

Central

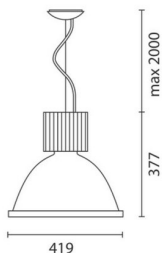
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Last information update: February 2023

Product configuration: SM09+L123

SM09: Suspension with aluminium screen for direct light



Product code

SM09: Suspension with aluminium screen for direct light **Attention! Code no longer in production**

Technical description

Suspended fitting with fluorescent lamp for direct light. It is made up of a spun-aluminium bowl-shaped diffuser and a built-in moulded-polycarbonate box housing the technical components for the compact fluorescent source. The protection screen with a texturised surface is housed inside the lower technopolymer ring and has a practical releasing system and a safety cable. Sheet-steel ceiling attachment and external polycarbonate rose. Plasticised-steel suspension cable and transparent power-supply cable.

Installation

Suspended. The base is fixed to the ceiling by means of Fischer screws.

Colour

Dark grey / Aluminium (D6)

Mounting

ceiling pendant

Wiring

Mains voltage - components for fluorescent lamps included

Notes

Complete with suspension and power-supply cables.

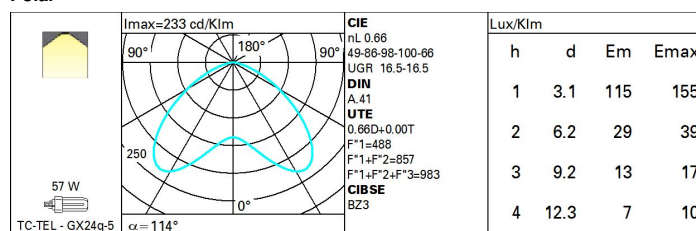
Complies with EN60598-1 and pertinent regulations



Technical data

Im system:	2858,6	CRI:	86
W system:	62	Colour temperature [K]:	4000
Im source:	4300	Ballast losses [W]:	5
W source:	57	Voltage [Vin]:	230
Luminous efficiency (Im/W, real value):	46,1	Lamp code:	L123
Im in emergency mode:	-	Socket:	GX24q-5
Total light flux at or above an angle of 90° [Lm]:	0	Number of lamps for optical assembly:	1
Light Output Ratio (L.O.R.) [%]:	66	ZVEI Code:	TC-TEL
Beam angle [°]:	114°	Number of optical assemblies:	1

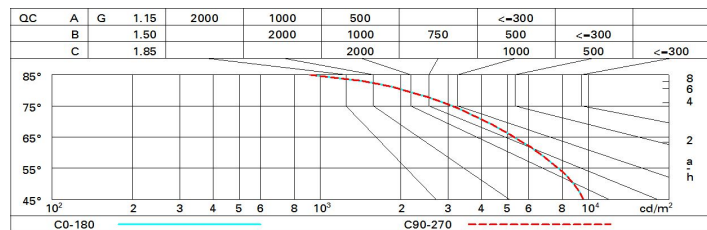
Polar



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	44	37	32	28	36	32	31	27	40
1.0	49	42	38	34	41	37	37	32	49
1.5	56	51	47	44	50	46	46	42	62
2.0	60	56	53	50	55	52	51	47	71
2.5	63	59	56	54	58	55	55	51	77
3.0	64	61	59	57	60	58	57	54	81
4.0	66	64	62	60	62	61	60	57	85
5.0	67	65	64	62	64	62	61	58	88

Luminance curve limit



UGR diagram

Photometric curve code: SM090000.121										
Unorrected UGR values (at 1000 lm bare lamp luminous flux)										
Reflect.:										
ceiling	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										
x										
y										
viewed										
crosswise										
viewed										
endwise										
2H	2H	14.9	16.0	15.2	16.2	16.5	14.9	16.0	15.2	16.2
	3H	15.7	16.6	16.0	16.9	17.2	15.3	16.2	15.6	16.5
	4H	15.8	16.7	16.2	17.0	17.3	15.3	16.2	15.7	16.5
	6H	15.9	16.7	16.3	17.0	17.4	15.3	16.1	15.7	16.5
	8H	15.9	16.7	16.3	17.0	17.4	15.3	16.1	15.7	16.4
	12H	15.9	16.6	16.3	17.0	17.3	15.3	16.0	15.7	16.3
4H	2H	15.3	16.2	15.7	16.5	16.8	15.8	16.7	16.2	17.0
	3H	16.2	16.9	16.6	17.3	17.6	16.3	17.0	16.7	17.4
	4H	16.4	17.1	16.8	17.4	17.8	16.4	17.1	16.8	17.4
	6H	16.5	17.1	17.0	17.5	17.9	16.5	17.0	16.9	17.4
	8H	16.5	17.1	17.0	17.5	17.9	16.5	17.0	16.9	17.4
	12H	16.5	17.0	17.0	17.4	17.9	16.4	16.9	16.9	17.3
8H	4H	16.5	17.0	16.9	17.4	17.8	16.5	17.1	17.0	17.5
	6H	16.6	17.1	17.1	17.5	18.0	16.6	17.1	17.1	17.5
	8H	16.6	17.0	17.1	17.5	18.0	16.6	17.0	17.1	17.5
	12H	16.6	16.9	17.1	17.4	18.0	16.6	16.9	17.1	17.4
12H	4H	16.4	16.9	16.9	17.3	17.8	16.5	17.0	17.0	17.4
	6H	16.6	17.0	17.1	17.4	17.9	16.6	17.0	17.1	17.4
	8H	16.6	16.9	17.1	17.4	18.0	16.6	16.9	17.1	17.4
Variations with the observer position at spacing:										
S =	1.0H		0.3	/	-0.3			0.3	/	-0.3
	1.5H		0.6	/	-1.1			0.6	/	-1.1
	2.0H		1.3	/	-1.9			1.3	/	-1.9