Mini Light Air

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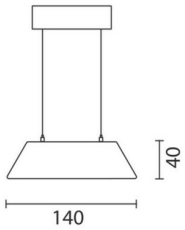
Last information update: February 2023

Product configuration: M106+L092
M106: Individual pendant Dark-VDU L≤1000cd/m2 α>65° up/down with electronic control gear T1628/54W



Product code
M106: Individual pendant Dark-VDU L≤1000cd/m2 α>65° up/down with electronic control gear T1628/54W **Attention! Code no longer in production**

Technical description
Suspended lighting system designed for fluorescent light sources with up/down dark light luminous emission. The product permits down-light-only emission by means of a top cover made of plastic material. Controlled-luminance optic L ≤ 1000 cd/m² for at > 65° suitable for use in environments with VDUs according to standard EN 12464-1. The lamellar optic with bi-parabolic profile is made of anodised specular superpure aluminium. The structure of the fitting is made of galvanised painted sheet-steel; the lamp-holding supports are made of galvanised painted sheet-steel; the end caps are made of polycarbonate. The top protection screen (to be ordered separately) is made of transparent polycarbonate subjected to anti-UV treatment. The power-supply cable is transparent and the cables are subjected to antioxidant treatment. The suspension system is included in the fitting.

Installation
Suspended installation. The suspension system, supplied with the product, is provided with sheet-steel supporting plates, polycarbonate covering bases and steel suspension cables with millimetric adjustment system (applied to the modules).

Colour
White (01) | Grey (15)

Mounting
ceiling pendant

Wiring
The fitting is equipped with 28/54W T16 Multiwatt electronic ballast.

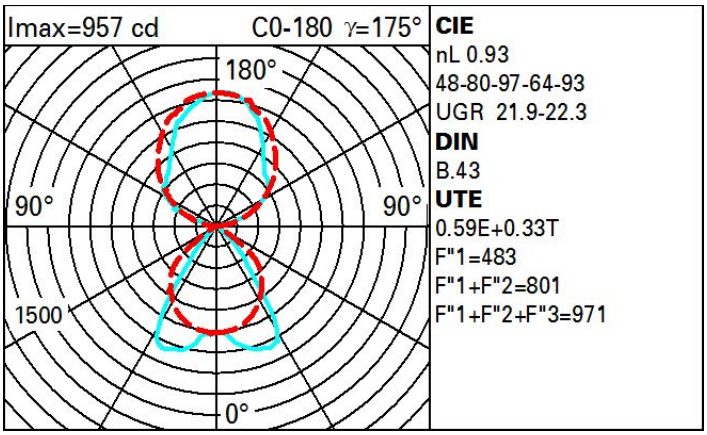
Complies with EN60598-1 and pertinent regulations

850°C IP20

Technical data

lm system:	3755	Colour temperature [K]:	6500
W system:	62	Ballast losses [W]:	8
lm source:	4050	Voltage [Vin]:	230
W source:	54	Lamp code:	L092
Luminous efficiency (lm/W, real value):	60.6	Socket:	G5
lm in emergency mode:	-	Number of lamps for optical assembly:	1
Total light flux at or above an angle of 90° [Lm]:	2406	ZVEI Code:	T 16
Light Output Ratio (L.O.R.) [%]:	93	Number of optical assemblies:	1
CRI:	86		

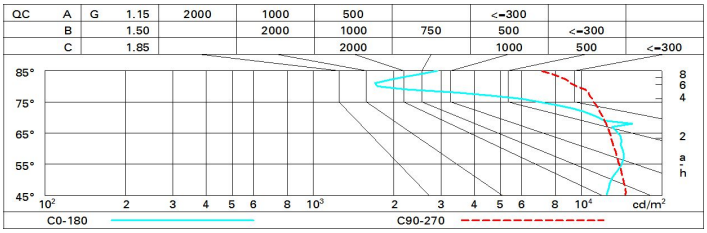
Polar



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	54	45	39	34	40	35	32	24	40
1.0	59	51	45	40	46	41	37	28	47
1.5	68	61	56	52	55	51	46	36	60
2.0	73	68	63	59	61	57	52	41	69
2.5	76	72	68	64	65	61	55	45	75
3.0	79	75	71	68	67	64	58	47	79
4.0	81	78	75	73	70	68	61	50	84
5.0	83	80	78	76	72	70	63	52	87

Luminance curve limit



UGR diagram

Corrected UGR values (at 4050 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	19.5	20.2	20.2	21.0	22.0	19.5	20.2	20.2	21.0	22.0
	3H	21.0	21.7	21.8	22.5	23.5	19.9	20.6	20.7	21.4	22.4
	4H	21.2	21.8	22.0	22.6	23.7	20.1	20.7	20.9	21.6	22.6
	6H	21.1	21.7	22.0	22.5	23.6	20.1	20.7	20.9	21.5	22.6
	8H	21.1	21.7	21.9	22.5	23.5	20.1	20.7	20.9	21.5	22.5
	12H	21.0	21.6	21.9	22.4	23.5	20.0	20.6	20.9	21.4	22.5
4H	2H	20.1	20.7	20.9	21.6	22.6	21.4	22.1	22.3	22.9	23.9
	3H	21.7	22.2	22.5	23.1	24.1	22.0	22.6	22.9	23.4	24.5
	4H	21.9	22.4	22.8	23.3	24.3	22.3	22.7	23.1	23.6	24.7
	6H	21.9	22.3	22.8	23.2	24.3	22.4	22.8	23.2	23.7	24.8
	8H	21.9	22.2	22.8	23.1	24.2	22.3	22.7	23.2	23.6	24.7
	12H	21.8	22.2	22.7	23.0	24.2	22.3	22.6	23.2	23.5	24.6
8H	4H	22.0	22.4	22.9	23.3	24.4	22.9	23.2	23.8	24.1	25.2
	6H	22.0	22.4	23.0	23.3	24.4	23.1	23.4	24.0	24.3	25.4
	8H	22.0	22.3	22.9	23.2	24.3	23.1	23.3	24.0	24.3	25.4
	12H	22.0	22.2	22.9	23.1	24.3	23.1	23.3	24.0	24.2	25.4
12H	4H	22.0	22.4	22.9	23.2	24.4	22.9	23.3	23.8	24.2	25.3
	6H	22.0	22.3	22.9	23.2	24.4	23.1	23.4	24.1	24.3	25.5
	8H	22.0	22.2	23.0	23.2	24.3	23.2	23.4	24.1	24.4	25.5

Variations with the observer position at spacing:

S =			
	1.0H	0.1 / -0.1	0.1 / -0.1
	1.5H	0.4 / -0.6	0.2 / -0.3
	2.0H	0.6 / -0.8	0.5 / -0.6