

START Panel IP54 UGR19 600x600

START PANEL IP54 MLTPWR U19 600 4450LM 840
0047993



Product features

- START Panel IP54 is a range of recessed integrated LED panels for general indoor lighting applications such as breakout areas, offices and meeting rooms. With the help of DIP Switch multiple lumen outputs can be set up in 8 steps (13W 1625lm, 16W 2025lm, 19W 2450lm, 22W 2850lm, 26W 3350lm, 29W 3700lm, 32W 4100lm, 35W 4450lm). Max. drive current: 165mA; Max. power: 35W; Average lifespan: 100.000Hrs; 4000K; CRI 80; Efficacy up to: 127Lm/W; Fixture lumen up to: 4450lm; Glare control <19; IK03; IP54 (from the front); Class II



PRODUCT OVERVIEW

| | |
|---------------------------------|--------------------------------------------|
| Product name | START PANEL IP54 MLTPWR U19 600 4450LM 840 |
| Technology | LED |
| Cap/Base | N/A |
| Housing | Steel |
| Mount | Ceiling recessed mounting |
| General application | Education, Office |
| ETIM Class | EC002892 |
| E-number FI | 4276988 |
| Warranty | 5 years |
| Fixture luminous flux (lm) | 4450 |
| Luminaire efficacy (lm/W) | 127 |
| Colour temperature (K) | 4000 |
| Light colour | Neutral White |
| CRI (Ra) | 80 |
| Colour Variation Initial (SDCM) | SDCM3 |
| Beam Angle (°) | 90 |
| Glare control | < 19 |
| Photobiological Risk Group | RG0 |
| Total power consumption (W) | 35 |
| Electrical protection | Class II |
| Control gear type | Electronic ballast multiwatt |
| Dimmable | No |
| LED Flickering Rate | Ultra low (5% or less) |
| Housing colour | RAL 9016 - Traffic white / Bezel |
| IP rating | IP54/20 |
| IK rating | IK03 |
| Product EAN number | 5410288479934 |
| Dimming method | N/A |

DATA TABLE

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General data

| | |
|------------------------------------------------|--------------------------------------------|
| Product name | START PANEL IP54 MLTPWR U19 600 4450LM 840 |
| Technology | LED |
| Cap/Base | N/A |
| Housing | Steel |
| Mount | Ceiling recessed mounting |
| General application | Education, Office |
| Operating temperature range (°C) | -10°C - 40°C |
| Performance ambient temperature Tq (°C) | 25 |
| ETIM Class | EC002892 |
| E-number FI | 4276988 |
| Warranty | 5 years |

Optical data

| | |
|----------------------------------------|---------------|
| Fixture luminous flux (lm) | 4450 |
| Luminaire efficacy (lm/W) | 127 |
| Colour temperature (K) | 4000 |
| Light colour | Neutral White |
| CRI (Ra) | 80 |
| Colour Variation Initial (SDCM) | SDCM3 |
| Beam Angle (°) | 90 |
| Distribution type | Symmetric |
| Glare control | < 19 |
| Photobiological Risk Group | RG0 |

Electrical data

| | |
|-----------------------------------------------------------------------|------------------------------|
| Total power consumption (W) | 35 |
| Mains voltage (V) | 220-240V |
| Lamp power factor | 0.95 |
| THD (at 230 V, 50 Hz, full load, at 100% dimming level) xx.x % | 16.0 |
| Electrical protection | Class II |
| Control gear required | No |
| Control gear type | Electronic ballast multiwatt |
| No. Of switching cycles before premature failures | >100000 |
| Transformer required | No |
| Dimmable | No |
| Drive current (mA) | 165 |
| Inrush Current (A) | 22 |
| Inrush Duration (µs) | 250 |
| Glow Wire Test (°C) | 650 |
| Energy Efficiency Class (A->G) of contained light source | D |
| Nominal Frequency (Hz) | 50/60Hz |
| LED Flickering Rate | Ultra low (5% or less) |
| Max. Luminaires per 10A C Breaker | 38 |
| Max. Luminaires per 13A C Breaker | 48 |
| Max. Luminaires per 16A C Breaker | 60 |

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| | |
|-----------------------------------|----|
| Max. Luminaires per 20A C Breaker | 75 |
| Max. Luminaires per 16A B Breaker | 21 |

Lifetime data

| | |
|------------------|--------|
| Lifespan L70 B50 | 100000 |
| Lifespan L80 B20 | 71000 |

Physical data

| | |
|-----------------------------|----------------------------------|
| Housing colour | RAL 9016 - Traffic white / Bezel |
| IP rating | IP54/20 |
| IK rating | IK03 |
| Diffuser finish | Prismatic |
| Diffuser material | PC Polycarbonate |
| Nominal Product Length (mm) | 596 |
| Nominal Product Width (mm) | 596 |
| Nominal Product Height (mm) | 63 |
| Weight (kg) | 2.554 |
| Recessed Depth (mm) | 100 |

