

Length **595 mm**

APPLICATION

DPL198 is a modern recessed LED panel designed for offices, educational facilities, healthcare environments, commercial buildings, and other interior spaces where visual comfort, energy efficiency, and a clean architectural appearance are essential. Its ultra-slim construction and uniformly illuminated surface blend seamlessly into suspended ceilings while providing comfortable, glare-free illumination. The high-quality microprismatic polycarbonate diffuser delivers UGR <19, making the luminaire ideal for workplaces with computer screens and other visually demanding environments. Low flicker performance helps reduce eye strain and improves overall visual comfort throughout the working day. The luminaire features a lightweight aluminium frame with a steel back plate, ensuring excellent thermal management, mechanical rigidity, and long service life. It is available in the most popular ceiling formats 600×600 mm, 300×1200 mm, and 600×1200 mm, with 3000 K and 4000 K colour temperatures to suit a wide range of applications. With a system efficacy of up to 140 lm/W, DPL198 significantly reduces energy consumption compared to conventional fluorescent panels while maintaining excellent light quality and uniformity. Multiple control options, including On/Off, DALI, and Casambi, allow seamless integration into modern lighting management systems and smart buildings. Designed for long-term reliability, DPL198 offers a 50,000-hour L80B10 lifetime and is backed by a 5-year system warranty, making it an excellent choice for both new installations and energy-efficient lighting renovations.

5900 lm SYSTEM FLUX	44 W INPUT POWER	134 lm/W EFFICACY	3000 K CCT	≥80 CRI	IP40 INGRESS	IK05 IMPACT	50 000 h L90B10
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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	44W	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	5900lm	Luminous efficacy — system	134lm/W
Correlated colour temperature (CCT)	3000 K	Colour rendering index Ra (CRI)	≥80
Init. CRI tolerance	±3	Light distribution type	Symmetric
Luminaire beam spread	120°	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	600x1200
Overall dimensions (H × W × L)	595x1195	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
Vibration endurance	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	Not determined		

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
Recyclable content ratio	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.