

Backpanel

LUXIONA

EN

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Comfortable lighting for work and learning spaces

Combining outstanding energy efficiency with high-quality illumination, Backpanel delivers the perfect balance of comfort, reliability, and sustainability. Clean design, excellent visual comfort, and dependable performance make it an ideal lighting solution for modern interiors where people work, learn, and collaborate.



**Highest energy
- efficiency**



**Sustainability and
lower carbon footprint**



**Durability and low
maintenance costs**

Backpanel: efficient and sustainable

Backpanel supports sustainable building strategies by combining high efficiency of up to 171 lm/W with exceptionally long LED lifetime of up to 100,000 hours (L80/B10). This high-performance balance significantly reduces energy consumption while minimising maintenance needs and replacement cycles. The result is lower operating costs over time and a reduced environmental footprint, making Backpanel a reliable choice for projects focused on long-term efficiency and sustainability.



Backpanel at workplace lighting

Backpanel transforms workplaces, schools, and public interiors into comfortable spaces designed for performance and wellbeing. Its uniform light creates an environment that supports focus, reduces visual fatigue, and enhances everyday experiences — from offices and meeting rooms to lecture halls and educational spaces.



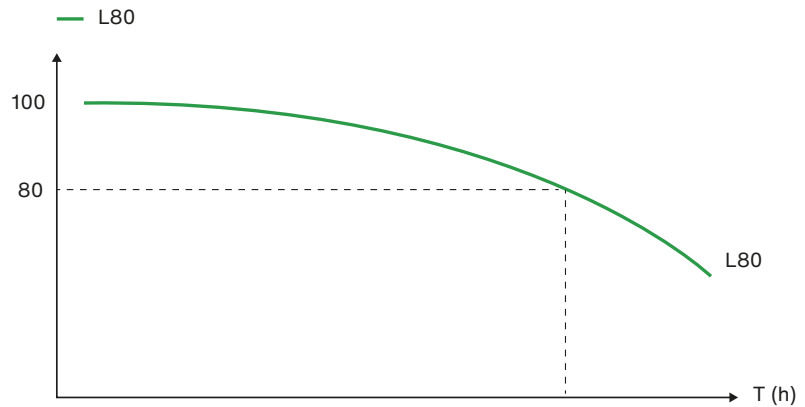
Employees wellbeing

By delivering balanced, glare-controlled illumination with UGR<19, Backpanel luminaires enhance visual comfort and concentration across office spaces.



Energy consumption improvement

Backpanel luminaires feature top-tier LED sources that maximise light output while consuming minimal energy, helping buildings significantly reduce their energy use and carbon footprint. With luminaire efficiencies reaching up to 171 lm/W, Backpanel supports green building certifications such as BREEAM and LEED.



TCO, (total cost of ownership) reduction

Backpanel is engineered for long-term performance, offering a lifespan of up to 100 000 hours (L80/B10), reducing the need for replacements and lowering ongoing maintenance costs. Combined with low energy consumption, premium electronic components, and durable materials, Backpanel helps optimise the Total Cost of Ownership. This means long-lasting, reliable performance, and strong ROI for facility managers and investors.

Backpanel family product highlights

Various sizes for versatile needs

Square and rectangular linear panel luminaires integrate seamlessly into a wide range of office layouts, ensuring architectural consistency.

Flexible installation options

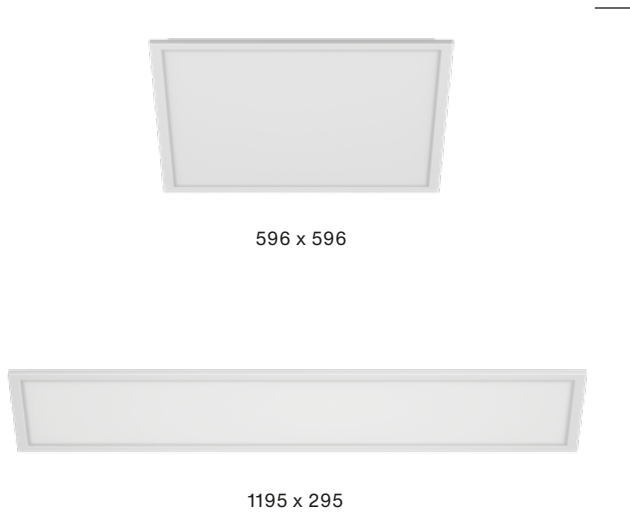
Mounted in suspended modular ceilings, plasterboard ceilings, or directly on the ceiling. With an adaptive frame and suspension options, it integrates seamlessly into a wide range of interior layouts, offering clean, and timeless look.

