

237300NW

SQUARE ADJUSTABLE MINI SPOT RECESSED LUMINAIRE 3W 4000K 30°

Square adjustable mini spot recessed luminaire, 3W power and 270 lm luminous flux. Equipped with CREE LED chip. 30° symmetrical beam angle and 4000K colour temperature. IP20 protection rating. Aluminium body with white finish.



PRODUCT SPECIFICATIONS

Item code:	237300NW
Description:	Ceiling recessed luminaire
EAN13 code:	8436568446837

ELECTRICAL DATA

Power:	3W
Voltage:	160-240VAC
Frequency:	50Hz
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:	270lm
LED chip brand:	Cree
LED chip model:	SMD 2835
Beam angle:	30°
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 12 mm in diameter).
Operating temperature:	-20°~50°
Mounting type:	Recessed

AVERAGE LIFESPAN

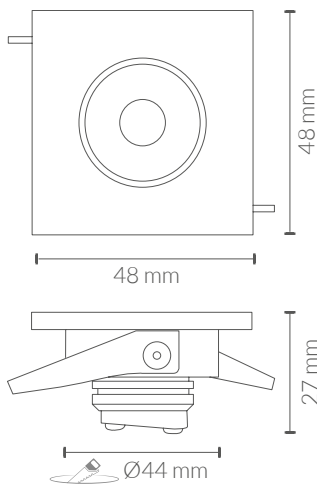
Working hours:	35000 hrs
Switching cycles:	20000 ON/OFF

PHYSICAL DATA

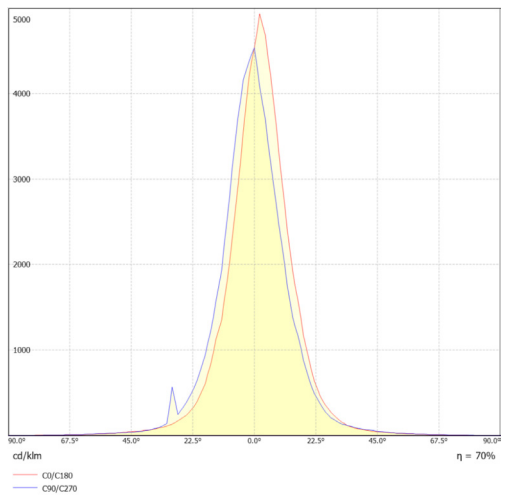
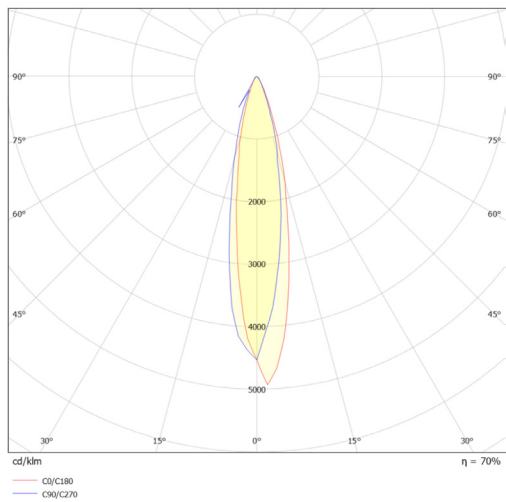
Material:	Aluminum
Finish:	White

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



LUMINOUS INTENSITY DISTRIBUTION CURVE



EMC directive 2014/30/EU ELECTROMAGNETIC COMPATIBILIT

- 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

