

EOS Downlights


EOS COB LED Downlight Fixtures.

* Spring clips shown are Only used for EOS 5".


Product Highlights

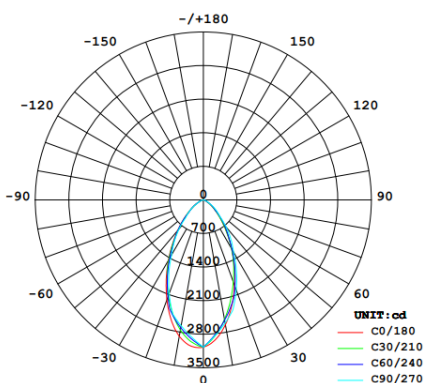
- Ideal solution for Accent and General interior lighting applications.
- Suitable for Retail areas, Corridors and Staircases, Office and Living areas.
- Easy mounting, maintenance free.

- Energy Efficient COB LED Recessed mount downlight fixtures.
- A+ Energy Efficiency class with efficiency of 120lm/W.
- Multiple sizes and luminous power combinations.
- No UV Light emission.
- Available in Cool, Neutral & Warm White Color Temperatures.

Main Technical Data

1 - Luminous Flux Table

| Product Type | Delivered Luminous flux (lm) | | |
|--------------|------------------------------|---------------|------------|
| | Cool White | Neutral White | Warm White |
| EOS 5" 15W | 1,800 | 1,800 | 1,700 |
| EOS 5" 20W | 2,400 | 2,400 | 2,280 |
| EOS 7" 15W | 1,800 | 1,800 | 1,700 |
| EOS 7" 20W | 2,400 | 2,400 | 2,280 |
| EOS 7" 25W | 3,000 | 3,000 | 2,850 |
| EOS 9" 20W | 2,400 | 2,400 | 2,280 |
| EOS 9" 25W | 3,000 | 3,000 | 2,850 |
| EOS 9" 30W | 3,600 | 3,600 | 3,420 |

2 - Light Distribution Curve


| Models | EOS 5" Ø 160mm Cutout ø130mm | EOS 7" Ø 185mm Cutout ø160mm | EOS 9" Ø 240mm Cutout ø205mm |
|-------------------------------|--|------------------------------------|---|
| Operating Voltage | 198 - 264V AC 50/60Hz | | |
| Energy Class | A+ | | |
| IEC Protection Class | CLASS II | | |
| Input Current | 0.069A | 0.092A | 0.069A 0.092A 0.114A 0.092A 0.114A 0.137A |
| Overall consumption | 15W | 20W | 15W 20W 25W 20W 25W 30W |
| Operating temperature | - 10°C to +40°C | | |
| Relative humidity | < 60 % | | |
| 0-10V Dimming | Optional Add-on. [DIM Suffix to order code] | | |
| DALI Dimming | Optional Add-on. [DAL Suffix to order code] | | |
| 3 Hr Emergency Battery | Optional Add-on. [3HR Suffix to order code] | | |
| Color Rendering Index | Ra > 80 | | |
| Power Factor | > 0.95 | | |
| UGR | ≤ 22 | | |
| Flicker | < 5% | | |
| Standard Compliance | EN 61000, EN 61547, EN 55015, EN 60598 | | |
| Color temperature CCT | Cool White 5000-5700K - Neutral White 4000-4500K - Warm white 3000-3500K | | |
| Body | Die-cast Aluminum | | |
| Diffuser | Frosted glass cover | | |
| Type of Mounting | Recessed | | |
| Useful Lifetime | L70 > 50,000h | | |
| Ingress Protection | IP54 | | |
| Warranty | According to standard Octa Light warranty conditions | | |

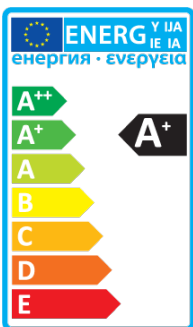
| | | | | | |
|-------------|------------------|---------------------|-----------------------|----------------------|---------------------|
| EOS | X | WWW | 8CC | Y | OPT |
| Series Name | Type See Table 1 | Wattage See Table 1 | CRI & CCT See Table 1 | Mounting See Table 1 | Add-ons See Table 1 |

3 – Available Sizes, Wattage & Color Temperatures

| Series Code EOS | Type Code X | Rated Power WWW | CRI 8 | CCT CC | Mounting Type Y | Option Codes OPT |
|------------------------------|----------------|--------------------|-------------------|--|--------------------|---|
| EOS : EOS Downlight | 5: 6"/160mm | 015 : 15W | 8 : Ra > 80 | 57 : 5700K 50 : 5000K 45 : 4500K 40 : 4000K 35 : 3500K 30 : 3000K | R : Recessed | DIM : 0-10V Dimming DAL : DALI Dimming. 3HR : 3 Hour Emergency Battery. |
| | 5: 6"/160mm | 020 : 20W | | | | |
| | 7: 7"/185mm | 015 : 15W | | | | |
| | 7: 7"/185mm | 020 : 20W | | | | |
| | 7: 7"/185mm | 025 : 25W | | | | |
| | 9: 9"/240mm | 020 : 20W | | | | |
| | 9: 9"/240mm | 025 : 25W | | | | |
| | 9: 9"/240mm | 030 : 30W | | | | |

4 – Mechanical Dimensions

| Product Code | Mechanical Dimensions | | | |
|--------------|-----------------------|-----------------|--------|--------------|
| | Outer Diameter | Cutout Diameter | Height | Gross Weight |
| EOS 5" | 160 mm | 130 mm | 86 mm | 0.75 kg |
| EOS 7" | 185 mm | 160 mm | 107 mm | 1.45 kg |
| EOS 9" | 240 mm | 205 mm | 127 mm | 2.35 kg |



Company Information

Octa Light Bulgaria is fully vertically integrated manufacturer of LED packages, LED modules, LED lamps and LED luminaires. The company was established in 2010 as the first Light Emitting Diodes (LED) manufacturer with production based entirely in the EU. The company LED portfolio includes powerful high-brightness light emitting diodes, last generation of low-power & mid-power LEDs, wide range of COBs and innovative AC LED modules, as well as special applications LEDs. We constantly are growing our LEDs range to bring highest performance and quality of light sources. Our business scope includes OEM and ODM supply of LED packages, LED engines, luminaires and lamps.

Octa Light Bulgaria offers also complete lighting solutions accomplishing a variety of lighting projects with own range of luminaires. Further to its core lighting business the company offers Contract Electronics Manufacturing /CEM/ for key industries.

