4 kg - 9.7 kg
Material:	Stainless Steel
Paint Finish:	Stainless Steel

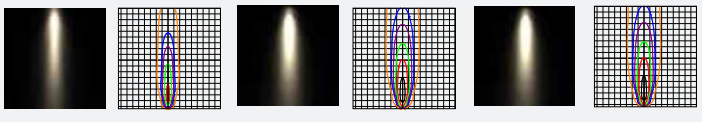
Product Description

The INGROUND Series is a versatile solution for all architectural areas. These high quality uplighters come in a variety of sizes with tier one components.

Key Features

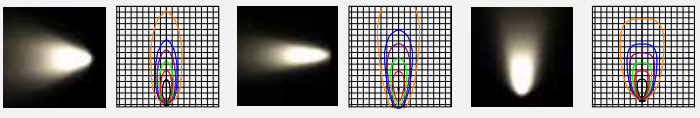
- 2.0W - 20.0W
- 150 - 2,000 Luminaire Lumens
- Efficacy up to 144 lm/W
- 3000K, 4000K, CRI >70, CRI >80
- IP65, IP66, IP67, IK07, IK08, IK09, IK10
- Lifetime < 60,000 hrs, L80
- RGB Capabilities
- Static Load Capacity up to 5000kg
- Controls Compatible

Optics


Symmetrical 10°

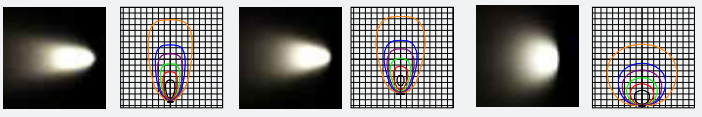
Symmetrical 14°

Symmetrical 15°


Symmetrical 22°

Symmetrical 24°

Symmetrical 30°


Symmetrical 38°

Symmetrical 47°

Symmetrical 91°

IP65 IP66 IP67 IK07 IK08 IK09 IK10

Colour Temperature | 5 YEARS WARRANTY | 60,000 hrs LIFETIME

Other Options Available

Contact for further details

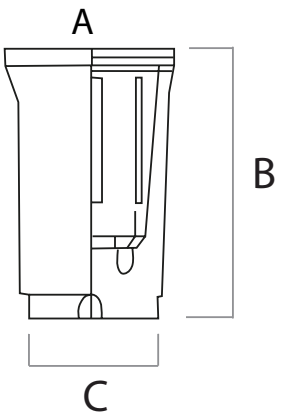
- Colour Temperatures: 3000K, 4000K

Mounting Options

- Recessed and Wall Mount

Body Type	A	B	C
INGROUND 25	34	95	110
INGROUND 55	64	95	110
INGROUND 90	112	134	190
INGROUND 110 Short	119	73	190
INGROUND 180 Short	195	122	135
INGROUND 260	275	275	416

All measurements in mm



Code	Power (W)	Luminaire Lumens	Drive Current	Optic	CCT(K)	IP	IK	Weight (kg)	Driver Included	Driver Type
ING25-AB-DR-SY22-840-2-30	2	225.0	-	Symmetrical 22°	4000	IP66	IK08	0.37	No	Fixed
ING25-AB-DR-SY50-840-2-30	2	150.0	-	Symmetrical 50°	4000	IP66	IK09	0.37	No	Fixed
ING55-AB-DR-SY25-840-4-30	4	450	350	Symmetrical 25°	4000	IP66	IK08	0.67	No	Fixed
ING55-AB-DR-SY46-840-4-30	4	400	350	Symmetrical 46°	4000	IP65	IK08	0.67	No	Fixed
ING90-AB-DR-SY14-840-12-30	12.0	1,650	350	Symmetrical 14°	4000	IP66	IK08	1.9	No	Fixed
ING90-AB-DR-SY30-840-12-30	12.0	1,350	350	Symmetrical 30°	4000	IP66	IK08	1.9	No	Fixed
ING90-AB-DR-SY80-840-12-30	12.0	1,350	350	Symmetrical 80°	4000	IP66	IK08	1.9	No	Fixed
ING110S-AB-DR-SY10-840-4-30	4.0	575	350	Symmetrical 10°	4000	IP66	IK08	0.84	No	Fixed
ING110S-AB-DR-SY24-840-4-30	4.0	575	350	Symmetrical 24°	4000	IP66	IK08	0.84	No	Fixed
ING110S-AB-DR-SY47-840-4-30	4.0	575	350	Symmetrical 47°	4000	IP66	IK08	0.84	No	Fixed
ING180S-AB-SY15-840-12-30	12.0	1,150	350	Symmetrical	4000	IP66	IK10	2.2	Yes	Fixed
ING180S-AB-SY29-840-11-30	11.0	950	-	Symmetrical	4000	IP67	IK07	2.2	Yes	Fixed
ING180S-AB-SY91-840-11-30	11.0	725	-	Symmetrical 91°	4000	IP67	IK10	2.2	Yes	Fixed
ING260-AB-SY10-840-20-30	20.0	2,000	350	Symmetrical 10°	4000	IP65	IK08	9.66	Yes	Fixed
ING260-AB-SY38-840-20-30	20.0	1,850	350	Symmetrical 38°	4000	IP66	IK09	9.66	Yes	Fixed
ING260-AB-SY65-840-20-30	20.0	1,750	350	Symmetrical 65°	4000	IP66	IK07	5.9	Yes	Fixed

