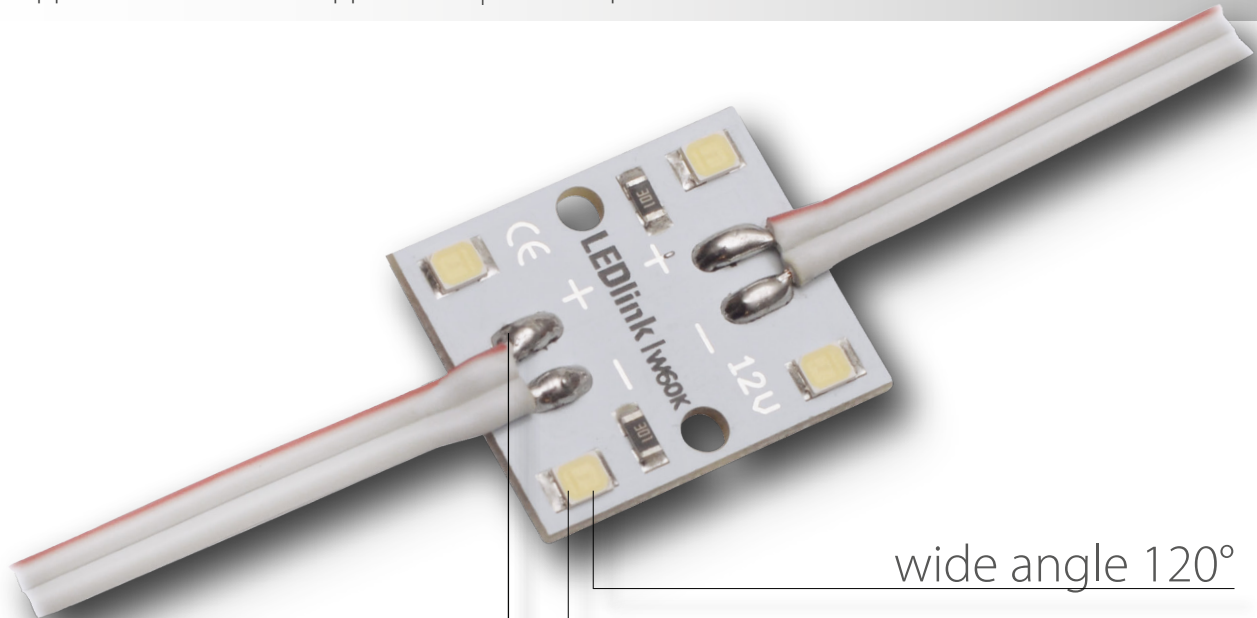


TYPE:

LED MODULES

mini_{4D}

Typical applications: custom applications | internal spatial letters

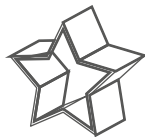


wide angle 120°

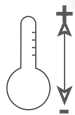
efficiency up to 93 lm/W
the possibility of soldering
additional modules



SHALL LETTERS
SPATIAL



CUSTOM
APPLICATIONS



WIDE RANGE OF
TEMPERATURE

4 years
warranty

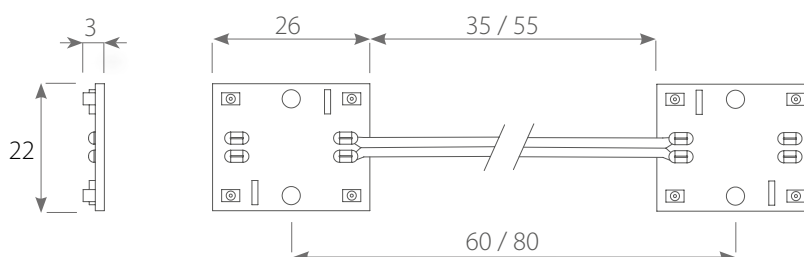
DC
12V

50 000h



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

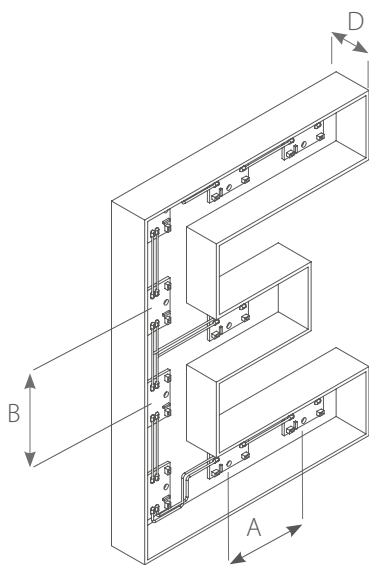
www.ledlink.pl

Typ	mini _{4D}					
	W80K	W60K	W30K	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} W100K (10000K) SMD3528 - M12023X*, mini_{4D} W50K (5000K) OSRAM - M12014X*, mini_{4D} W40K (4000K) OSRAM - M12013X*, mini_{4D} O (orange 606 µm) OSRAM - M12035X*

APPLICATION EXAMPLE



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

D - Depth

TABLE OF CONTENTS 