



ELIA PL Backlit is a modular recessed LED luminaire for indoor lighting applications. Thanks to its superior energy efficiency, it is the ideal solution for a fast return on investment in the replacement of traditional lighting systems. Available in 3 different sizes (300 x 1200 mm, 600 x 600 mm and 620 x 620 mm), it is suitable for flush-mounting in modular ceilings and can alternatively be ceiling or suspension-mounted using dedicated accessories (to be ordered separately). The range allows for great flexibility with its multiple possible combinations of colour temperatures and control systems: it can be ordered in 3,000 K (warm white) or 4,000 K (neutral white), both with a colour rendering index (CRI) of 80; and with an On/Off or DALI external power supply (included with the product). The luminaire is equipped with an opal diffuser with UGR lower than 22, and it is easy to install thanks to its reduced weight and its quick coupling connector for fast electrical wiring.

GENERAL INFORMATION

Context	Interior lighting
Luminaire	Modular LED luminaire
Application	Internal
Unique digital code (Datamatrix)	Currently not present

Colour	White
Type of light source	LED
System power	25 W
LED Lifetime	L80B50 (Tq25°) = 50.000h
Weight (kg)	1.5

Warranty	5 years
Stocking temperature	-20° +65°
Operating temperature	-20° +45°

MATERIALS

Body	Cold rolled steel
Shield type	Polystyrene
Optic	High-diffusion opalescent diffuser
Gasket	-
Locking Hook	-

External screw	-
Colour	Powder coating

STANDARDS AND APPROVALS

Classification	-
Device with reduced surface temperature	-
DIN 18032-3 certification	Not available
IPEA	-
Insulation class	II
IP degree	IP40
Mechanical resistance	IK03
Glow Wire Test	650 °C

OPTIC AND ILLUMINATING FEATURES

Optic	Wide opal
Unified Glare Rating	UGR < 22
Lumen output (lm)	3300
Efficacy (lm/W)	132

Colour temperature	4000 K
Colour Rendering Index	CRI 80
Standard Deviation Colour Matching	SDCM = 3
Photobiological Risk Class	RG0
Standard	EN 60598-1; EN 60598-2-2; IEC/TR 62778; EN 62493

ELETRICAL AND LIGHTING FEATURES

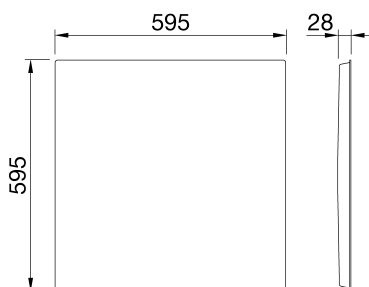
Supply voltage	220-240 V
Rated frequency (Hz)	50/60 Hz
Driver	External - Included
Driver failure rate	F025 (Tq=25°C) = 50.000 h
Overvoltage protection	DM 1 kV
Control System	ON / OFF

INSTALLATION AND MAINTENANCE

Mounting and installation	Recessed (ceiling-mounted and hanging require separately ordered accessories)
Tilt	With suspension adjustment Kit
Wiring	With connection terminal on driver
Fixing	Free-standing or via separately ordered accessories

Light source replaceability	Non-replaceable
Controlgear replaceability	By professional
Driver Box	-
Maximum surface exposed to the wind	-

DIMENSIONAL



PHOTOMETRIC DISTRIBUTION

TECHNICAL SYMBOLOGY



IP

IP40

IK

IK03

GWT

650 °C



Product Data Sheet
GWF1610MT840

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STANDARDS/APPROVALS

