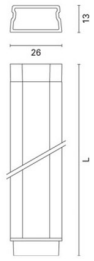
Underscore X26

Design iGuzzini **iGuzzini**

Last information update: June 2023

Product configuration: M857
M857: X26 surface 500 High Flux



Product code
M857: X26 surface 500 High Flux **Attention! Code no longer in production**

Technical description
Rigid-profile product for linear LED lighting, designed to be surface-mounted. Extruded aluminium bar structure, with diffusing opal polycarbonate linear screen. Moulded polycarbonate sides and end closing caps. Removing the end closing caps allows direct connection to the next profile thanks to a practical quick-coupling system. Version with 6 LED 24Vdc high emission module (total 6W) - white colour, warm white tone (3100K) colour rendering index - CRI 95 (recommended for use in museums). Ballast not included.

Installation
Profile snap-on fixing on accessory clips (MWJ8); the clips are fixed to the installation surface with screws and screw anchors (not included). Other fixing systems are available: adjustable arms (MWJ5 - L100; MWJ6 - L200), adjustable base (MWJ4)

Colour
Aluminium (12)

Mounting
wall surface|ceiling surface

Wiring
Constant voltage ballasts to be ordered separately: electronic 50W 24V (MWK4) - electronic 70W 24V dimmable 1-10V (MWK5). Power supply end cap with cable (MWJ9 - for connection to the ballast); intermediate power supply cap with cable (MWK0 - for connection between modules)

Notes
For fixing, connections and power supply, use the components available with a separate code.

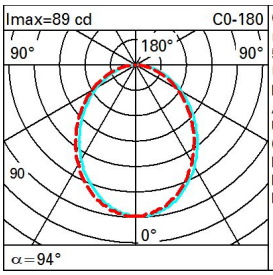
Complies with EN60598-1 and pertinent regulations

IP40 pending

Technical data

lm system:	211	Colour temperature [K]:	3000
W system:	7.1	Life Time LED 1:	50,000h - L70 - B20 (Ta 25°C)
lm source:	420	Ballast losses [W]:	0.8
W source:	6.3	Lamp code:	LED
Luminous efficiency (lm/W, real value):	29.7	Number of lamps for optical assembly:	1
lm in emergency mode:	-	ZVEI Code:	LED
Total light flux at or above an angle of 90° [Lm]:	0	Number of optical assemblies:	1
Light Output Ratio (L.O.R.) [%]:	50	LED current [mA]:	350
CRI (minimum):	95		

Polar



CIE
nL 0.50
51-81-96-100-50
UGR 22.6-21.8
DIN
A.41
UTE
0.50D+0.00T
F"1=514
F"1+F"2=809
F"1+F"2+F"3=958

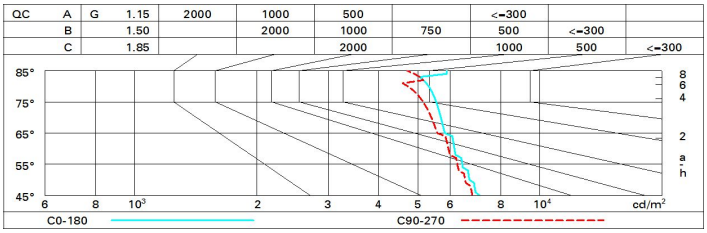
Lux

h	d1	d2	Em	Emax
1	2.1	2.1	55	89
2	4.3	4.3	14	22
3	6.4	6.4	6	10
4	8.6	8.6	3	6

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	34	29	25	22	28	25	24	21	42
1.0	37	32	29	26	32	28	28	25	49
1.5	42	38	35	33	37	35	34	31	62
2.0	45	42	39	37	41	39	38	35	70
2.5	47	44	42	40	43	41	41	38	76
3.0	48	46	44	42	45	43	42	40	79
4.0	50	48	46	45	47	45	45	42	84
5.0	51	49	48	47	48	47	46	44	87

Luminance curve limit



UGR diagram

Corrected UGR values (at 433 lm bare lamp luminous flux)

Riflect.: ceil/cav		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
walls		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30
work pl.		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Room dim				viewed crosswise					viewed endwise		
x	y										
2H	2H	18.7	19.8	19.0	20.1	20.4	18.5	19.7	18.9	20.0	20.2
	3H	20.2	21.2	20.5	21.5	21.8	19.0	20.1	19.4	20.4	20.7
	4H	20.8	21.8	21.2	22.1	22.5	19.2	20.2	19.6	20.5	20.8
	6H	21.4	22.3	21.8	22.6	23.0	19.3	20.2	19.7	20.5	20.9
	8H	21.6	22.5	22.0	22.8	23.2	19.3	20.2	19.7	20.5	20.9
	12H	21.8	22.6	22.2	23.0	23.3	19.3	20.1	19.7	20.5	20.9
4H	2H	19.3	20.3	19.6	20.6	20.9	20.5	21.5	20.8	21.8	22.1
	3H	21.0	21.8	21.4	22.2	22.5	21.2	22.0	21.6	22.4	22.7
	4H	21.7	22.5	22.1	22.9	23.3	21.5	22.2	21.9	22.6	23.0
	6H	22.4	23.0	22.8	23.4	23.9	21.7	22.4	22.2	22.8	23.2
	8H	22.6	23.2	23.1	23.7	24.1	21.8	22.4	22.2	22.8	23.3
	12H	22.9	23.4	23.3	23.8	24.3	21.8	22.4	22.3	22.8	23.3
8H	4H	22.0	22.6	22.4	23.0	23.5	22.2	22.8	22.7	23.2	23.7
	6H	22.8	23.3	23.3	23.7	24.2	22.6	23.1	23.1	23.6	24.0
	8H	23.1	23.5	23.6	24.0	24.5	22.8	23.2	23.3	23.7	24.2
	12H	23.4	23.8	23.9	24.3	24.8	22.9	23.3	23.4	23.8	24.3
12H	4H	22.0	22.6	22.5	23.0	23.5	22.3	22.9	22.8	23.3	23.8
	6H	22.8	23.3	23.3	23.7	24.2	22.8	23.2	23.3	23.7	24.2
	8H	23.2	23.6	23.7	24.1	24.6	23.0	23.4	23.5	23.8	24.4

Variations with the observer position at spacing:

S =			
	1.0H	0.1 / -0.1	0.1 / -0.1
	1.5H	0.2 / -0.3	0.2 / -0.4
	2.0H	0.5 / -0.6	0.4 / -0.7