**113**
lumens/watt

# Edgelit Premium

LED Panel P1 TU 2x2 S 30W 840 19

## 93101660

## Product information

Tungsram LED luminaires transform ambient lighting into an exquisite balance of refined appearance and superior efficiency.
When illuminated, the panels deliver exceptional uniform light to the space and while off they appear completely free of a visible light source. Designed to replace fluorescent fixtures in suspended T grid ceilings.

## Product data

| | |
|---|---|
| Product code | 93101660 |
| Description | LED Panel P1 TU 2x2 S 30W 840 19 |
| DIALux description | TUNGSRAM - Edgelit Premium - 3400lm - 30W - 4000K - 80CRI - 93101660[SKU] - Recessed |
| Brand | TUNGSRAM |
| Product category | Edgelit Panel Premium |
| Product family | Panels |
| Application areas | Office, Public buildings |
| Light source | LED |
| Sensor | No sensor |
| Emergency option | No EM |
| Mounting type | Recessed |
| Weight [kg] | 3,3 |
| Body color | White, RAL9010 |
| Product dimensions (Length) x (Width) x (Height) [mm] | 595 x 595 x 10 |
| Operating temperature min [°C] | -10 |
| Operating temperature max [°C] | 40 |
| Rated ambient temperature (tq) [°C] | 25 |
| Cooling | Passive |
| Certifications | CE, EAC |
| General warranty [year] | 5 |

## Performance data

| | |
|---|---|
| System power [W] | 30 |
| Nominal luminous flux [lm] | 3400 |
| Rated efficacy [lm/W] | 113 |
| Rated life L70/B50 [h] | 50000 |
| IP front (optical) | 40 |
| IP back (electrical) | 20 |
| IP Rating | 20 |

## Photometrical data

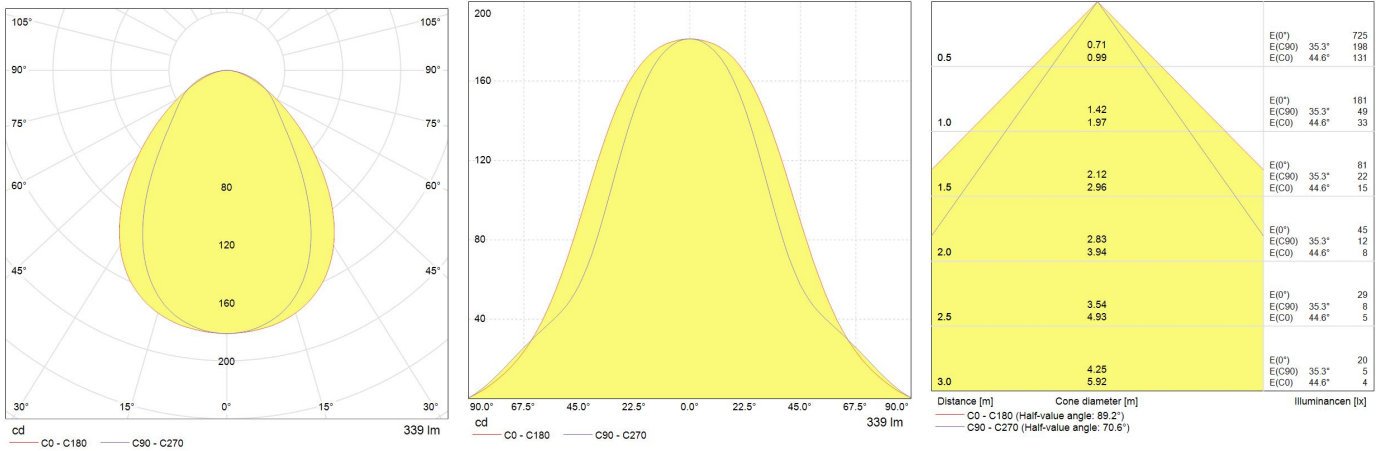| | |
|---|---|
| Photometric distribution | Medium |
| Nominal correlated colour temperature (CCT) [K] | 4000 |
| Colour rendering index (CRI) [Ra] | >=80 |
| Nominal beam angle [°] | 80 |
| UGR value (4H8H) | ≤19 |
| Colour consistency in MacAdam steps SDCM | ≤4 |
| Photobioligical risk | RG0 |

## Electrical data

| | |
|---|---|
| IEC protection class | Class II |
| Operating voltage [V] | 220-240V |
| Rated frequency or frequency range [Hz] | 50/60Hz |
| Lamp input current [mA] | 140 |
| Nominal lamp power factor | >=0.9 |
| Controllability | Static |

## Logistic data

| | |
|---|---|
| Box quantity | 1 |
| Shipment | Standard |
| Product status | Available |

## Light distribution



| | | |
|---|---|---|
| 0.5 | 0.71<br>0.99 | E(0°) 725<br>E(C90) 35.3° 198<br>E(C0) 44.6° 131 |
| 1.0 | 1.42<br>1.97 | E(0°) 181<br>E(C90) 35.3° 49<br>E(C0) 44.6° 33 |
| 1.5 | 2.12<br>2.96 | E(0°) 81<br>E(C90) 35.3° 22<br>E(C0) 44.6° 15 |
| 2.0 | 2.83<br>3.94 | E(0°) 45<br>E(C90) 35.3° 12<br>E(C0) 44.6° 8 |
| 2.5 | 3.54<br>4.93 | E(0°) 29<br>E(C90) 35.3° 8<br>E(C0) 44.6° 5 |
| 3.0 | 4.25<br>5.92 | E(0°) 20<br>E(C90) 35.3° 5<br>E(C0) 44.6° 4 |

Distance [m]   Cone diameter [m]   Illuminancen [lx]
C0 - C180 (Half-value angle: 89.2°)
C90 - C270 (Half-value angle: 70.6°)

## Downloads & Links

Go to the catalog site (HTTP)

Datasheet (PDF)

Installation guide (PDF)

Images (HTTP)

DoC document (PDF)

Photometry files for EMERGENCY versions (HTTP)

Datasheet (FR) (PDF)