High quality diffusers with UGR<19 in micro-PRM versions

High-quality Micro-PRM diffuser deliver soft, uniform, low-glare lighting that enhances visual comfort, reduces eye strain, and supports better focus. Micro-PRM versions offer UGR<19.

Sizes possibilities

Square and rectangular panel luminaires, easily integrate into various office layouts, providing architectural coherence, thanks to the availability of sizes:



recessed
installation in module
ceilings as well as
plasterboard ceilings
(using accessories)



surface mounted
directly to ceiling
construction
(using accessories)



suspended
on slings
(using accessories)



up to
171
lm/W

High LED efficacy

Backpanel uses top-tier LED sources, some custom-designed to maximise efficiency and achieve module efficacy up to 171 lm/W.

CRI

Stable colour & CRI

Light quality is assured by high colour stability (≤ 3 SDCM) and superior colour rendering for accurate illumination.



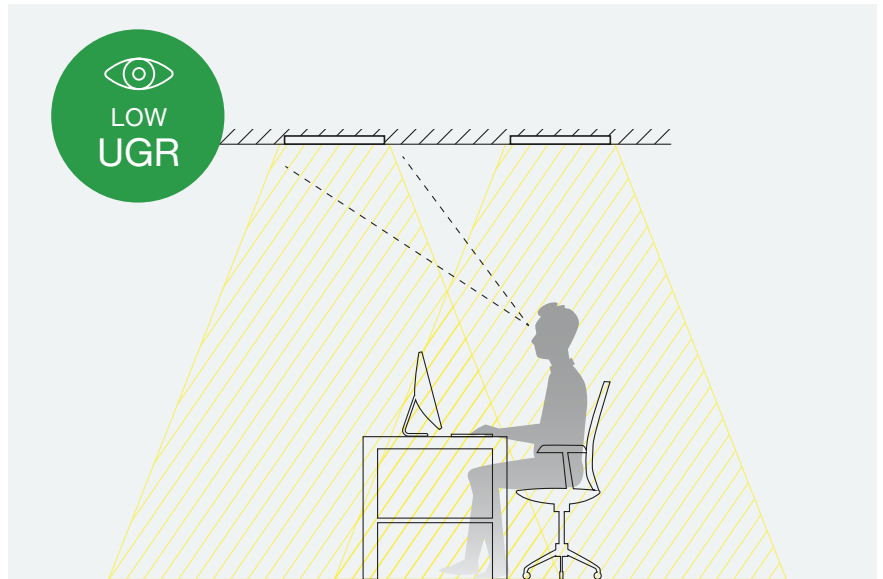
Certified components. UL & RoHS compliant

Optical components carry several certifications including CE, ENEC, RoHS, REACH, reflecting highest quality.



CCT range 2700–6500K

With Tunable White versions (available upon request), the light's colour temperatures range from a warm 2700K to a cool 6500K, providing versatile options for a variety of applications.



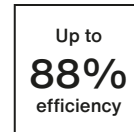
Low UGR

Backpanel features an advanced micro-PRM diffuser that ensures excellent visual comfort and uniform light distribution. With low glare performance (UGR < 19), it creates a pleasant working environment while maintaining high efficiency.



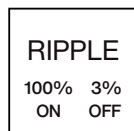
Protection

Outstanding characteristics in electronics, such as overload protection, short circuit protection, open circuit protection, overheat protection, SELV.



High efficiency

Excellent parameters such as a power factor above 0.95 and efficiency of up to 88% ensure high electrical network quality.