Request for custom 3000K fitting

BEGA

24 355

Wall luminaire

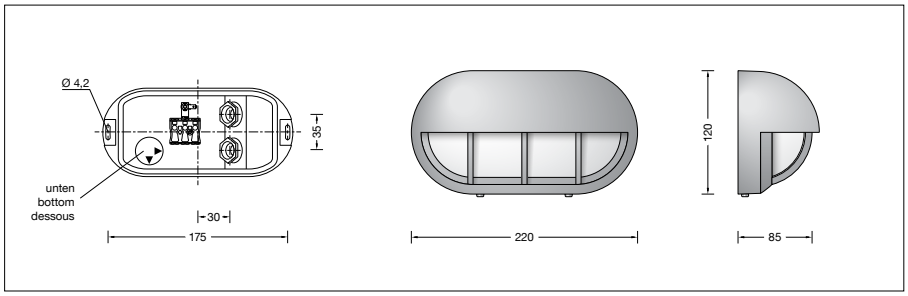
IP 65

Project · Reference number

Date

Product data sheet





Application
Shielded wall luminiaire with high protection class.

Product description
Luminaire made of aluminium alloy, aluminium and stainless steel
BEGA Unidure® coating technology
Colour graphite or silver
Crystal glass, white inside
2 mounting holes ø 4.2 mm
Distance apart 175 mm
2 screw cable glands with strain relief for through-wiring power connecting cable ø 7–12 mm
1 screw cable gland closed at the factory with a dummy plug
Connecting terminal and earth conductor terminal 2.5□
Complies with flicker requirements in accordance with IEEE 1789, DIN IEC/TR 63158, DIN IEC/TR 61547-1
LED power supply unit
220-240 V ∿ 0/50-60 Hz
DC 176-264 V
BEGA Thermal Switch®
Temporary thermal shutdown to protect temperature-sensitive components
Safety class I
Protection class IP 65
Dust-tight and protection against water jets
Impact strength IK07
Protection against mechanical impacts < 2 joule
– Safety mark
CE – Conformity mark
Weight: 1.3 kg
This product contains light sources of energy efficiency class(es) C

Lamp

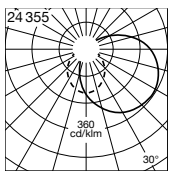
Module connected wattage	4 W
Luminaire connected wattage	5.1 W
Module designation	LED-1157/83040
Colour rendering index	CRI > 80
Rated temperature	t_a = 25 °C
Ambient temperature	$t_{a\,max}$ = 50 °C

The colour temperature of the luminaire can be set optionally to 3000 K (factory setting) and 4000 K.

Operation at colour temperature	3000 K
Module luminous flux	695 lm
Luminaire luminous flux	226 lm
Luminaire luminous efficiency	44,3 lm/W

Operation at colour temperature	4000 K
Module luminous flux	705 lm
Luminaire luminous flux	230 lm
Luminaire luminous efficiency	45,1 lm/W

Light distribution



Service life · Ambient temperature
Rated temperature t_a = 25 °C
LED psu: > 50,000 h
LED module: > 200,000 h (L 80 B 50)
100,000 h (L 90 B 50)

Ambient temperature max. t_a = 50 °C (100 %)
LED psu: 50,000 h
LED module: 150,000 h (L 80 B 50)

Lighting technology
Luminaire data for the DIALux lighting design program for outdoor lighting, street lighting and indoor lighting, as well as luminaire data in EULUMDAT and IES format are available on the BEGA website at www.bega.com.

Ratio of luminous flux

Luminous flux upper half-space	18,4 %
Luminous flux lower half-space	81,6 %

BUG rating according to IES TM-15-20:
0–2–1
CEN Flux Code according to EN 13032-2:
33–60–82–82–100–0–9–42–18

Inrush current
Inrush current: 10 A / 100 µs
Maximum number of luminaires of this type per miniature circuit breaker:
B 10 A: 176 luminaires
B 16 A: 308 luminaires
C 10 A: 308 luminaires
C 16 A: 528 luminaires

Accessories
13 640 Mounting frame for surface-mounted electrical installations

A separate instructions for use can be provided upon request.

