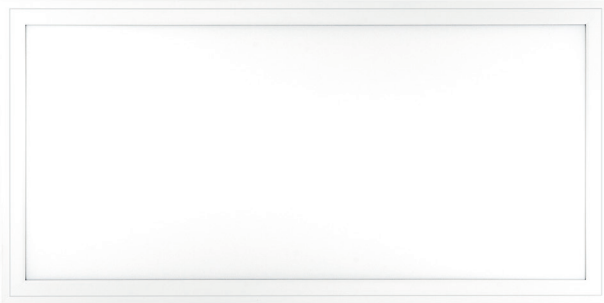
TECHNICAL DATA

306020BNW

LED ARMSTRONG PANEL 20W 30X60CM 4500K



LED ARMSTRONG panel 30x60cm. 20W power and luminous flux of 1880lm. Symmetrical optical opening of 120° and color temperature of 4500K. Protection rating against external elements IP44 and mechanical impact resistance rating IK06. Made of aluminium with white finish.

PRODUCT SPECIFICATIONS

Item code:	306020BNW
Description:	LED Panel
EAN13 code:	8436568442570

ELECTRICAL DATA

Power:	20w
Voltage:	198-264vac
Frequency:	50-60Hz
ENEC certificate for the driver:	YES
TUV certificate for the driver:	YES
Power factor:	0,9
Dimmable:	NOT
Electrical insulation class:	CLASS II
Connection:	L/N

LUMINOUS DATA

Color temperature:	4500K
Luminous efficiency:	94 lm/w
Lumens:	1880lm
LED chip brand:	SMD 4014
Beam angle:	120°
Luminous distribution:	Symmetrical
Color rendering index:	>80
Color rendering index (minimum):	80
Color rendering index (maximum):	83
Standard desviation of colour matching:	<6
Luminous maintenance factor:	L96B10

Flicker index:	**≤1,0**
Unified glare rating:	**UGR<22**
SVM (Stroboscopic Visibility Measure):	**≤0,5**
Flicker free:	**YES**

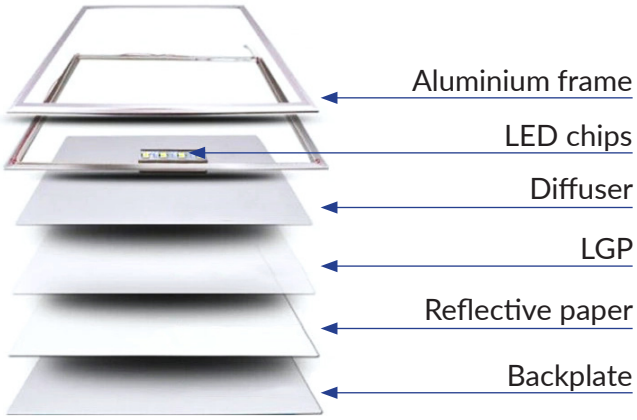
TECHNICAL DATA

Protection rating:	**IP44 (Equipment protected against objects > 1 mm and water splashes)**
Impact rating:	**IK06 (1J)**
Operating temperature:	**-20°~50°**
Mounting type:	**Armstrong ceiling recessed**

AVERAGE LIFESPAN

Working hours:	**45000 hrs**
Switch cycles:	**35000 ON/OFF**

PHYSICAL DATA



Housing

Material:	**Aluminum**
Finish:	**White**

Diffuser

Material:	**Polystyrene: 1mm thick**

LGP

Material:	**MS: 2mm thick**

Backplate

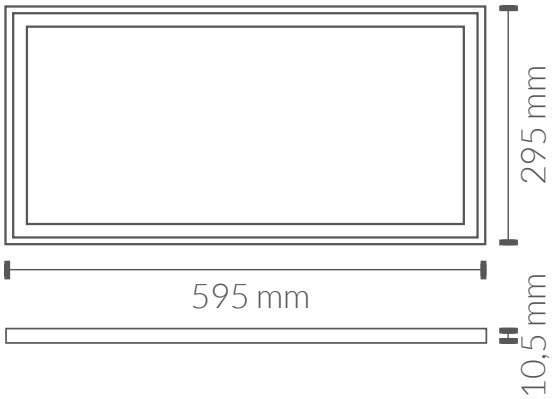
Material:	**Metal: 0,22mm thick**

Weight

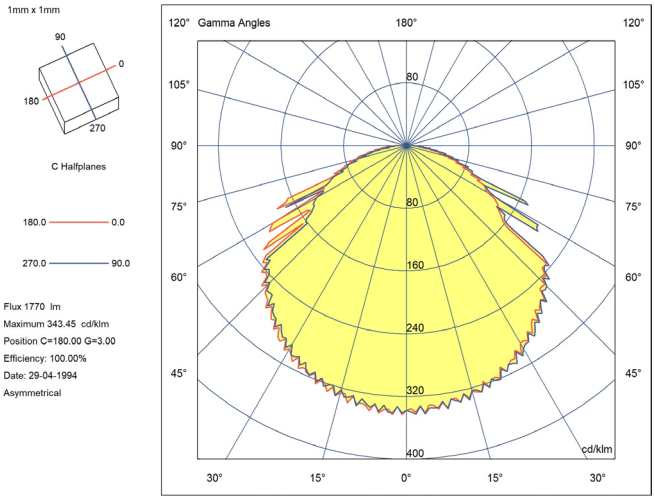
Weight:	**1,34 Kg**

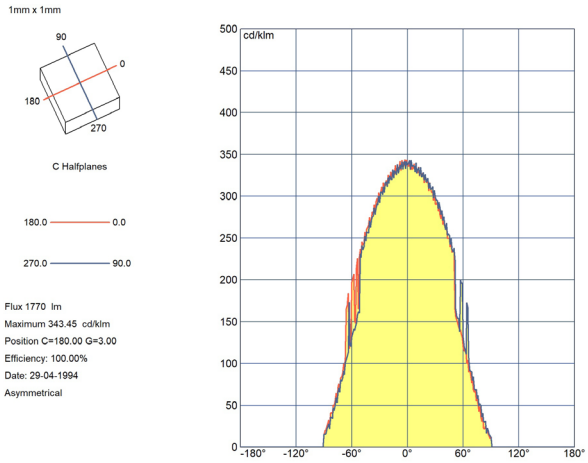
ENERGY EFFICIENCY 2023(UE-2019/2015) F

DIMENSIONS



LUMINOUS INTENSITY DISTRIBUTION CURVE





CERTIFICATIONS

CE & ROHS

EMC directive 2014/30/EU ELECTROMAGNETIC COMPATIBILIT

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 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 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 specifications.
EN 62493	Assessment of lighting equipment related to human exposure to electromagnetic fields.

RoHS Directive 2011/65/EU and Delegated Directive (EU) 2015/863
Determination of Certain Substances in Electrotechnical Products.

IEC 62321-2	**IEC 62321-3-1**
IEC 62321-4	**IEC 62321-5**
IEC 62321-6	**IEC 62321-7-2**
IEC 62321-7-1	**IEC 62321-8**

CE RoHS