

TECHNICAL DATA



230900NW

ADJUSTABLE RECESSED LUMINAIRE 9W 4000K 45°

Adjustable recessed luminaire. 9W power and 810 lm luminous flux. The adjustable design allows 355° rotation and 45° tilt. Equipped with CREE COB LED chip and LIFUD driver. 45° symmetric beam angle and 4000K colour temperature. IP20 protection rating. Aluminium body with white finish.



PRODUCT SPECIFICATIONS

Item code:	230900NW
Description:	Ceiling recessed fixture
EAN13 code:	8436568444352

ELECTRICAL DATA

Power:	9w
Voltage:	220-240vac
Frequency:	50/60Hz
Certifications:	ENEC , TÜV
Power factor:	0,5
Dimmable:	NOT
Electrical insulation class:	CLASS II
Connection:	L/N

LUMINOUS DATA

Color temperature:	4000K
Luminous efficiency:	90 lm/w
Lumens:	810lm
LED chip brand:	Cree
LED chip model:	COB 1507
Beam angle:	45°
Luminous distribution:	Symmetrical
Color rendering index:	>80
Standard deviation of colour matching:	<6
Luminous flux maintenance:	L90B10
Flicker index:	≤1,0
SVM (Stroboscopic Visibility Measure):	≤0,4

TECHNICAL DATA

Protection rating:	IP20 (Protected against solid objects larger than 12mm and no protection against liquids)
Operating temperature:	-20°~50°
Mounting type:	Recessed
Luminaire rotation:	355°
Luminaire tilt:	45°

AVERAGE LIFESPAN

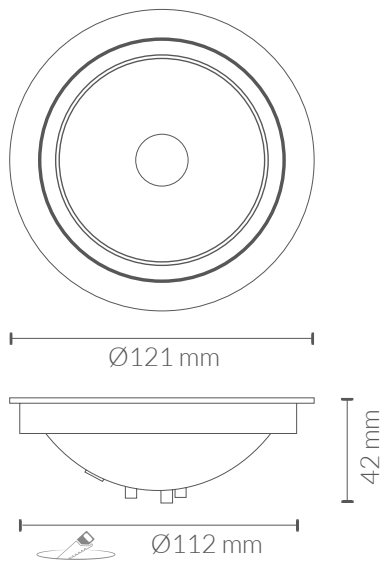
Working hours:	30000 hrs
Switching cycles:	25000 ON/OFF

PHYSICAL DATA

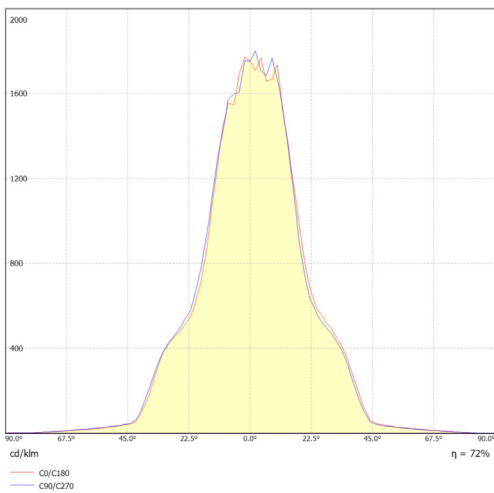
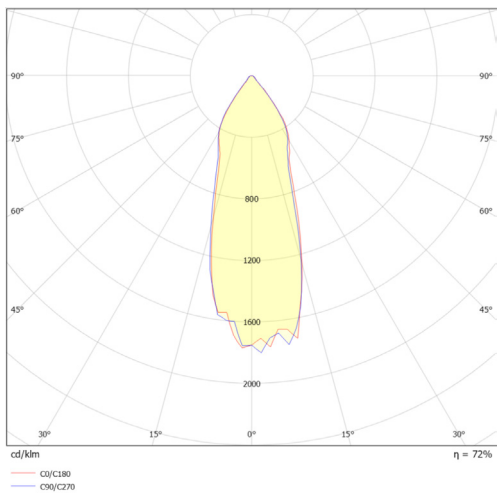
Material:	Aluminium
Finish:	White

ENERGY EFFICIENCY 2023(UE-2019/2015)	E
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DIMENSIONS



LUMINOUS INTENSITY DISTRIBUTION CURVE



EMC directive 2014/30/EU ELECTROMAGNETIC COMPATIBILITY

- EN IEC 55015** Limits and methods of measurement of radio-frequency disturbance characteristics of lighting equipment and similar apparatus.
- EN 61547** Lighting equipment for general use. EMC immunity requirements.
- EN IEC 61000-3-2** Electromagnetic compatibility (EMC). Part 3-2: Limits. Limits for harmonic current emissions (equipment with input current ≤ 16 A per phase).
- EN 61000-3-3** Electromagnetic compatibility (EMC). Part 3-3: Limits. Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems for equipment with rated current ≤ 16 A per phase and not subject to conditional connection.

LVD directive 2014/35/EU LOW VOLTAGE

- EN IEC 60598-1** Luminaires - Part 1: General requirements and tests.
- EN 60598-2-2** Luminaires – Part 2-2: Particular requirements – Recessed luminaires.
- EN IEC 62031** LED modules for general lighting. Safety requirements.

RoHS Directive 2011/65/EU and Delegated Directive (EU) 2015/863

Determination of Certain Substances in Electrotechnical Products.

EN IEC 63000

