ultraFLAT₁

Typical applications: custom applications | internal spatial letters
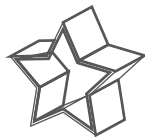
CRI >90

wide angle 175°

efficiency 105 lm/W

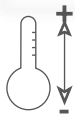the possibility of soldering additional modules

SHALL LETTERS SPATIAL

CUSTOM APPLICATIONS

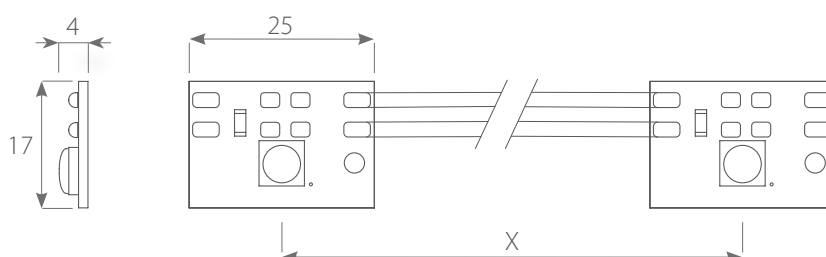**WIDE RANGE OF TEMPERATURE**

5 years warranty

DC 12V

50 000h

CE

The ultraFLAT₁ is a compact module for indoor use. It is ideal for extremely flat lightboxes and profile letters. The module has a special 175° lens, which directs the light almost exclusively to the sides and thus guarantees a homogeneous illumination. The design of the module allows very flexibly and fast on the spot soldering more modules.
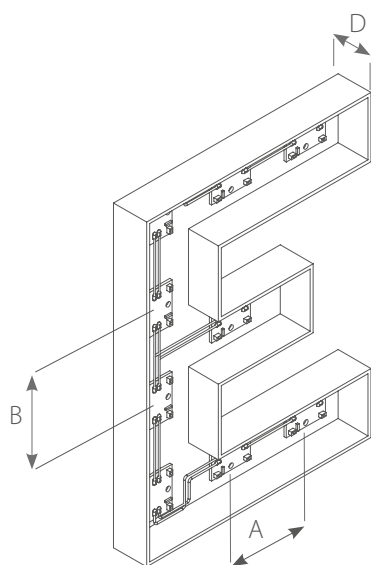
DIMENSION [mm]

4

17

25

X

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TECHNICAL DATA

Typ	ultraFLAT$_1$
	W65K
Symbol	M18017X*
Color	white 6500K
Voltage [V DC]	12
Current [mA]	60
Power consumption [W]	0,72
Luminous flux [lm]	75
Light output [lm/W]	105
Beam angle [°]	175
Degree of protection	IP20
Operating temperature [°C]	-20 - +60
LEDs	SMD LENS
Max. Number of modules in series [pcs.]	50
Lifetime [h]	50.000
Warranty [mc]	60
Packing [pcs.]	50

* X - means the distance between the modules (from center to center): 0 = 70 mm version, 1 = 90 mm version, 2 = 120 mm version,
At the customer's request, it is possible to adjust the individual distance between the modules.

APPLICATION EXAMPLE

MOUNTING EXAMPLE*

D [mm]	A [mm]	B [mm]	Brightness* [cd/m^2]
30	50	50	4992
40	70	70	2548
50	90	90	1540
60	110	110	1031

* the grid can change depending on the illuminated material

D - Depth

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