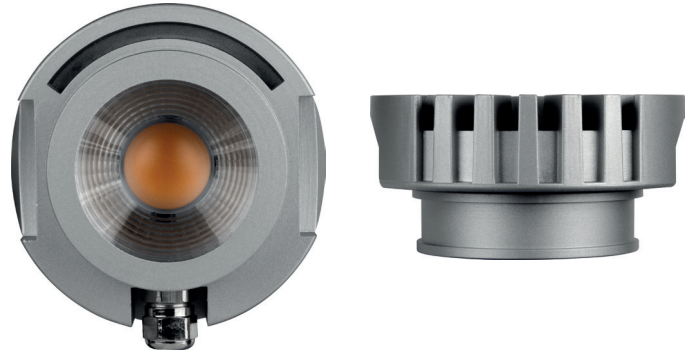


301224NW

IP65 RECESSED LED MODULE 12W 4000K 24°

IP65 recessed LED module, 12W, equipped with a CREE COB LED chip and external LIFUD driver. It delivers a luminous flux of 1416 lm, with a 24° symmetrical beam angle and 4000K colour temperature. Aluminium construction with grey finish and transparent thermoplastic optic, ensuring protection against dust and water (IP65). Compatible with various recessed mounting frames for versatile installation.



PRODUCT SPECIFICATIONS

Item code:	301224NW
Description:	Recessed LED module
EAN13 code:	8435724903481

ELECTRICAL DATA

Power:	12W
Voltage:	220/240V AC
Frequency:	50/60Hz
Driver model:	Lifud
Power factor:	0,9
Dimmable:	NOT
Electrical insulation class:	CLASS II
Connection:	L/N

LUMINOUS DATA

Color temperature:	4000K
Luminous efficiency:	118 lm/W
Lumens:	1416lm
LED chip brand:	Cree
LED chip model:	COB
Beam angle:	24°
Luminous distribution:	Symmetrical
Color rendering index:	>90
Standard deviation of colour matching:	<4
Luminous flux maintenance:	L95B10
Flicker index:	≤1,0
SVM (Stroboscopic Visibility Measure):	≤0,4

TECHNICAL DATA

Protection rating:	IP65 (Dust-tight equipment protected against water jets)
Impact rating:	IK06 (1J)
Operating temperature:	-20°~50°
Mounting type:	Recessed

AVERAGE LIFESPAN

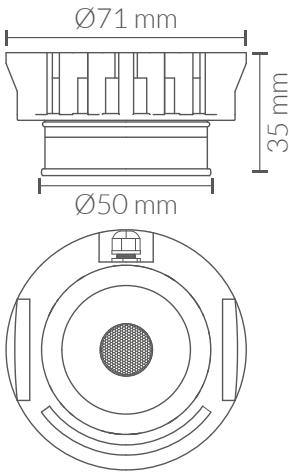
Working hours:	50000 hrs
Switching cycles:	30000 ON/OFF

PHYSICAL DATA

Housing	
Material:	Aluminum
Finish:	Grey
Optical	
Material:	Thermoplastic
Finish:	Transparent
Weight	
Weight:	0,19 kg

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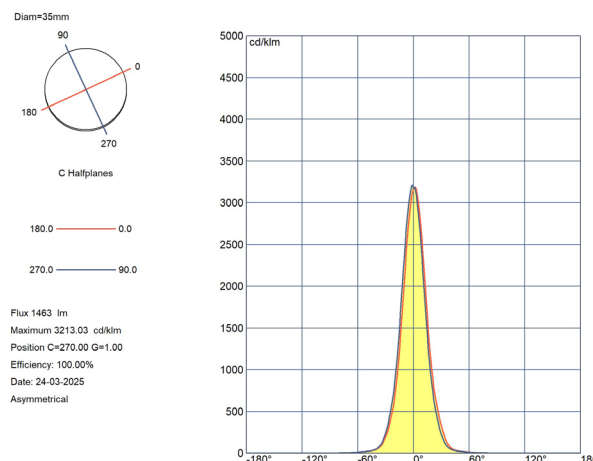
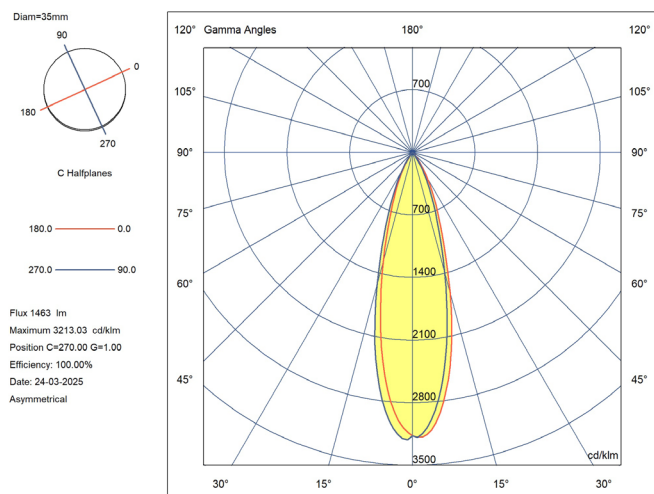
DIMENSIONS



Module compatible with the following references (recessed mounting frames):

316BL	316NG	323BL	323NG
324BD	324BN	324ND	324NB

LUMINOUS INTENSITY DISTRIBUTION CURVE



CERTIFICATIONS

CE & ROHS

EMC Directive 2014/30/EU – ELECTROMAGNETIC COMPATIBILITY

- EN IEC 55015** Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment.
- EN 61547** Equipment for general lighting purposes. 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 IEC 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 IEC 60598-2-2** Luminaires. Part 2-2: Particular requirements. Recessed luminaires and recessed air-handling luminaires.
- EN IEC 62031** LED modules for general lighting. Safety specifications.

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

Determination of certain substances in electrotechnical products.

- EN IEC 63000**

