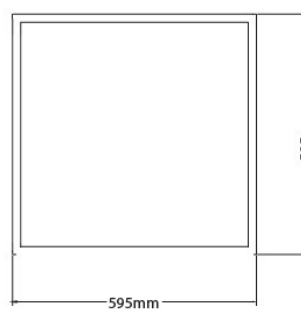




## PRODUCT DATASHEET | IL-PN595US

EASYFIT NEXT+ LED PANEL 30W (595X595X28MM) 3,000/3,500/4,000K UGR<19 EX. DRIVER





## DESCRIPTION

Discover Interlight's updated LED panels: the Easyfit Next+ series, with a UGR value of <19. All our luminaires meet the strict NEN 12464-1 standard, which guarantees quality and performance. The Next+ variants are distinguished by their prismatic cover plate, which diffuses the light in a unique way, making glare a thing of the past. This makes the luminaires perfect for environments where intensive work is carried out, such as offices, healthcare facilities, receptions and classrooms, especially where screens are used. What makes our fixtures extra special is that we design them entirely in-house. This allows us to maintain the highest quality standards, which is why we proudly offer a warranty of no less than 7 years. Our luminaires are not maxed out (80%), and the lenses on the LEDs are made of PMMA, a durable and colorfast plastic. We guarantee lumen maintenance of 70% after 50,000 hours. With normal use (8 burning hours per day), this means that after 7 years you only get to 20,440 hours, so no need to worry! The Next+ LED panel in our series offers a color temperature of 3CCT (3,000, 3,500 and 4,000 Kelvin). A convenient switch lets you effortlessly set the desired light color, the best setting for any room. Moreover, the panel is remarkably slim, at only 28 mm thick, allowing it to integrate seamlessly into any interior. The Next panel is a backlit panel. This Next+ panel comes without a driver and offers the flexibility to be combined with a suitable Interlight driver. Choose from an on/off, 1-10 Volt, Dali or Thinq driver and set the driver at up to 800mA for optimal performance and durability. Choose for the future with Interlight's Easyfit Next+ series.

|                         |                                                                                     |                          |              |
|-------------------------|-------------------------------------------------------------------------------------|--------------------------|--------------|
| 3000K<br>3500K<br>4000K | 3680~<br>3830<br>LUMEN                                                              | 30<br>WATT               | CRI<br>>82   |
| UGR<br><19              |  | PF<br>0.95               | 50.000<br>HR |
| VAC<br>230              |  | NO<br>DRIVER<br>INCLUDED |              |



## SPECIFICATIONS

|                                                                |                                |
|----------------------------------------------------------------|--------------------------------|
| <b>Brand:</b>                                                  | Interlight                     |
| <b>Product type:</b>                                           | Panel                          |
| <b>Suitable for wall mounting:</b>                             | No                             |
| <b>Suitable for wall mounting:</b>                             | No                             |
| <b>Suitable for pendulum suspension:</b>                       | Yes                            |
| <b>Suitable for ceiling mounting:</b>                          | Yes                            |
| <b>Suitable for flush mounting:</b>                            | Yes                            |
| <b>Suitable for surface mounting:</b>                          | Yes                            |
| <b>Suitable for light line configuration:</b>                  | No                             |
| <b>Suitable for clamp mounting:</b>                            | No                             |
| <b>With mounting material:</b>                                 | No                             |
| <b>Suitable for monitor workplace according to EN 12464-1:</b> | Yes                            |
| <b>Lamp type:</b>                                              | LED not interchangeable        |
| <b>With light source:</b>                                      | Yes                            |
| <b>Suitable for number of light sources:</b>                   | 1                              |
| <b>Lampholder:</b>                                             | Other                          |
| <b>Housing material:</b>                                       | Aluminum                       |
| <b>Surface protection housing:</b>                             | Lacquered                      |
| <b>Housing color:</b>                                          | White                          |
| <b>Material cover:</b>                                         | Plastic opal                   |
| <b>Grid version:</b>                                           | No                             |
| <b>Voltage type:</b>                                           | AC                             |
| <b>Nom. current :</b>                                          | 800 - 1000 mA                  |
| <b>Ballast:</b>                                                | LED control current-controlled |
| <b>Driver included:</b>                                        | No                             |
| <b>Interchangeable ballasts:</b>                               | Yes                            |
| <b>Dimmable:</b>                                               | Yes                            |
| <b>Dimmable 0-10 V:</b>                                        | Yes                            |



|                                                                                           |                            |
|-------------------------------------------------------------------------------------------|----------------------------|
| <b>Dimmable 1-10 V:</b>                                                                   | Yes                        |
| <b>Dimmable DALI:</b>                                                                     | Yes                        |
| <b>Dimmable Dali-2:</b>                                                                   | Yes                        |
| <b>Dimmable phase cut:</b>                                                                | No                         |
| <b>Dimmable phase cut:</b>                                                                | No                         |
| <b>Dimming dependent on driver:</b>                                                       | Yes                        |
| <b>Light distributor:</b>                                                                 | Diffuser lens/optics/panel |
| <b>Light distribution:</b>                                                                | Symmetrical                |
| <b>Beam angle:</b>                                                                        | >80° - Extremely wide beam |
| <b>Color consistency (McAdam ellipse):</b>                                                | SDCM3                      |
| <b>Light outlet:</b>                                                                      | Direct                     |
| <b>Energy efficiency class of the light source according to EU regulations 2019/2015:</b> | E                          |
| <b>Part of a holder according to 2019/2020/EU:</b>                                        | No                         |
| <b>Nom. life L70/B50 at 25 °C :</b>                                                       | 125000 h                   |
| <b>Lumen maintenance at average lifetime of 35,000 hours at 25 °C environment (tq):</b>   | 90 %                       |
| <b>Lumen maintenance at average lifetime of 50,000 hours at 25 °C environment (tq):</b>   | 87 %                       |
| <b>Lumen maintenance at average lifetime of 75,000 hours at 25 °C environment (tq):</b>   | 80 %                       |
| <b>Failure at average service life of 35,000 hours at 25 °C environment (tq):</b>         | 10 %                       |
| <b>Failure at average service life of 50,000 hours at 25 °C environment (tq):</b>         | 20 %                       |
| <b>Protection degree back (IP)::</b>                                                      | IP44                       |
| <b>Failure at average service life of 75,000 hours at 25 °C environment (tq):</b>         | 40 %                       |
| <b>Degree of protection front (IP):</b>                                                   | IP20                       |



