Mini Light Air

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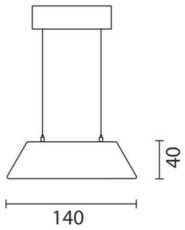
Product configuration: M108+L147
M108: Individual pendant Dark-VDU L≤1000cd/m2 α>65° up/down with digital dimmable electronic control gear DALI T16 35/49/80W



Product code
M108: Individual pendant Dark-VDU L≤1000cd/m2 α>65° up/down with digital dimmable electronic control gear DALI T16 35/49/80W
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 provided with DALI dimmable electronic ballast and is designed for switch-dim, with possibility of regulation also by means of an ordinary electrical button.

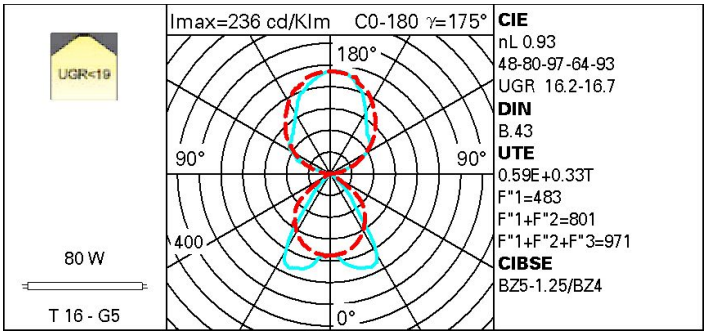
Complies with EN60598-1 and pertinent regulations

850°C IP20

Technical data

lm system:	5701,7	Colour temperature [K]:	4000
W system:	91	Ballast losses [W]:	11
lm source:	6150	Voltage [Vin]:	230
W source:	80	Lamp code:	L147
Luminous efficiency (lm/W, real value):	62,7	Socket:	G5
lm in emergency mode:	-	Number of lamps for optical assembly:	1
Total light flux at or above an angle of 90° [Lm]:	3653,1	ZVEI Code:	T 16
Light Output Ratio (L.O.R.) [%]:	93	Number of optical assemblies:	1
CRI:	86	Control:	DALI

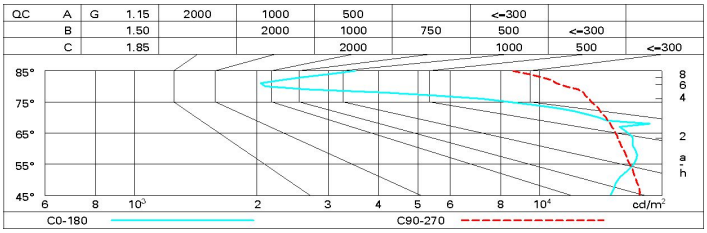
Polar



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

Photometric curve code: 31880000.147
Uncorrected UGR values (at 1000 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	13.8	14.6	14.6	15.4	16.3	13.8	14.6	14.6	15.3	16.3
	3H	15.3	16.0	16.1	16.8	17.8	14.3	14.9	15.0	15.7	16.7
	4H	15.5	16.2	16.3	17.0	18.0	14.4	15.1	15.2	15.9	16.9
	6H	15.5	16.0	16.3	16.9	17.9	14.5	15.0	15.3	15.9	16.9
	8H	15.4	16.0	16.3	16.8	17.9	14.4	15.0	15.3	15.8	16.9
	12H	15.4	15.9	16.2	16.8	17.8	14.4	14.9	15.2	15.7	16.8
4H	2H	14.4	15.1	15.2	15.9	16.9	15.8	16.4	16.6	17.2	18.2
	3H	16.0	16.6	16.9	17.4	18.4	16.4	16.9	17.2	17.8	18.8
	4H	16.3	16.8	17.1	17.6	18.7	16.6	17.1	17.5	17.9	19.0
	6H	16.2	16.7	17.1	17.5	18.6	16.7	17.1	17.6	18.0	19.1
	8H	16.2	16.6	17.1	17.5	18.6	16.7	17.1	17.6	17.9	19.0
	12H	16.1	16.5	17.0	17.4	18.5	16.6	17.0	17.5	17.9	19.0
8H	4H	16.4	16.8	17.3	17.6	18.7	17.2	17.6	18.1	18.5	19.6
	6H	16.4	16.7	17.3	17.6	18.7	17.4	17.7	18.3	18.6	19.7
	8H	16.3	16.6	17.3	17.5	18.7	17.4	17.7	18.3	18.6	19.7
	12H	16.3	16.5	17.2	17.5	18.6	17.4	17.6	18.3	18.6	19.7
12H	4H	16.3	16.7	17.2	17.6	18.7	17.3	17.6	18.2	18.5	19.6
	6H	16.4	16.6	17.3	17.5	18.7	17.5	17.7	18.4	18.7	19.8
	8H	16.4	16.6	17.3	17.5	18.7	17.5	17.8	18.5	18.7	19.9

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