# DATASHEET

Made in Italy

## Combina D 3.0, code: CC3020100090L0
Recessed for indoor applications

CE  UK CA  EHC  LED TECH  ⬦III  ⬓ 0,90 kg   IP40   IP44 with filter   🌈 ⊤ A↑G F ›



Ø90 · 135 · Ø110
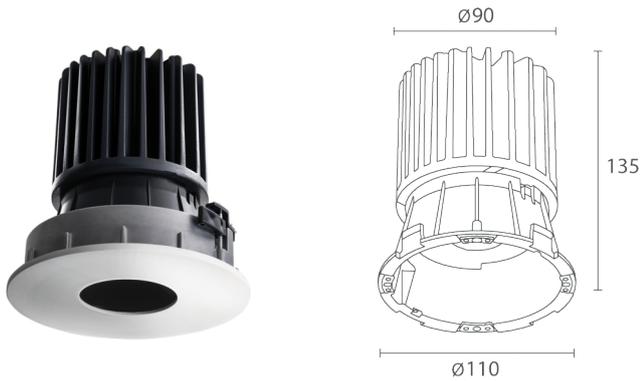
## DESCRIPTION

recessed downlight for indoor applications; recessed (ceiling); Power consumption: max 15W; Power supply: max 400mA; Lumen output at source: 1349 lm (3000K, 400mA, CRI >90); Delivered lumen output: 1094 lm (3000K, 400mA, 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 PVC 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: 900 gr; Dimensions: ø136 mm / 136x136 mm; Energy efficiency class: F (light source) in accordance with EU 2019/2015; Accessories: WGCC30A1F Round bezel, WGCC30A1T Round bezel, WGCC30A2F Square bezel, WGCC30A2T Square bezel, WHCC30A1 Honeycomb louvre, WRCC30R1D Diffuser filter, WRCC30R1T Transparent IP44 screen, WRCC30R1W Elliptical filter, WZCC30108 Flat, round cover, WZCC3010E Flat, round cover, WZCC3010N Flat, round cover, WZCC3010Z Flat, round cover, WZCC30208 Flat, square cover, WZCC3020E Flat, square cover, WZCC3020N Flat, square cover, WZCC3020Z Flat, square cover, WZCC30308 Shallow, round cover, WZCC3030E Shallow, round cover, WZCC3030N Shallow, round cover, WZCC3030Z Shallow, round cover, WZCC30408 Shallow, square cover, WZCC3040E Shallow, square cover, WZCC3040N Shallow, square cover, WZCC3040Z Shallow, square cover, WZCC30508 Deep, round cover, WZCC3050E Deep, round cover, WZCC3050N Deep, round cover, WZCC3050Z Deep, round cover, WZCC30608 Deep, square cover, WZCC3060E Deep, square cover, WZCC3060N Deep, square cover, WZCC3060Z Deep, square cover; tested and approved via E.O.L. (End Of Line) test with functioning test and check of electrical power consumption

Status: Product being discontinued

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## ELECTRICAL CHARACTERISTICS

| | |
|---|---|
| Power consumption | max 15W |
| Power supply | max 400mA |
| Power supply unit | power supply unit not included |
| Control system | dimming via dimmable driver |
| Wiring | series |

## LIGHTING CHARACTERISTICS

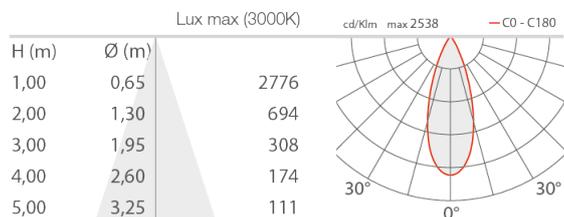| | |
|---|---|
| Number and type of LED | 1 power LED High Intensity |
| Average LED life | 50 000h L90 B10 (Ta 25°C) |
| LED colour | 4000K |
| CRI Colour Rendering Index | >90 |
| Binning | 2-step MacAdam |
| Optics | 36° |
| Lumen output at source | 1349 lm (3000K, 400mA, CRI >90) |
| Delivered lumen output | 1094 lm (3000K, 400mA, 36°, CRI >90) |

