DATASHEET

Made in Italy

Combina D 2.0, code: CC2020100090L0
Recessed for indoor applications

CE UKCA EHC (LED TECH) ⬦III 0,50 kg IP40 IP44 with filter 🌈 ⊤ A↕G F⟩

Ø61

122

Ø67
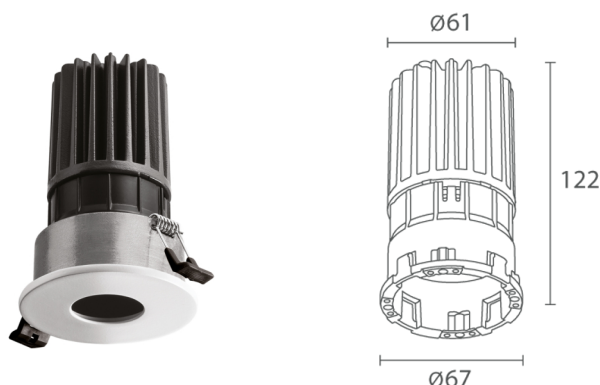
DESCRIPTION

recessed downlight for indoor applications; recessed (ceiling); Power consumption: max 11W; Power supply: max 300mA; Lumen output at source: 960 lm (3000K, 300mA, CRI >90); Delivered lumen output: 756 lm (3000K, 300mA, 36°, CRI >90); 1 power LED High Intensity, 2-step MacAdam, 50 000h L90 B10 (Ta 25°C); LED colour: 4000K; Optics: 36°: optical system consisting of a deep-set, high-efficiency TIR lens; CRI Colour Rendering Index: >90; Body material: body made of low-copper-content die-cast aluminium alloy EN AB 46100, for excellent corrosion resistance, and flame-retardant Bayblend. Trim and cover made of low-copper-content die-cast aluminium alloy EN AB 46100 for excellent resistance to corrosion; RAL finish on request; power supply unit not included; Wiring: series; includes 2x0.30 m single-core cables; Control system: dimming via dimmable driver; Ingress protection: IP40, IP44 with filter; UGR <13 for versions with flat and shallow covers, UGR <19 for versions with deep cover; Easy to wire. The electrical cables can be attached directly to the connector, making the product easier to install; Casambi control using the Casambi app with dedicated electronics; Operating temperature: 0°C — +45°C; Appliance class: class III; Weight: 500 gr; Dimensions: ø85 mm / 85x85 mm; Energy efficiency class: F (light source) in accordance with EU 2019/2015; Accessories: WGCC20A1F Round bezel, WGCC20A1T Round bezel, WGCC20A2F Square bezel, WGCC20A2T Square bezel, WHCC20A1 Honeycomb louvre, WHCC20A2 Honeycomb louvre, WRCC20R1D Diffuser filter, WRCC20R1T Transparent IP44 screen, WRCC20R1W Elliptical filter, WRCC20S1D Diffuser filter, WRCC20S1T Transparent IP44 screen, WRCC20S1W Elliptical filter, WZCC20108 Flat, round cover, WZCC2010E Flat, round cover, WZCC2010N Flat, round cover, WZCC2010Z Flat, round cover, WZCC20208 Flat, square cover, WZCC2020E Flat, square cover, WZCC2020N Flat, square cover, WZCC2020Z Flat, square cover, WZCC20308 Shallow, round cover, WZCC2030E Shallow, round cover, WZCC2030N Shallow, round cover, WZCC2030Z Shallow, round cover, WZCC20408 Shallow, square cover, WZCC2040E Shallow, square cover, WZCC2040N Shallow, square cover, WZCC2040Z Shallow, square cover, WZCC20508 Deep, round cover, WZCC2050E Deep, round cover, WZCC2050N Deep, round cover, WZCC2050Z Deep, round cover, WZCC20608 Deep, square cover, WZCC2060E Deep, square cover, WZCC2060N Deep, square cover, WZCC2060Z Deep, square cover; tested and approved via E.O.L. (End Of Line) test with functioning test and check of electrical power consumption

Status: Available

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1/7

ELECTRICAL CHARACTERISTICS

Power consumption	max 11W
Power supply	max 300mA
Power supply unit	power supply unit not included
Control system	dimming via dimmable driver
Wiring	series

LIGHTING CHARACTERISTICS

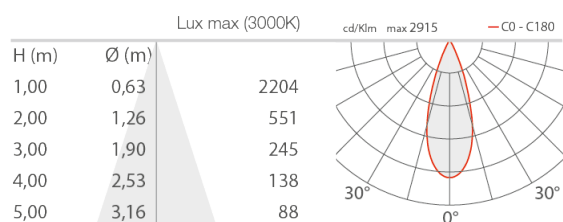|	
Number and type of LED	1 power LED High Intensity
Average LED life	50 000h L90 B10 (Ta 25°C)
LED colour	4000K
CRI Colour Rendering Index	>90
Binning	2-step MacAdam
Optics	36°
Lumen output at source	960 lm (3000K, 300mA, CRI >90)
Delivered lumen output	756 lm (3000K, 300mA, 36°, CRI >90)