Low ripple

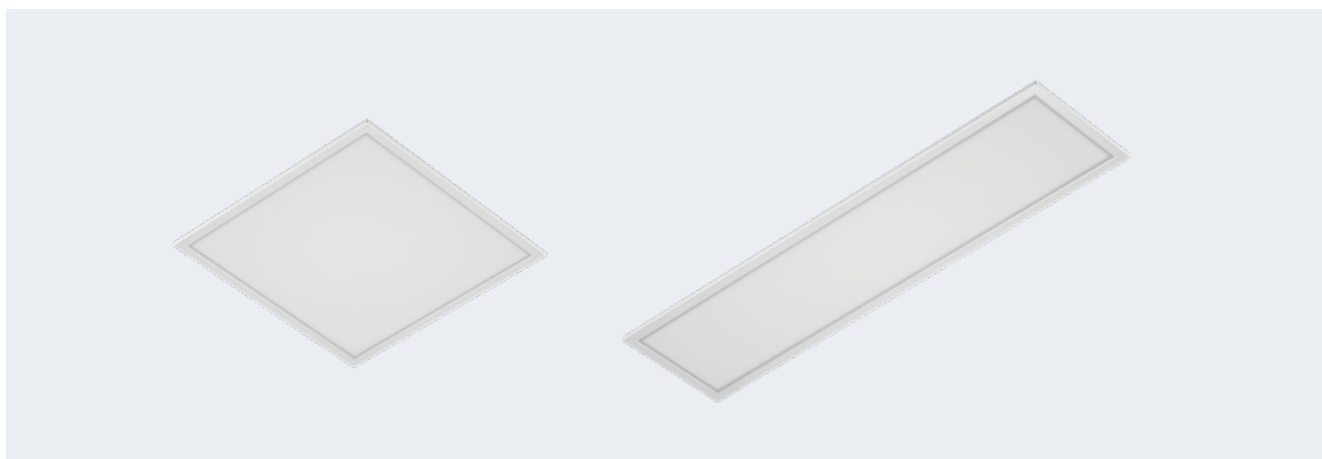
Excellent parameters include very low ripple (3%), precise output current tolerance.



DALI2 programmable

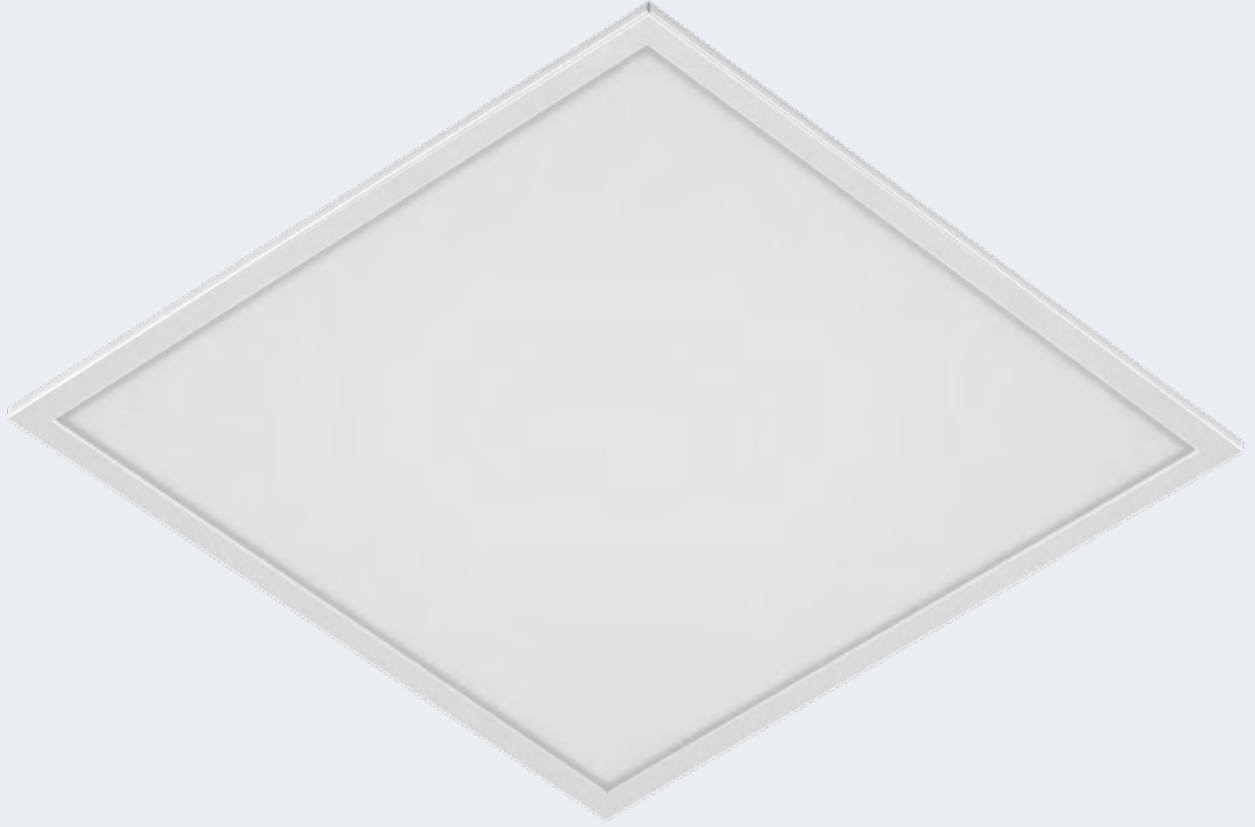
DALI versions are DALI2 certified, provide constant current output, and are programmable via DALI interface and NFC.