Packaging

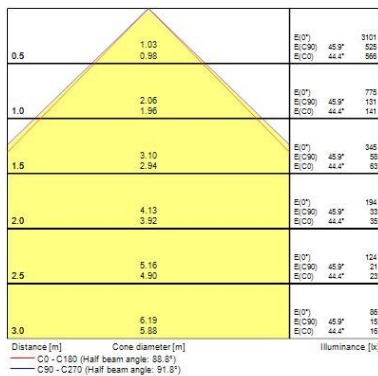
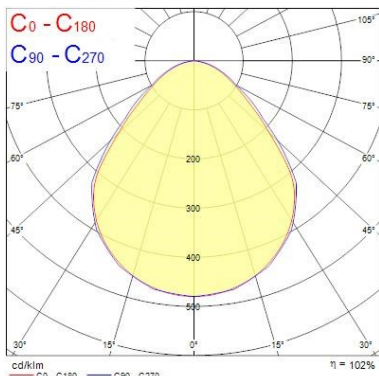
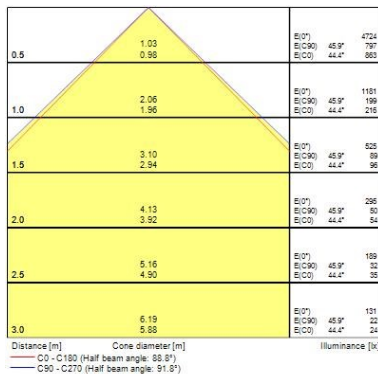
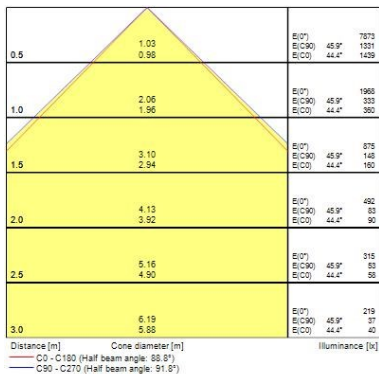
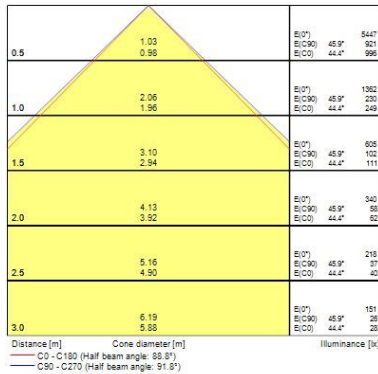
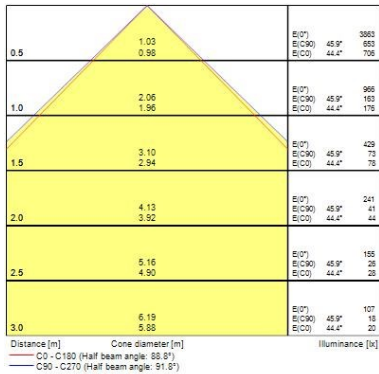
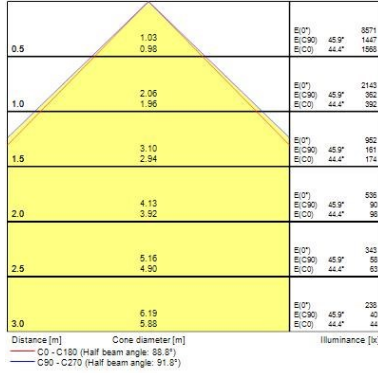
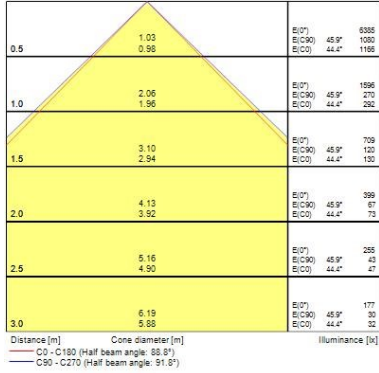
| | |
|---------------------------------------|----------------|
| Single packaging type | Carton |
| Product EAN number | 5410288479934 |
| Packaging single length / height (cm) | 61.0 |
| Packaging single width (cm) | 7.0 |
| Packaging single depth (cm) | 61.0 |
| Packaging inner length / height (cm) | 63.0 |
| Packaging inner width (cm) | 61.5 |
| Packaging inner depth (cm) | 8.2 |
| DUN14 (outer) | 05410288479934 |
| Units per outer package | 4 |
| Packaging outer length / height (cm) | 63.0 |
| Packaging outer width (cm) | 32.6 |
| Packaging outer depth (cm) | 64.5 |

Safety data

| | |
|----------------------------------|--------|
| Optimal operating condition (°C) | -10-40 |
|----------------------------------|--------|

PHOTOMETRY

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| | | |
|-----|--------------|-----------------------------------------|
| 0.5 | 1.03 0.98 | E(0°) 7103 E(C90) 1201 E(C0) 1296 |
| 1.0 | 2.06 1.96 | E(0°) 1776 E(C90) 300 E(C0) 326 |
| 1.5 | 3.10 2.94 | E(0°) 789 E(C90) 133 E(C0) 144 |
| 2.0 | 4.13 3.92 | E(0°) 444 E(C90) 79 E(C0) 81 |
| 2.5 | 5.16 4.90 | E(0°) 254 E(C90) 48 E(C0) 52 |
| 3.0 | 6.19 5.88 | E(0°) 197 E(C90) 39 E(C0) 38 |

Distance [m] Cone diameter [m] Illuminance [lx]

— C0 - C180 (Half beam angle: 88.8°)
— C90 - C270 (Half beam angle: 91.8°)

TECHNICAL DRAWINGS