MECHANICAL CHARACTERISTICS

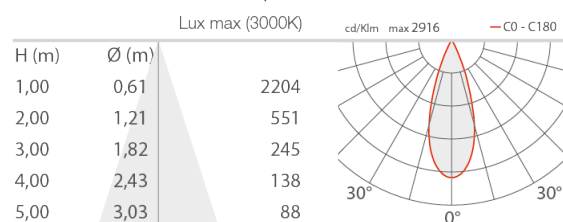|	
Dimensions	ø85 mm / 85x85 mm
Weight	500 gr
Body material	body in die-cast aluminium and Bayblend, bezel and cover in die-cast aluminium

GENERAL CHARACTERISTICS

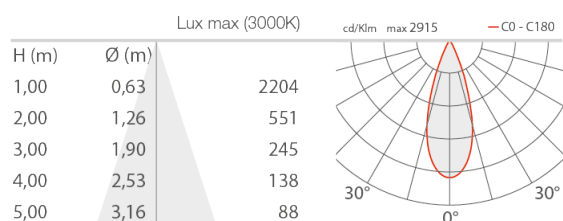|	
Ingress protection	IP40, IP44 with filter
Operating temperature	0°C — +45°C
Features	UGR <13 for versions with flat and shallow covers, UGR <19 for versions with deep cover
Energy efficiency class	F (light source) in accordance with EU 2019/2015
Appliance class	class III
Walkover	no
Drive-over	no
Power cables	includes 2x0.30 m single-core cables
Notes	Easy to wire. The electrical cables can be attached directly to the connector, making the product easier to install; Casambi control using the Casambi app with dedicated electronics

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2/7

PHOTOMETRIC DATA

L - 36° CRI 90 flat, round cover

Lux max (3000K)   cd/Klm max 2915   — C0 - C180

H (m)	Ø (m)	
1,00	0,63	2204
2,00	1,26	551
3,00	1,90	245
4,00	2,53	138
5,00	3,16	88

L - 36° CRI 90 flat, square cover

Lux max (3000K)   cd/Klm max 2916   — C0 - C180

H (m)	Ø (m)	
1,00	0,61	2204
2,00	1,21	551
3,00	1,82	245
4,00	2,43	138
5,00	3,03	88

L - 36° CRI 90 shallow, round cover

Lux max (3000K)   cd/Klm max 2915   — C0 - C180

H (m)	Ø (m)	
1,00	0,63	2204
2,00	1,26	551
3,00	1,90	245
4,00	2,53	138
5,00	3,16	88

L - 36° CRI 90 shallow, square cover

Lux max (3000K)   cd/Klm max 2916   — C0 - C180

H (m)	Ø (m)	
1,00	0,61	2204
2,00	1,21	551
3,00	1,82	245
4,00	2,43	138
5,00	3,03	88
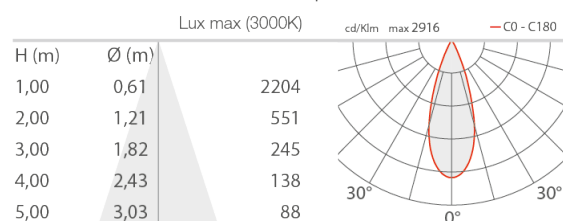
L - 36° CRI 90 deep, round cover

Lux max (3000K)   cd/Klm max 2583   — C0 - C180

H (m)	Ø (m)	
1,00	0,64	2343
2,00	1,29	586
3,00	1,93	260
4,00	2,58	146
5,00	3,22	94
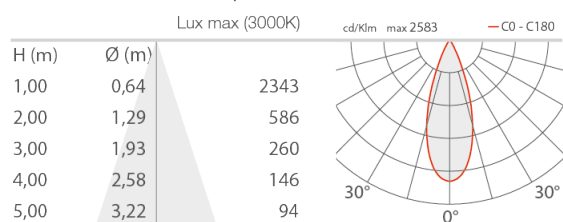
L - 36° CRI 90 deep, square cover

Lux max (3000K)   cd/Klm max 2583   — C0 - C180

H (m)	Ø (m)	
1,00	0,64	2343
2,00	1,28	586
3,00	1,92	260
4,00	2,55	146
5,00	3,19	94
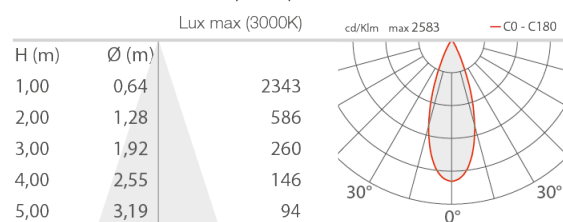
ACCESSORIES

