HARMONY
Energy Lighting Solutions

LED RECESSED DOWNLIGHT

Opal

Product code: 10 01 IC DL 004



Opal is a recessed LED downlight. With a die-cast aluminium housing and an opal diffuser, it offers Ra>80 (optional Ra>90) colour rendering, UGR<19 low glare, 2700K–6500K and Tunable White colour temperatures and DALI/Switch DIM/Triac/wireless control. It is used for general and accent lighting in suspended ceilings of offices, shops, hotels and homes and comes with a 3-year warranty.

POWER	LUMINOUS FLUX	EFFICACY
16–21 W	**1,456–2,142 lm**	**91–102 lm/W**

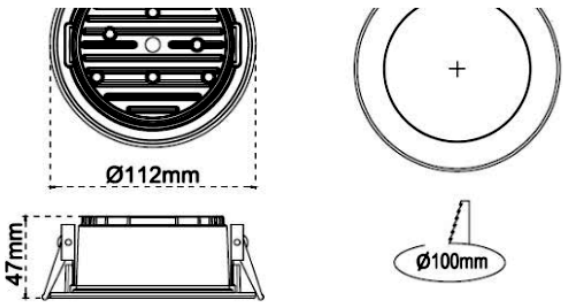
COLOUR RENDERING	WARRANTY
Ra > 80 / 90	**3 years**

CE · CRI>80 · CRI>90

KEY FEATURES

- Housing with die-cast aluminium heat sink
- High-transmission opal diffuser
- Electrostatic powder coated
- High-efficiency, low-glare (UGR < 19) diffuser with even light

DIMENSIONS (MM)



TECHNICAL DATA

Electrical class	Class II
Housing	Die-cast aluminium
Mounting	Recessed
LED type	SMD mid-power LED
LED	Samsung, Bridgelux, Lumileds
Glare	UGR < 19
Driver	Philips, Osram, Tridonic, Eaglerise, Lifud
Input voltage	220–240 V AC / 50–60 Hz
LED lifetime	50,000 h (L80B10)
Dimensions	Ø112 mm
Cut-out	Ø 100 mm
Warranty	3 years
Origin	Türkiye

Technical values are subject to a ±10% tolerance. Efficacy is calculated by dividing luminous flux by nominal power. Harmony ELS reserves the right to make changes to products without prior notice.

Harmony ELS Energy Lighting Solutions
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LIGHT AND POWER OPTIONS

Code	Power	Current	830 3000K · Ra>80	840 4000K · Ra>80	930 3000K · Ra>90	940 4000K · Ra>90
10 01 IC DL 004-16	16 W	350 mA	1,568	1,632	1,456	1,515
10 01 IC DL 004-21	21 W	500 mA	2,058	2,142	1,911	1,988

Luminous flux (lm). The colour code is added to the end of the order code (e.g. -840): the first digit is colour rendering (8 = Ra>80, 9 = Ra>90), the last two are colour temperature (30 = 3000K, 40 = 4000K).

CUSTOMISATION

COLOUR TEMPERATURE

2700K · 3000K · 3500K · 4000K · 5000K · 5700K · 6500K · Tunable White

DRIVER AND CONTROL

- Standard driver (on/off)
- DALI
- Switch DIM
- Triac
- Wireless control
- Emergency kit, 1 hour
- Emergency kit, 3 hours

BEAM ANGLE



120°

MOUNTING



Recessed

HOUSING COLOUR

01 White
03 Black
04 Grey
06 Any RAL colour

Up-to-date information and all options
https://harmonyels.com/en/product/opal

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