Backpanel range at a glance

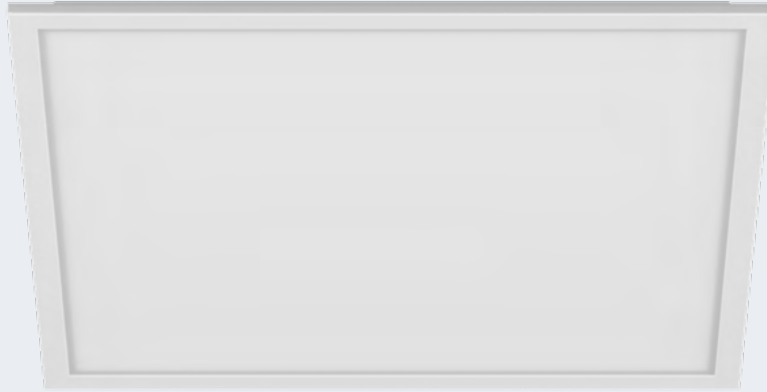


Backpanel LED

Technical parameters
<p>ON/OFF & DALI versions in standard up to 171 lm/W luminous efficiency of the luminaire Diffuser: Micro-PRM (micro-prismatic diffuser PMMA), PLX (PMMA opal) CRI>80 3000K, 4000K SDCM3 Steel sheet body Beam angle: 113,8° / 114,6°, 88,6° / 93°</p>
UGR<19 (for luminaire versions with a Micro-PRM diffuser only)
IP / IK
IK04
IP20/44
Power [W]
21-32
Luminous flux [lm]
3281-5246 lm
Efficiency
Up to 171 lm/W
LED lifespan
Up to 100 000 h L80/B10
Dimensions [mm]:
596 x 596 x 34
1195 x 295 x 34



Backpanel LED



Up to
171
lm/W

Flexible solution for every workspace

Backpanel is a modern LED panel delivering efficient, comfortable lighting for professional and public interiors.

Designed for offices, conference rooms, and public spaces, it provides uniform, high-quality illumination that enhances visual comfort and supports everyday tasks. Its versatile installation options—including modular and plasterboard ceilings, surface mounting, or suspended configurations—ensure easy integration into a wide range of architectural layouts. Available PLX and Micro-PRM diffusers further improve visual comfort by reducing glare, with UGR <19 options for demanding workspace applications (versions with a Micro-PRM diffuser only).



Backpanel LED

LUXIONA

Backpanel LED details

IP20 IP40	3000K	CRI >80	SDCM 3	UGR <19
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3000K, 100.000h L80, IP20/44, UGR<19

Diffuser	Beam	Driver	Luminous flux [lm]	Power [W]	Efficiency [lm/W]	Sales Index	Dimensions [mm]
						white	
Micro-PRM (micro-prismatic diffuser PMMA)	88,6° / 93°	ON/OFF	3281	20,6	159,2	19.4260.2111.34	1195 x 295 x 34
			3281	20,6	159,2	19.4260.1111.34	596 x 596 x 34
			4243	27,2	155,9	19.4260.2211.34	1195 x 295 x 34
			4243	27,2	155,9	19.4260.1211.34	596 x 596 x 34
			4873	31,8	153,2	19.4260.2311.34	1195 x 295 x 34
			4873	31,8	153,2	19.4260.1311.34	596 x 596 x 34
		DALI	3281	20,6	159,2	19.4260.2113.34	1195 x 295 x 34
			3281	20,6	159,2	19.4260.1113.34	596 x 596 x 34
			4243	27,2	155,9	19.4260.2213.34	1195 x 295 x 34
			4243	27,2	155,9	19.4260.1213.34	596 x 596 x 34
			4873	31,8	153,2	19.4260.2313.34	1195 x 295 x 34
			4873	31,8	153,2	19.4260.1313.34	596 x 596 x 34

IP20 IP40	3000K	CRI >80	SDCM 3
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3000K, 100.000h L80, IP20/44

