

Design LED's award-winning solutions offer designers, architects and artists, the opportunity to create ultra-thin, flexible backlighting. The Light Tiles can be easily integrated into walls, ceilings and different types of furniture. Doing so will enhance the visual impact of architectural or retail applications producing edge to edge, homogeneous luminous surfaces. It's now possible to have single or double-sided illumination from a single Light Tile.

'Lomond' is an indoor backlighting module designed for lower power consumption and running costs. The optimised backlighting solution emits a great level of light suitable from small area integration to large-scale illumination projects.

Why Lomond:

- Energy efficient, edge to edge uniform backlighting
- On site customisation allows cut to fit in challenging installations, ensuring seamless integration
- Modular design allows simple and quick installation with standard mountings / fixings
- No complex additional accessories required
- Flexible & thin profile allows curved or complex shapes
- Cost optimised design, with low energy consumption and maintenance
- Compatible with all 24V DC standard power supplies, including dimmable



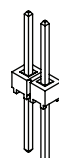
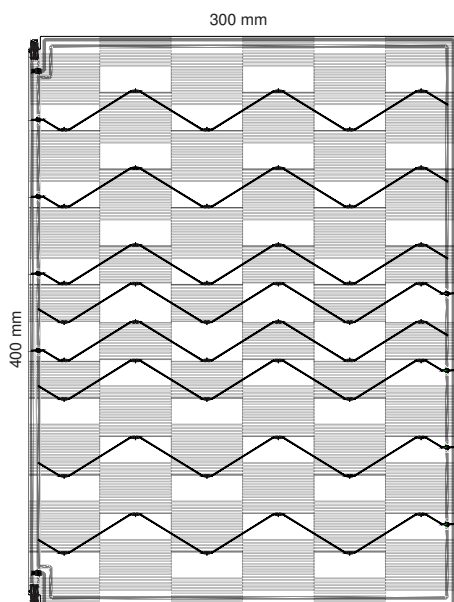
Technical Specification

Design LED Products offers a technical consulting service to ensure light and colour quality match your project specifications.

Electrical data		Photometric data	
Power consumption	4.3 W	Luminous flux	400 lm
Input voltage	24 V DC	Module efficacy	93 lm/W
Cable required	AWG 22	CCT	3000 K, 4000 K, 6500 K
Max. number of serially connected modules	16 modules	CRI	85 Ra
		Lumen maintenance	L70, B50 @ +25 °C > 50,000 hrs

Certifications & Safety		Physical data	
Standards	CE	Length	400 mm
Module IP Rating	20	Width	300 mm
Energy efficiency class	A+	Module height	2 mm
Module material	PET + PU (UL94-HB)	Weight	270 g
Connector material	Nylon 6 (UL94 V0)	Min. Bend radius ^{a)}	100 mm
		Operating temperatures	-20 °C ... +50 °C

Dimensions



Interconnect Pin

Pin length 18mm
Pitch 2.5 mm

To download a complete installation guide
please visit our website www.designledproducts.com

^{a)} Ideal for a 1D curve. Contact us for design assistance.

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Product Order Codes

Backlighting Solutions	Product Order Codes	EAN Number
Lomond, 10000K, 70 CRI	LO3040-65K-SV-048-A2	5060433680311
Lomond, 10000K, 85 CRI	LO3040-65K-OS-048-A2	5060433680304
Lomond, 5000K, 85 CRI	LO3040-40K-OS-048-A2	5060433680762
Lomond, 3000K, 85 CRI	LO3040-30K-OS-048-A2	5060433680557

Power Supplies*	Product Order Codes	EAN Number
Osram 240W 24V IP67	PS2402467ND	5060433680625
Meanwell 120W 24V IP65	PS1202465ND	5060433680632
Osram 75W 24V IP64	PS752464ND	5060433680724
Osram 50W 24V IP66	PS502466ND	5060433680533
Osram 50W 24V IP20	PS502420ND	5060433680823
Osram 30W 24V IP66	PS302466ND	5060433680526
Meanwell 25W 24V IP42 (US compatible)	PS252442ND	5060433680816
Osram 20W 24V IP20	PS202420ND	5060433680618
Power Pax Plug Top 15W 24V IP20 (requires IDPCA2300BC)	PS152420ND	5060433680540

*Guidance on Power Supplies & Controls available upon request

Cables & Connectors	Product Order Codes	EAN Number
Input Power Cable Assembly with male connector, 400 mm	IDPCA2400MC	5060433680663
Input Power Cable Assembly with barrel connector, 300 mm	IDPCA2300BC	5060433680410
Interconnect Cable Assembly with pair of male connector, 350 mm	IDICA2350MC	5060433680403
Interconnect Pins	INIPINS	5060433680427

Installation Systems	Product Order Codes	EAN Number
4 ways Mounting Bracket	ISBL014MB	5060433680335
2 Ways Mounting Bracket	ISBL012MB	5060433680342
Push Fastener	ISBL01PF	5060433680352
Signage Grip	ISBL01SG	5060433680366
Stand-off Fastener	ISBL01SF	5060433680377
Wire Termination Cap	ISBL01WT	5060433680830

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