



ELIA PL IP65 is a modular recessed LED luminaire for indoor applications which require a high resistance against penetration of water and dust, such as high-humidity ambients. 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 possible combinations of colour temperatures: 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. The luminaire is equipped with an opal diffuser with UGR lower than 22 and with an On/Off external power supply which is also IP65-rated (included with the product). Both sides of the luminaire are IP65 rated.

### GENERAL INFORMATION

Context	High-humidity interiors
Luminaire	Modular LED luminaire
Application	Internal
Unique digital code (Datamatrix)	Currently not present

Colour	White
Type of light source	LED
System power	36 W
LED Lifetime	L80B50 (Tq25°) = 50.000h
Weight (kg)	3.16

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

### MATERIALS

Body	Aluminium
Shield type	PMMA + PS
Optic	High-diffusion opalescent diffuser
Gasket	-
Locking Hook	-

External screw	Stainless steel
Colour	Powder coating

### STANDARDS AND APPROVALS

Classification	-
Device with reduced surface temperature	-
DIN 18032-3 certification	Not available
IPEA	-
Insulation class	II
IP degree	IP65
Mechanical resistance	IK03
Glow Wire Test	650 °C

### OPTIC AND ILLUMINATING FEATURES

Optic	Wide opal
Unified Glare Rating	UGR < 22
Lumen output (lm)	3600
Efficacy (lm/W)	100

Colour temperature	4000 K
Colour Rendering Index	CRI 80
Standard Deviation Colour Matching	SDCM ≤ 6
Photobiological Risk Class	RG1
Standard	EN 60598-1; EN 60598-2-2; IEC/TR 62778; EN 62493

### ELETRICAL AND LIGHTING FEATURES

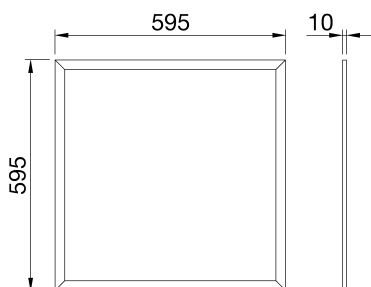
Supply voltage	200-240 V
Rated frequency (Hz)	50 - 60 Hz
Driver	External IP65 driver - Included
Driver failure rate	F025 (Tq=25°C) = 50.000 h
Overvoltage protection	DM 2 kV
Control System	ON / OFF

### INSTALLATION AND MAINTENANCE

Mounting and installation	Recessed (ceiling-mounted and hanging require separately ordered accessories)
Tilt	With suspension adjustment Kit
Wiring	With power cable
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

IP65

IK

IK03

GWT

650 °C



Product Data Sheet  
**GWF1910MA840**

ELIA PL

STANDARDS/APPROVALS