Article No. 24 355
Colour graphite or silver
graphite – article number
silver – article number + **A**

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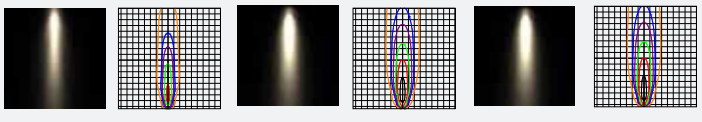
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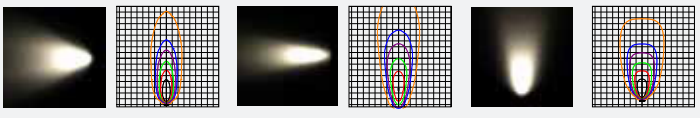
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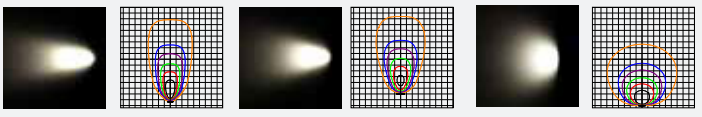
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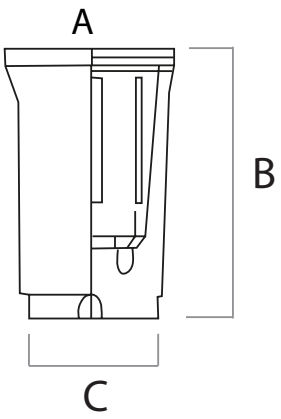
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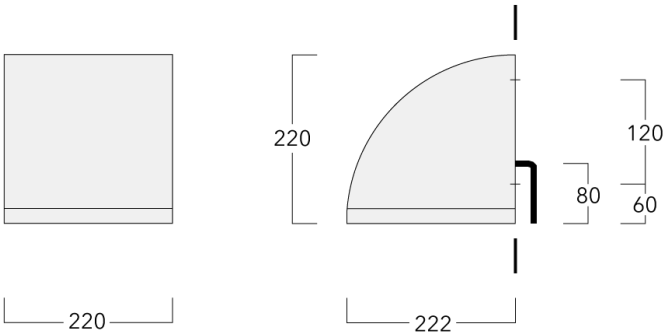
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Request for custom 3000K fitting



Fagerhult Lighting Ltd
33-34 Dolben Street, SE1 0UQ London, United Kingdom
https://we-ef.com/uk





Description

IP65, Class I. Class II on request. IK07. Marine-grade, die-cast aluminium alloy. 5CE superior corrosion protection including PCS hardware. Silicone CCG® Controlled Compression Gasket. Safety glass lens. Two cable entries. Integral EC electronic converter. CAD-optimised optics for superior illumination and glare control. OLC® One LED Concept. Factory installed LED circuit board. 1-10V or DALI interface on request. Optional 2200 K version available. To be specified at time of ordering.

Can be mounted up or down.

Version with emergency lighting on request.

Specifications

Material description

Body	Marine-grade die-cast aluminium alloy
Lens	Safety glass lens
Colours	RAL9004 Signal black; RAL9006 White aluminium; RAL9016 Traffic white; RAL7016 Anthracite grey; RAL9007 Grey aluminium
Gasket	Silicone CCG® Controlled Compression Gasket
Fasteners	PCS Polymer Coated Stainless Steel Hardware
Ingress protection	IP65
Impact resistance	IK07
Corrosion resistance	5CE

Electrical description

Power supply	220-240V / 50-60 Hz
Driver / Ballast	Standard. Optional DALI version available. To be specified at time of ordering.
Surge protection	1/2 kV (optional SP10)
Energy efficiency	C-D (Light source)

Additional information

Lifetime	Ta=25° L90B10 > 90000h

Options

Light distribution



[M] symmetric, medium beam



[EES] symmetric, very narrow beam, sharp cut-off

Colour temperature

3000K

4000K

2700K

Nominal Watt

12 W

18 W

Configurations

Light distribution	Part ID	Light source	Rated lumens	Rated input power	CRI
 [EES] symmetric, very narrow beam, sharp cut-off	132-0635	LED-12/12W/2700K	1539 lm	12 W	80
	132-0524	LED-12/12W/3000K	1645.1 lm	12 W	80
	132-0525	LED-12/12W/4000K	1804.3 lm	12 W	80
	132-0636	LED-12/18W/2700K	2122.7 lm	18 W	80
	132-0534	LED-12/18W/3000K	2281.9 lm	18 W	80
	132-0535	LED-12/18W/4000K	2441.1 lm	18 W	80
 [M] symmetric, medium beam	132-0633	LED-12/12W/2700K	1499.3 lm	12 W	80
	132-0522	LED-12/12W/3000K	1602.7 lm	12 W	80
	132-0523	LED-12/12W/4000K	1757.8 lm	12 W	80
	132-0634	LED-12/18W/2700K	2068 lm	18 W	80
	132-0532	LED-12/18W/3000K	2223.1 lm	18 W	80
	132-0533	LED-12/18W/4000K	2378.2 lm	18 W	80