## MECHANICAL CHARACTERISTICS

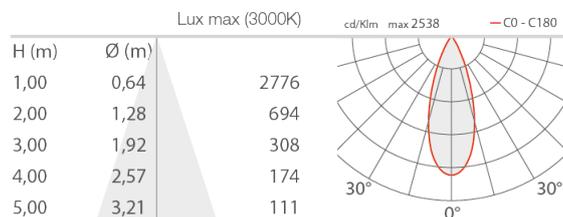| | |
|---|---|
| Dimensions | ø136 mm / 136x136 mm |
| Weight | 900 gr |
| Body material | body in die-cast aluminium and Bayblend, bezel and cover in die-cast aluminium |

## 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 PVC 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 |

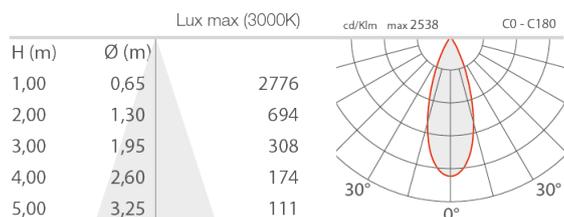L&L Luce&Light srl / via Trescalini, 5 / 36031 Dueville, Vicenza / Italy
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## PHOTOMETRIC DATA

### **L** - 36° CRI 90 flat, round cover

Lux max (3000K)    cd/Klm max 2538    — C0 - C180

| H (m) | Ø (m) | |
|-------|-------|------|
| 1,00 | 0,65 | 2776 |
| 2,00 | 1,30 | 694 |
| 3,00 | 1,95 | 308 |
| 4,00 | 2,60 | 174 |
| 5,00 | 3,25 | 111 |

### **L** - 36° CRI 90 flat, square cover

Lux max (3000K)    cd/Klm max 2538    — C0 - C180

| H (m) | Ø (m) | |
|-------|-------|------|
| 1,00 | 0,64 | 2776 |
| 2,00 | 1,28 | 694 |
| 3,00 | 1,92 | 308 |
| 4,00 | 2,57 | 174 |
| 5,00 | 3,21 | 111 |

### **L** - 36° CRI 90 shallow, round cover

Lux max (3000K)    cd/Klm max 2538    C0 - C180

| H (m) | Ø (m) | |
|-------|-------|------|
| 1,00 | 0,65 | 2776 |
| 2,00 | 1,30 | 694 |
| 3,00 | 1,95 | 308 |
| 4,00 | 2,60 | 174 |
| 5,00 | 3,25 | 111 |

### **L** - 36° CRI 90 shallow, square cover

Lux max (3000K)    cd/Klm max 2538    — C0 - C180

| H (m) | Ø (m) | |
|-------|-------|------|
| 1,00 | 0,64 | 2776 |
| 2,00 | 1,28 | 694 |
| 3,00 | 1,92 | 308 |
| 4,00 | 2,57 | 174 |
| 5,00 | 3,21 | 111 |
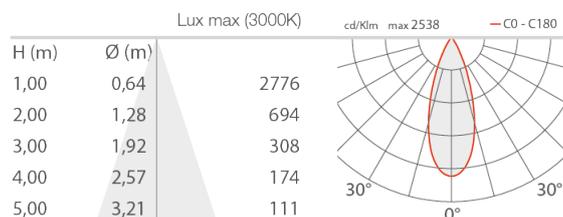
### **L** - 36° CRI 90 deep, round cover