Diffuser	Beam	Driver	Luminous flux [lm]	Power [W]	Efficiency [lm/W]	Sales Index	Dimensions [mm]
						white	
PLX (PMMA opal)	113,8° / 114,6°	ON/OFF	3355	20,6	162,8	19.4260.4111.34	1195 x 295 x 34
			3355	20,6	162,8	19.4260.3111.34	596 x 596 x 34
			4340	27,2	159,4	19.4260.4211.34	1195 x 295 x 34
			4340	27,2	159,4	19.4260.3211.34	596 x 596 x 34
			4984	31,8	156,7	19.4260.4311.34	1195 x 295 x 34
			4984	31,8	156,7	19.4260.3311.34	596 x 596 x 34
		DALI	3355	20,6	162,8	19.4260.4113.34	1195 x 295 x 34
			3355	20,6	162,8	19.4260.3113.34	596 x 596 x 34
			4340	27,2	159,4	19.4260.4213.34	1195 x 295 x 34
			4340	27,2	159,4	19.4260.3213.34	596 x 596 x 34
			4984	31,8	156,7	19.4260.4313.34	1195 x 295 x 34
			4984	31,8	156,7	19.4260.3313.34	596 x 596 x 34

Backpanel LED details

IP20 IP40	4000K	CRI >80	SDCM 3	UGR <19
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4000K, 100.000h L80, IP20/44, UGR<19

Diffuser	Beam	Driver	Luminous flux [lm]	Power [W]	Efficiency [lm/W]	Sales Index	Dimensions [mm]
						white	
Micro-PRM (micro-prismatic diffuser PMMA)	88,6° / 93°	ON/OFF	3453	20,6	167,6	19.4260.2121.34	1195 x 295 x 34
			3453	20,6	167,6	19.4260.1121.34	596 x 596 x 34
			4466	27,2	164,1	19.4260.2221.34	1195 x 295 x 34
			4466	27,2	164,1	19.4260.1221.34	596 x 596 x 34
			5130	31,8	161,3	19.4260.2321.34	1195 x 295 x 34
			5130	31,8	161,3	19.4260.1321.34	596 x 596 x 34
		DALI	3453	20,6	167,6	19.4260.2123.34	1195 x 295 x 34
			3453	20,6	167,6	19.4260.1123.34	596 x 596 x 34
			4466	27,2	164,1	19.4260.2223.34	1195 x 295 x 34
			4466	27,2	164,1	19.4260.1223.34	596 x 596 x 34
			5130	31,8	161,3	19.4260.2323.34	1195 x 295 x 34
			5130	31,8	161,3	19.4260.1323.34	596 x 596 x 34

IP20 IP40	4000K	CRI >80	SDCM 3
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4000K, 100.000h L80, IP20/44

Diffuser	Beam	Driver	Luminous flux [lm]	Power [W]	Efficiency [lm/W]	Sales Index	Dimensions [mm]
						white	
PLX (PMMA opal)	113,8° / 114,6°	ON/OFF	3532	20,6	171,4	19.4260.4121.34	1195 x 295 x 34
			3532	20,6	171,4	19.4260.3121.34	596 x 596 x 34
			4568	27,2	167,8	19.4260.4221.34	1195 x 295 x 34
			4568	27,2	167,8	19.4260.3221.34	596 x 596 x 34
			5246	31,8	164,9	19.4260.4321.34	1195 x 295 x 34
			5246	31,8	164,9	19.4260.3321.34	596 x 596 x 34
		DALI	3532	20,6	171,4	19.4260.4123.34	1195 x 295 x 34
			3532	20,6	171,4	19.4260.3123.34	596 x 596 x 34
			4568	27,2	167,8	19.4260.4223.34	1195 x 295 x 34
			4568	27,2	167,8	19.4260.3223.34	596 x 596 x 34
			5246	31,8	164,9	19.4260.4323.34	1195 x 295 x 34
			5246	31,8	164,9	19.4260.3323.34	596 x 596 x 34

Design
Customisation
Competitiveness

Our values

Design

At Luxiona, design is at the heart of our identity. With products conceived in Barcelona and developed in Poland, we combine European creativity and engineering excellence. Our portfolio covers a complete range of functional lighting solutions that are practical, easy to integrate, and simple to maintain—always with a focus on human comfort, both physiological and psychological.

Customisation

We create lighting that adapts to every project. From unique solutions that differentiate spaces to flexible development supported by our European factory, we provide tailored consultancy and agile response. This ensures solutions that address specific functional needs while meeting project requirements in the shortest possible time.

Competitiveness

Our competitiveness lies in delivering value without compromise. We combine proximity and service with high technical performance at an optimal price point. With more than a century of expertise and state-of-the-art innovation, we develop energy-efficient and sustainable solutions designed to perform today and endure tomorrow.



DESIGN PLUS

LUXIONA

LUXIONA worldwide

Commercial offices:
Spain, Poland, France, Italy, Germany

Logistics centre:
Spain

Production:
Poland / Spain (emergency)

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