Installation Accessories

WGCC20A1F
Round bezel
for installation flush with ceiling
Required installation accessories, not included

WGCC20A1T
Round bezel
for rebated installation
Required installation accessories, not included

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3/7

WGCC20A2F
Square bezel
for installation flush with ceiling
Required installation accessories, not included

WGCC20A2T
Square bezel
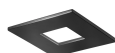for rebated installation
Required installion accessories, not included

WZCC20108
Flat, round cover
primer
The paints that can be used on primed lighting fixtures are the same ones that are suitable for use on masonry surfaces, i.e: two-pack polyurethane varnishes, two-pack acrylic paints
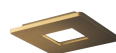Required installation accessories, not included

WZCC2010E
Flat, round cover
white
Required installation accessories, not included

WZCC2010N
Flat, round cover
black
Required installation accessories, not included

WZCC2010Z
Flat, round cover
antique bronze
Required installation accessories, not included

WZCC20208
Flat, square cover
primer
The paints that can be used on primed lighting fixtures are the same ones that are suitable for use on masonry surfaces, i.e: two-pack polyurethane varnishes, two-pack acrylic paints
Required installation accessories, not included
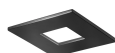
WZCC2020E
Flat, square cover
white
Required installation accessories, not included
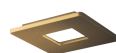
WZCC2020N
Flat, square cover
black
Required installation accessories, not included

WZCC2020Z
Flat, square cover
antique bronze
Required installation accessories, not included

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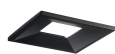T +39 0444 36 05 71 / E lucelight@lucelight.it / www.lucelight.it

4/7

WZCC20308
Shallow, round cover
primer
The paints that can be used on primed lighting fixtures are the same ones that are suitable for use on masonry surfaces, i.e: two-pack polyurethane varnishes, two-pack acrylic paints
Required installation accessories, not included

WZCC2030E
Shallow, round cover
white
Required installation accessories, not included

WZCC2030N
Shallow, round cover
black
Required installation accessories, not included

WZCC2030Z
Shallow, round cover
antique bronze
Required installation accessories, not included

WZCC20408
Shallow, square cover
primer
The paints that can be used on primed lighting fixtures are the same ones that are suitable for use on masonry surfaces, i.e: two-pack polyurethane varnishes, two-pack acrylic paints
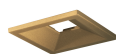Required installation accessories, not included

WZCC2040E
Shallow, square cover
white
Required installation accessories, not included

WZCC2040N
Shallow, square cover
black
Required installation accessories, not included

WZCC2040Z
Shallow, square cover
antique bronze
Required installation accessories, not included

WZCC20508
Deep, round cover
primer

WZCC2050E
Deep, round cover
white

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5/7

The paints that can be used on primed lighting fixtures are the same ones that are suitable for use on masonry surfaces, i.e: two-pack polyurethane varnishes, two-pack acrylic paints
Required installation accessories, not included

Required installation accessories, not included

WZCC2050N
Deep, round cover
black
Required installation accessories, not included

WZCC2050Z
Deep, round cover
antique bronze
Required installation accessories, not included

WZCC20608
Deep, square cover
primer
The paints that can be used on primed lighting fixtures are the same ones that are suitable for use on masonry surfaces, i.e: two-pack polyurethane varnishes, two-pack acrylic paints
Required installation accessories, not included

WZCC2060E
Deep, square cover
white
Required installation accessories, not included
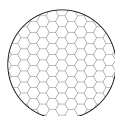
WZCC2060N
Deep, square cover
black
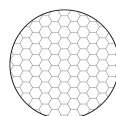Required installation accessories, not included

WZCC2060Z
Deep, square cover
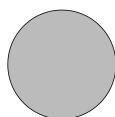antique bronze
Required installation accessories, not included

Anti-glare

WHCC20A1
Honeycomb louvre
round cover: flat, shallow, deep
square cover: deep
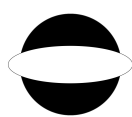
WHCC20A2
Honeycomb louvre
square cover: flat, shallow

Optical Accessories

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6/7

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WRCC20R1D
Diffuser filter
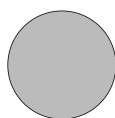round cover: flat, shallow, deep
square cover: deep

WRCC20R1W
Elliptical filter
Adding the filter changes the light output: please consult the photometric data.
round cover: flat, shallow, deep
square cover: deep

WRCC20S1D
Diffuser filter
square cover: flat, shallow

WRCC20S1W
Elliptical filter
Adding the filter changes the light output: please consult the photometric data.

square cover: flat, shallow

Other

WRCC20R1T
Transparent IP44 screen
round cover: flat, shallow, deep
square cover: deep

WRCC20S1T
Transparent IP44 screen
square cover: flat, shallow

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7/7