Lux max (3000K)    cd/Klm max 2374    — C0 - C180

| H (m) | Ø (m) | |
|-------|-------|------|
| 1,00 | 0,65 | 2797 |
| 2,00 | 1,30 | 699 |
| 3,00 | 1,95 | 311 |
| 4,00 | 2,60 | 175 |
| 5,00 | 3,24 | 112 |
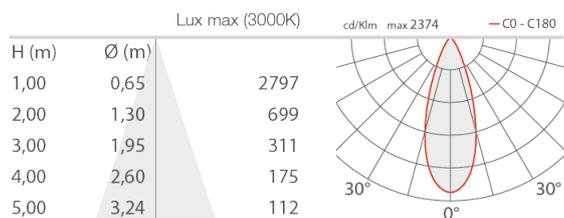
### **L** - 36° CRI 90 deep, square cover

Lux max (3000K)    cd/Klm max 2374    — C0 - C180

| H (m) | Ø (m) | |
|-------|-------|------|
| 1,00 | 0,64 | 2795 |
| 2,00 | 1,28 | 699 |
| 3,00 | 1,92 | 311 |
| 4,00 | 2,56 | 175 |
| 5,00 | 3,20 | 112 |
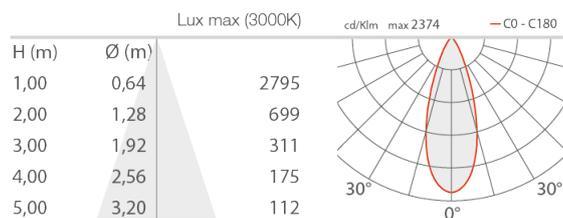
## ACCESSORIES

### Installation Accessories

**WGCC30A1F**
Round bezel
for installation flush with ceiling
Required installation accessories, not included

**WGCC30A1T**
Round bezel
for rebated installation
Required installation accessories, not included

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## WGCC30A2F
Square bezel
for installation flush with ceiling
Required installation accessories, not included

## WGCC30A2T
Square bezel
for rebated installation
Required installation accessories, not included

## WZCC30108
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

## WZCC3010E
Flat, round cover
white
Required installation accessories, not included

## WZCC3010N
Flat, round cover
black
Required installation accessories, not included

## WZCC3010Z
Flat, round cover
antique bronze
Required installation accessories, not included

## WZCC30208
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
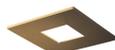Required installation accessories, not included

## WZCC3020E
Flat, square cover
white
Required installation accessories, not included

## WZCC3020N
Flat, square cover
black
Required installation accessories, not included

## WZCC3020Z
Flat, square cover
antique bronze
Required installation accessories, not included

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## WZCC30308
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

## WZCC3030E
Shallow, round cover
white
Required installation accessories, not included

## WZCC3030N
Shallow, round cover
black
Required installation accessories, not included

## WZCC3030Z
Shallow, round cover
antique bronze
Required installation accessories, not included

## WZCC30408
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

## WZCC3040E
Shallow, square cover
white
Required installation accessories, not included

## WZCC3040N
Shallow, square cover
black
Required installation accessories, not included

## WZCC3040Z
Shallow, square cover
antique bronze
Required installation accessories, not included

## WZCC30508
Deep, round cover
primer

## WZCC3050E
Deep, round cover
white

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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

**WZCC3050N**
Deep, round cover
black
Required installation accessories, not included

**WZCC3050Z**
Deep, round cover
antique bronze
Required installation accessories, not included

**WZCC30608**
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

**WZCC3060E**
Deep, square cover
white
Required installation accessories, not included

**WZCC3060N**
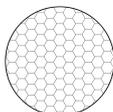Deep, square cover
black
Required installation accessories, not included

**WZCC3060Z**
Deep, square cover
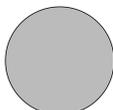antique bronze
Required installation accessories, not included

## Anti-glare

**WHCC30A1**
Honeycomb louvre
round and square covers: flat, shallow

## Optical Accessories

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## WRCC30R1D
Diffuser filter
round and square covers: flat, shallow

## WRCC30R1W
Elliptical filter
Adding the filter changes the light output: please consult the photometric data.

round and square covers: flat, shallow

## Other



## WRCC30R1T
Transparent IP44 screen
round and square covers: flat, shallow

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