

616040BCW

LED ARMSTRONG PANEL 40W 60X60CM 6000K



LED ARMSTRONG panel 60x60cm. 40W power and luminous flux of 3900lm. Symmetrical optical opening of 120° and color temperature of 6000K. Protection rating against external elements IP20 and mechanical impact resistance rating IK06. Made of aluminium with white finish.

PRODUCT SPECIFICATIONS

| | |
|--------------|---------------|
| Item code: | 616040BCW |
| Description: | LED Panel |
| EAN13 code: | 8435724901401 |

ELECTRICAL DATA

| | |
|----------------------------------|------------|
| Power: | 40w |
| Voltage: | 100-277vac |
| 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: | 6000K |
| Luminous efficiency: | 98 lm/w |
| Lumens: | 3900lm |
| 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 deviation of colour matching: | <6 |
| Luminous maintenance factor: | L96 |

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

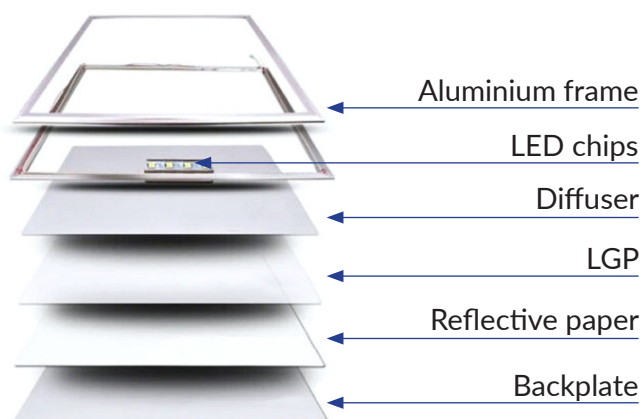
TECHNICAL DATA

| | |
|------------------------|--------------------------------------------------------------|
| Protection rating: | IP20 (Equipment protected against objects >12mm in diameter) |
| 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

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|-----------|------------------------|
| Material: | Polystyrene: 1mm thick |
|-----------|------------------------|

LGP

| | |
|-----------|---------------|
| Material: | MS: 2mm thick |
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Backplate

| | |
|-----------|---------------------|
| Material: | Metal: 0,22mm thick |
|-----------|---------------------|

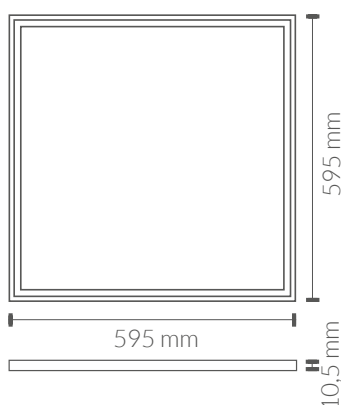
Weight

| | |
|---------|---------|
| Weight: | 1,65 Kg |
|---------|---------|

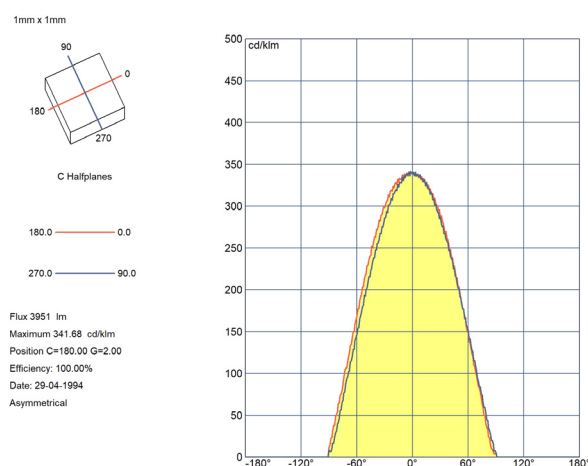
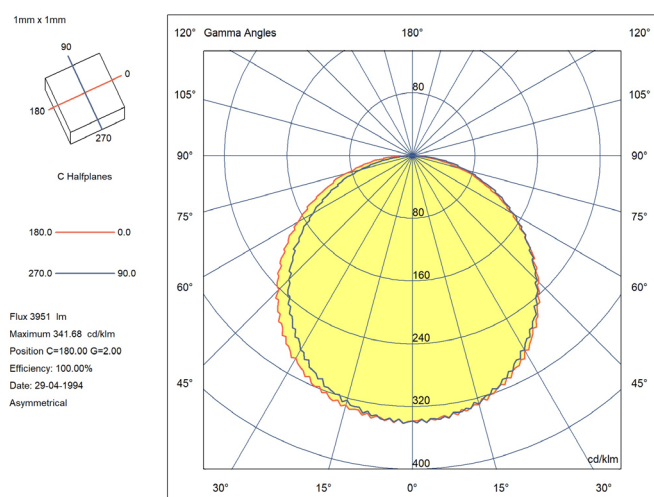
ENERGY EFFICIENCY 2023(UE-2019/2015)

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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**

