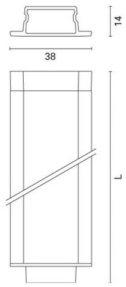
Underscore X26

Design iGuzzini **iGuzzini**

Last information update: June 2023

Product configuration: M890
M890: X26 recessed 1500 High Flux



Product code
M890: X26 recessed 1500 High Flux **Attention! Code no longer in production**

Technical description
Rigid-profile product for linear LED lighting, designed to be recessed. Extruded aluminium bar structure with contact frame. Diffusing opal polycarbonate linear screen. Moulded polycarbonate sides and end closing caps. The product has contact springs for recessed application in blind holes (shelves). Use the accessory springs for insertion in supports with through holes. Version with 18 LED 24Vdc high emission module (total 18W) - white colour, warm white tone (3100K) colour rendering index - CRI 95 (recommended for use in museums). Ballast not included

Installation
Pressed into blind hole previously prepared, using contact springs supplied with the luminaire. For applications with through holes, remove the contact springs and use the accessory kit (MWK3) for standard recessed fixing (1 to 30 mm false ceilings)

Colour
Clear transparent (24) | 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 (MWK1 - for connection to the ballast); intermediate power supply cap with cable (MWK2 - for connection between modules)

Notes
For fixing, connections and power supply, use the components available with a separate code. For large installations and considerable lengths, DIN rail mounted electronic ballasts can be used: 9910 (72W) - 9911 (96W) - 9912 (240W)

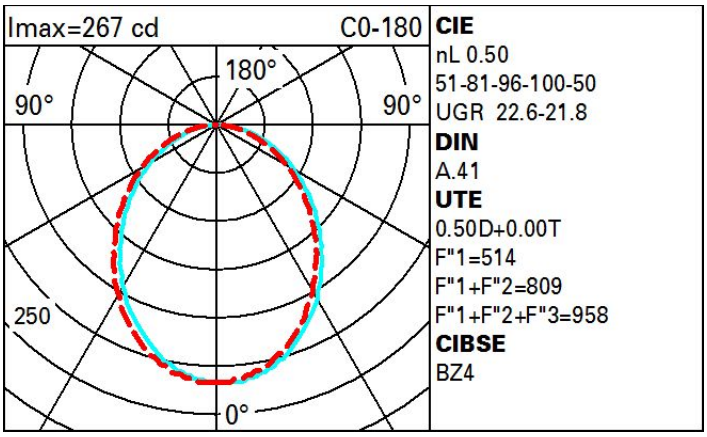
Complies with EN60598-1 and pertinent regulations

IP40

Technical data

lm system:	633	CRI:	95
W system:	21.4	Colour temperature [K]:	3000
lm source:	1260	Life Time LED 1:	50,000h - L70 - B20 (Ta 25°C)
W source:	19	Ballast losses [W]:	2.4
Luminous efficiency (lm/W, real value):	29.6	Lamp code:	LED
lm in emergency mode:	-	Number of lamps for optical assembly:	1
Total light flux at or above an angle of 90° [Lm]:	0	ZVEI Code:	LED
Light Output Ratio (L.O.R.) [%]:	50	Number of optical assemblies:	1

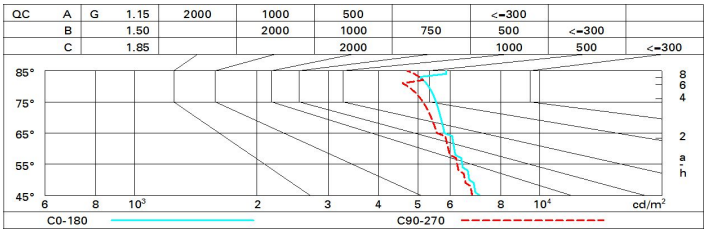
Polar



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 1299 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