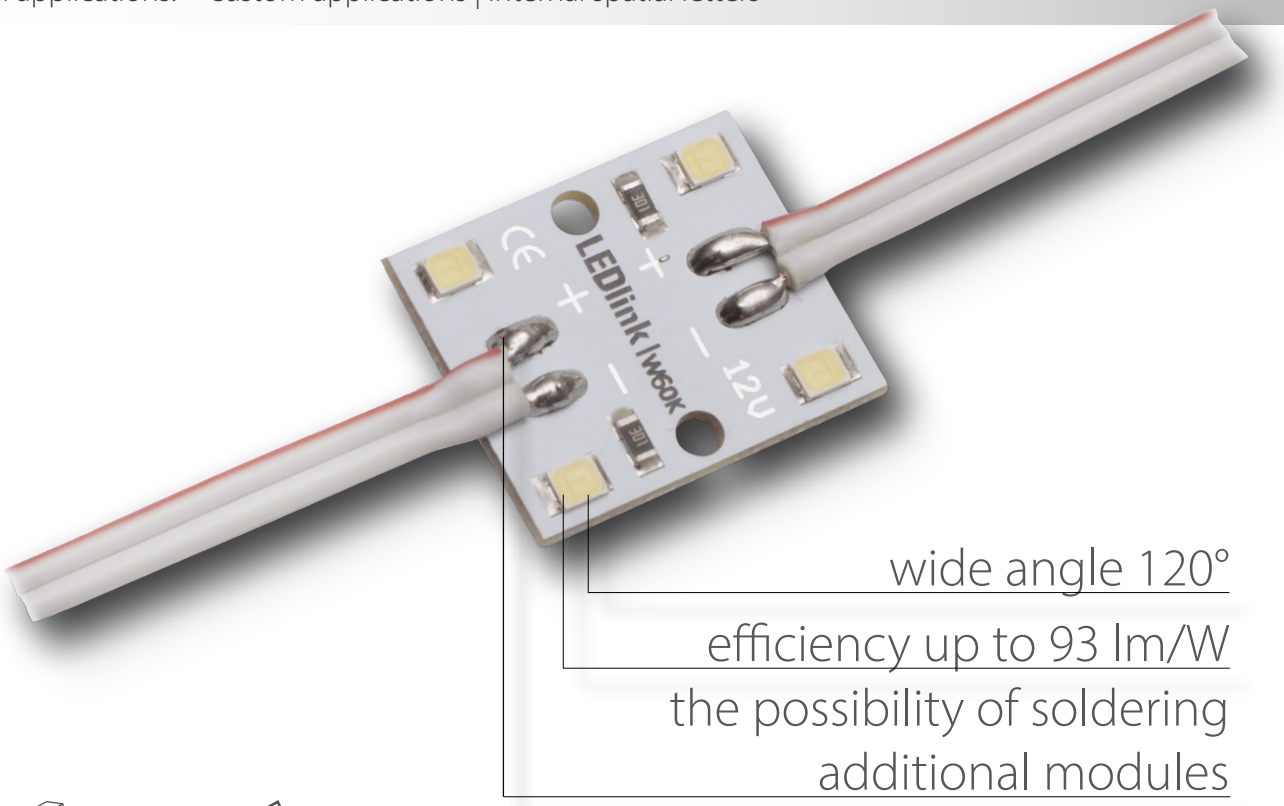
TYPE: LED MODULE

mini 4D

Typical applications: custom applications | internal spatial letters



SHALL LETTERS SPATIAL

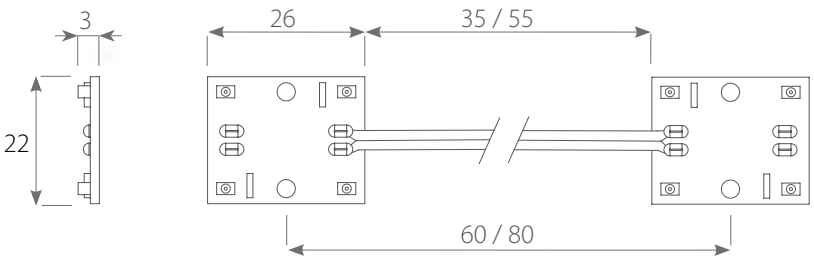
CUSTOM APPLICATIONS

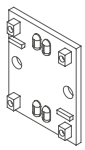
WIDE RANGE OF TEMPERATURE

4 years warranty | DC 12V | 50 000h | CE

Mini$_{4D}$ module is an excellent choice for indoor advertising, and POS systems. Compact dimensions are it's main advantage. The length of the cables between the modules can be adapted according to customer requirements. Mounting holes facilitate assembly. It is possible to connect up to 70 modules in series. Thanks to solder pads it is possible to add additional modules in the place of application.

DIMENSION [mm]





LEDlink

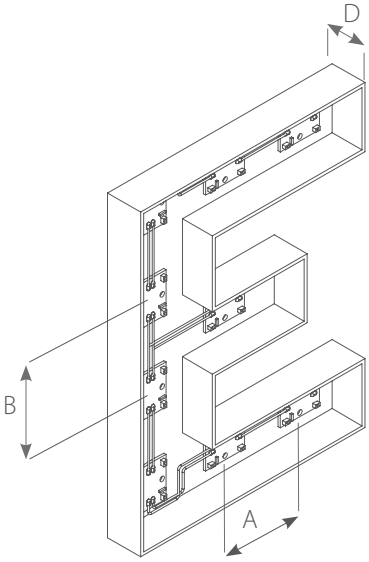
www.ledlink.de

DANE TECHNICZNE

Typ	mini$_{4D}$					
	W8K	W6K	W3K	R	G	B
Symbol	M12020X*	M12016X*	M12011X*	M12030X*	M12031X*	M12032X*
Color	white 8000K*	white 6000K*	white 3000K*	red	green	blue
Voltage [V DC]	12	12	12	12	12	12
Current [mA]	40	40	40	40	40	40
Power consumption [W]	0,48	0,48	0,48	0,48	0,48	0,48
Luminous flux [lm]	28	45	28	9	15	3
Light output [lm/W]	58	93	58	19	31	6
Beam angle [°]	120	120	120	120	120	120
Degree of protection	IP20	IP20	IP20	IP20	IP20	IP20
Wavelength [µm]	-	-	-	625	525	460
Operating temperature [°C]	-20 - +60	-20 - +60	-20 - +60	-20 - +60	-20 - +60	-20 - +60
LEDs	SMD3528	OSRAM	SMD3528	SMD3528	SMD3528	SMD3528
Max. Number of modules in series [pcs.]	70	70	70	70	70	70
Lifetime [h]	50.000	50.000	50.000	50.000	50.000	50.000
Warranty [mc]	48	48	48	48	48	48
Packing [pcs.]	70	70	70	70	70	70

* X - means the distance between modules (from center to center): 1 - 60 mm version, 2 - 80 mm version
* other available color temperatures: mini$_{4D}$ W10K (10000K) SMD3528 - M12023X*, mini$_{4D}$ W5K (5000K) OSRAM - M12014X*, mini$_{4D}$ W4K (4000K) OSRAM - M12013X*, mini$_{4D}$ O (orange 606 µm) OSRAM - M12035X*

APPLICATION EXAMPLE



D - Depth

MOUNTING EXAMPLE*

D [mm]	A [mm]	B [mm]	Brightness* [cd/m²]
50	50	50	5729
60	60	60	3975
80	70	70	2920
100	80	80	2238
120	80	100	1790

* the grid can change depending on the illuminated material
* brightness parameter calculated for the module in white with the OSRAM diode used

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