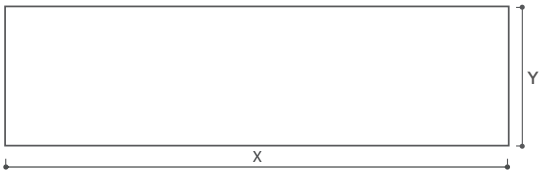
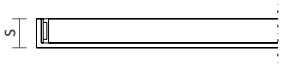
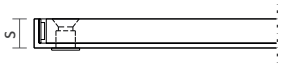
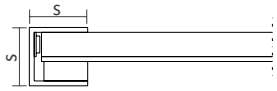
EASY | DESIGN YOUR PANEL

BACKLIGHTING WITHOUT DIFFUSER

ivela elcom



Model	Thickness	Dimension X	Dimension Y	Installation	Type of light	Finish	LED sides

Model	YA (Easy panel with case + adhesive)			YV (Easy panel with case + screws)			YP (Easy panel with profile)	
Application	Ideal for **backlighting small surfaces made of translucent materials** such as marble, onyx, or similar, where **minimal thickness** and **the absence of visible fixing elements are required**. Particularly effective when the material is in **direct contact** with or very close to the panel. The panel is made with a special structural adhesive, optimized to minimize shadow areas.			Designed for **backlighting medium-sized surfaces made of translucent materials**, requiring **reduced thicknesses and no visible frames**. The panel is assembled with integrated screws, which remain invisible when the material is properly spaced.			Panel equipped with a **perimeter frame** with **customizable finishes**, designed for **backlighting large surfaces made of translucent materials**. It offers increased robustness and **installation flexibility**, making it ideal for structured environments. When properly spaced, the panel ensures a **clean and uniform lighting effect** with the frame remaining invisible.	
Section								
Thickness (S) mm	6	9	11	6	9	11	12	15
Weight Kg/m²	8,5	12,5	15	8,5	12,5	15	9[1]	9,5[1]
Type of light	Z C N F	TW H	HZ HC HN	Z C N F	TW H	HZ HC HN	Z (2700K) C (3000K) N (4000K) F (5700K) TW (2700K-6500K) H (RGB)	Z C N F TW H HZ (RGB+2700K) HC (RGB+3000K) HN (RGB+4000K)
Finish	00 (Aluminium)						00 (Aluminium) 02 (Black) XX (RAL on request)	01 (White) 07 (Gold)
Max. dimension (X) mm	2980						3000	
Max. dimension (Y) mm	700	1000		1480			1000	1500 2000[2]
Installation	ND (Surface-mounted)						FP (Through-holes)	
LED sides	1X 1Y 1 LED side			2X 2Y 2 LED sides			4 LED sides / Perimeter	
Power supply	24 VDC							
Power	20W/m (Monochromatic[3])			40W/m (TW)			22W/m (RGB)	20W/m (RGB+W)

[1] The weight refers to monochromatic CCT versions.
[2] When Y > 1500, S = 15 for TW - H - HZ - HC - HN
[3] 15W/m - 10W/m on request

PHYSICAL CHARACTERISTICS
Body material: Aluminum
Diffuser material: Polymethylmethacrylate (PMMA)
Protection rating: IP20
Impact resistance: IK07

ELECTRICAL CHARACTERISTICS
Insulation class:
Cable length = 2000 mm

PHOTOMETRIC CHARACTERISTICS
CRI: 93 R9 > 50 (monochromatic and TW versions only)
Glare factor: UGR < 22
Life Time: L90B10 90000 h

LED SIDE LUMINOUS FLUX[4] lm/w								
2700K	3000K	4000K	5700K	2700K-6500K	RGB	RGB+2700K	RGB+3000K	RGB+4000K
2640	2735	2920	2965	5600	1040	1140	1225	1310

[4]Output luminous flux: Lumens per meter [lm/m] × Number of LED sides [n] × Dimension X or Y [m] – 35%
Ex. (2640lm x 2 x 1m)-35%= 5280lm/m - 35% = 3432 lm/m

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