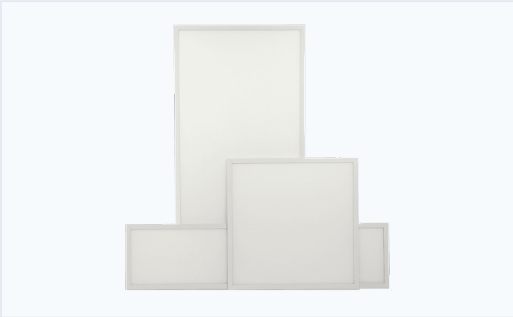
DPL198 · RECESSED

# DPL198 6060 4500lm 35W MP 840

Symmetric · 4000 K · IP40 · IK05 · White



## APPLICATION

DPL198 is an ultra-slim recessed LED panel for offices, educational facilities, healthcare and commercial spaces, providing uniform, low-flicker illumination with UGR <19 for high visual comfort. The luminaire features a lightweight aluminium frame with a steel back plate, ensuring excellent thermal management, mechanical rigidity, and long service life. With system efficacy up to 140 lm/W, it combines efficient performance with a clean architectural design and is available in most popular 600×600, 300×1200 and 600×1200 mm formats. Available in 3000K or 4000K, with On/Off, DALI and Casambi control options, DPL198 is suitable for both new installations and energy-efficient lighting renovations.

| 4500 lm | 35 W | 129 lm/W | 4000 K | ≥80 | IP40 | IK05 | 50 000 h |
|---|---|---|---|---|---|---|---|
| SYSTEM FLUX | INPUT POWER | EFFICACY | CCT | CRI | INGRESS | IMPACT | L90B10 |

## ELECTRICAL PARAMETERS

| | | | |
|---|---|---|---|
| Nominal supply voltage | **230 (220–240) V AC** | Supply voltage range | **220–240 V AC** |
| Type of supply current | **AC** | Supply frequency | **50 / 60 Hz** |
| Rated input power | **35W** | Power factor (PF) | **0.95** |
| Driver efficiency at nominal load | **0.92** | Total harmonic distortion (THDi) | **<10%** |
| Protection class (electric shock) | **II** | Driver type | **Integrated driver** |

## PHOTOMETRIC PARAMETERS

| | | | |
|---|---|---|---|
| Luminous flux — system | **4500lm** | Luminous efficacy — system | **129lm/W** |
| Correlated colour temperature (CCT) | **4000 K** | Colour rendering index Ra (CRI) | **≥80** |
| Init. CRI tolerance | **±3** | Light distribution type | **Symmetric** |
| Luminaire beam spread | **60°** | Optic type | **Microprismatic** |
| Photobiological safety class | **RG0** | Flicker — Output PstLM / SVM | **≤0.1 / ≤0.2** |
| Colour consistency (SDCM) | **< 3 MacAdam steps** | Upward light output ratio (ULOR) | **0** |
| Luminous flux tolerance | **±5 %** | | |

## CONSTRUCTION & MATERIALS

| | | | |
|---|---|---|---|
| Luminaire type | **LED panel** | Light source type | **LED** |
| Light source replaceable | **No** | Cap / base type | **Integrated** |
| Housing material | **Aluminium / steel** | Reflector material | **N/A** |
| Housing coating | **Powder coating** | Optic material | **Polycarbonate** |
| Optical cover material | **Polycarbonate** | Housing colour (RAL) | **White** |
| Mounting type | **Recessed, suspended** | Cutout size | **600x600** |
| Overall dimensions (H × W × L) | **595x595** | Effective projected area | **N/A** |
| Windage projection area (side / below) | **N/A** | Number of light sources | **2 pcs** |
| Number of gear units | **1 pcs** | | |

## PROTECTION & ENVIRONMENT

| | | | |
|---|---|---|---|
| IP rating — enclosure | **IP40** | Impact resistance class IK | **IK05** |
| Operating temperature range | **0...+35 °C** | Storage temperature range | **-40...+65 °C** |
| Glow-wire test | **650 °C / 5 s** | Relative humidity (max) | **N/A** |

## CONTROL & DIMMING

| | | | |
|---|---|---|---|
| Dimmable | **No** | Control protocol / interface | **On/off** |
| Dimming range | **N/A** | Auto-dimming (chronoSTEP) | **No** |
| Built-in motion / presence sensor | **No** | Built-in daylight sensor | **No** |
| LED lumen maintenance compensation (CLO) | **No** | ZHAGA / NEMA socket compatibility | **No** |

## RELIABILITY & LIFETIME

| | | | |
|---|---|---|---|
| Constant Light Output (CLO) | **No** | Light source lifetime | **50000 @ L80 B10 h** |
| Lumen maintenance @ 50 000 h | **L80 B10** | Lumen maintenance @ 100 000 h | **Not determined** |
| Control gear failure rate @ 50 000 h | **5 %** | Control gear failure rate @ 100 000 h | **Not determined** |
| Maximum case temperature Tc | **75°C** | | |

## CERTIFICATIONS

| | | | |
|---|---|---|---|
| Warranty period | **5 years** | Maintenance access | **Not determined** |
| CE marking | **Yes** | ENEC mark | **No** |
| ENEC+ mark | **No** | UKCA marking | **Yes** |
| D4i certified (DALI) | **No** | EU RoHS compliant | **Yes** |
| Light source energy efficiency class | **Not determined** | | |

## STANDARDS & SUSTAINABILITY

| | | | |
|---|---|---|---|
| Applicable standard | **EN-IEC 62722-2-1** | ETIM Class | **Not determined** |
| D-Mark (EN 60598-2-24) | **Not determined** | Non-virgin material ratio | **Not determined** |
| Sustainability rating | **Not determined** | EAN / UPC | **Not determined** |
| Application areas | **Offices, educational facilities, healthcare environments, commercial buildings and other interior spaces** | | |

**Environmental data.** Embedded carbon, recyclable content and sustainability ratings are provided per article where determined.

**Documents.** Photometric files (IES / LDT) and installation instructions are available at takton.ee.