|                                                                                 |                             |
|---------------------------------------------------------------------------------|-----------------------------|
| Degree of protection (IP):                                                      | IP20                        |
| Maximum number of fixtures per circuit breaker C10 (MCB):                       | 45                          |
| Max. number of fixtures per line protection switch B16:                         | 72                          |
| Max. number of fixtures per line protection switch C16:                         | 72                          |
| Impact resistance:                                                              | IK02                        |
| Protection class according to IEC 61140:                                        | II                          |
| Luminaire with limited surface temperature "D-sign" according to EN 60598-2-24: | No                          |
| Emergency power supply integrated:                                              | No                          |
| Emergency power supply system:                                                  | No                          |
| Nom. ambient temperature according to IEC62722-2-1 :                            | -10 - 40 °C                 |
| Suitable for emergency lighting:                                                | Yes                         |
| With presence detector:                                                         | No                          |
| With motion sensor:                                                             | No                          |
| Effective luminous flux according to IEC 62722-2-1:                             | 3830 lm                     |
| With light sensor:                                                              | No                          |
| Cover fixture with thermal insulation material possible:                        | No                          |
| With air slots:                                                                 | No                          |
| Glow wire test according to IEC 60695-2-11:                                     | 650 °C - 30 s               |
| Light color according to EN 12464-1:                                            | Neutral white 3300 - 5300 K |
| Suitable for lamp power:                                                        |                             |
| Specific luminous flux luminaire:                                               |                             |
| Max system power:                                                               | 32 W                        |
| Effective luminous flux according to IEC 62722-2-1:                             |                             |



|                                             |               |
|---------------------------------------------|---------------|
| <b>Light color:</b>                         | White         |
| <b>Color temperature:</b>                   | 3000 - 4000 K |
| <b>Color rendering index:</b>               | 80-89         |
| <b>Power factor:</b>                        |               |
| <b>Width:</b>                               | 595 mm        |
| <b>Height/depth:</b>                        | 28 mm         |
| <b>Length:</b>                              | 595 mm        |
| <b>Type of wiring:</b>                      | End           |
| <b>Number of poles:</b>                     | 2             |
| <b>Totale harmonische vervorming (THD):</b> | 9 %           |
| <b>Connection method:</b>                   |               |
| <b>UGR:</b>                                 | 19            |
| <b>Light color adjustable:</b>              | Stands        |
| <b>Luminous flux adjustable:</b>            | Stands        |
| <b>Beam angle adjustable:</b>               | No            |
| <b>Operation via App:</b>                   | No            |
| <b>Compatible with Casambi:</b>             | No            |
| <b>Compatible with Apple HomeKit:</b>       | No            |
| <b>Compatible with Google Assistant:</b>    | No            |
| <b>Compatible with Amazon Alexa:</b>        | No            |
| <b>With IFTTT support:</b>                  | No            |



## ACCESSORIES

| Article       | Description                                                               |
|---------------|---------------------------------------------------------------------------|
| IL-X4D32PO3   | Driver led 32W 800mA/230V non dimmable + 3 poles for GST18i3              |
| IL-X4D32WI3   | Driver led 32W 800mA/230V non dimmable + 2 pole Wieland                   |
| IL-X4D32WA3   | Driver led 32W 800mA/230V non dimmable + 3 pole Wago                      |
| IL-X4D32      | Driver led 32W 800mA/230V not dimmable                                    |
| IL-X4D32PO2   | Driver led 32W 800mA/230V non dimmable + 2 pole Euro                      |
| IL-S50W       | Connection cable 2x0.75mm <sup>2</sup> 50cm black for GST18i3             |
| IL-D48DALI2L  | Driver led universal DALI2 650 to 1,100mA/42W loopable                    |
| IL-X3D40      | Driver led dip switch 650 to 1,000mA not dimmable                         |
| IL-PKITB      | Pendant kit panels 1,500mm black RAL9017                                  |
| IL-PKITW      | Pendant kit panels 1,500mm white RAL9003                                  |
| IL-D53DALI2   | Driver led universal DALI2 650 to 1,100mA/47W                             |
| IL-X2D40-1-10 | Driver led dip switch 400 to 1,100mA 1-10V dimmable                       |
| IL-DCISET+    | Emergency lighting module with inverter and battery 3,000mAh              |
| IL-P595SK4B   | Surface mounted panel set 600x600mm t.b.v. IL-P595 black RAL9017          |
| IL-PKITSN4    | Springs for panel 4 pcs.                                                  |
| IL-P595SK3    | Surface mount kit 600x600mm for IL-P595                                   |
| 2811 020      | Connecting cable 2.0m H03VVH2-F2x0.75mm <sup>2</sup> black Euro 2.5A/250V |

## DOWNLOADS AVAILABLE FROM WEBSITE

|                |
|----------------|
| CE declaration |
| LM79 report    |
| TM21 report    |
| Circuitbreaker |
| Lumen output   |
| LDT file       |
| Dimtest        |
| Manual         |