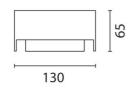
iGuzzini

Last information update: February 2023

Product configuration: MM49+L199

MM49: Dark-VDU module L≤1000 cd/m2 α>65° with electronic control gear and permanent emergency light T162x35/49W





Product code

MM49: Dark-VDU module L≤1000 cd/m2 α>65° with electronic control gear and permanent emergency light T162x35/49W Attention! Code no longer in production

Technical description

Suspended, surface-mounted or recessed lighting system designed for fluorescent light sources with up/down light emission. The product permits downlight-only emission by means of a top cover (to be ordered separately) made of plastic material. The modules are complete with terminal boards and cables for through wiring. Ready for switch-on of 3 groups of fittings. The product has a controlled-luminance optic for 65° suitable to be used in environments with VDUs according to Standard EN 12464-1. The lamellar optic with bi-parabolic profile and its external surface are made of anodised specular superpure aluminium and are equipped with fall-prevention system. The specular optics can be removed without tools for ordinary maintenance operations. The structure of the fitting is made of painted extruded aluminium; the lamp-holding supports are made of galvanised painted sheet steel; and the end caps (to be ordered separately) 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 modules can be combined by means of direct and corner 90° couplings as well as structural modules (to be ordered separately). The suspension system (to be ordered separately) has sheet-steel supporting plates with polycarbonate covering bases and steel suspension cables with a millimetric adjustment system (applied to the modules). Ceiling application by means of an aluminium structure (to be ordered separately). Recessed and semi-recessed installation system by means of a structure designed for application to false ceilings 12.5mm and 15mm thick, with concealed rim (to be ordered separately).

Installation

Suspended, surface-mounted, semi-recessed or recessed installation.

Colour

White (01) | Grey (15)

Mounting

ceiling recessed|ceiling surface|ceiling pendant

Wiring

Electronic control gear set up for emergency light, complete with inverter and rechargeable battery unit. Terminal blocks set up for REST MODE. Permanent emergency light; 1.5 hours autonomy with 12 hour recharging cycle - 3 hours autonomy with 24 hour recharging cycle. Conforms to EN60598-2-22.

Complies with EN60598-1 and pertinent regulations



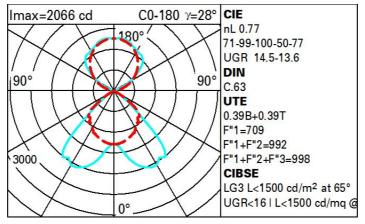
850°C





Technical data					
Im system:	6665	Colour temperature [K]:	6500		
W system:	112	Ballast losses [W]:	14		
Im source:	4300	Voltage [Vin]:	230		
W source:	49	Lamp code:	L199		
Luminous efficiency (Im/W,	59.5	Socket:	G5		
real value):		Number of lamps for optical	1 2		
Im in emergency mode:	-	assembly:			
Total light flux at or above	3348	ZVEI Code:	T 16		
an angle of 90° [Lm]:		Number of optical	1		
Light Output Ratio (L.O.R.) [%]:	78	assemblies:			
CRI:	85				

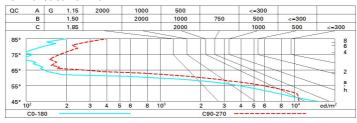
Polar



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	47	40	36	33	36	32	29	22	57
1.0	51	45	41	38	40	37	33	25	64
1.5	57	53	49	46	46	44	38	29	76
2.0	61	57	54	52	50	48	42	32	83
2.5	63	60	57	55	52	50	44	33	87
3.0	64	62	59	57	54	52	45	34	89
4.0	66	64	62	60	55	54	47	35	92
5.0	67	65	63	62	56	55	47	36	93

Luminance curve limit



Corre	cted UC	GR values	at 860	0 Im bar	e lamp lu	eu oni mu	flux)				
Rifled	t.:										
ceil/cav walls work pl.		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
		0.50	0.30 0.20	0.50 0.20	0.30	0.30 0.20	0.50 0.20	0.30	0.50	0.30 0.20	0.30
		0.20									0.20
Roon	n dim			viewed					viewed		
х у		crosswise					endwise				
2H	2H	15.4	15.9	16.3	16.8	17.9	14.5	15.0	15.4	15.9	17.0
	3H	15.1	15.6	16.1	16.5	17.6	14.3	14.8	15.3	15.7	16.
	4H	15.0	15.4	16.0	16.3	17.5	14.2	14.6	15.2	15.5	16.
	бН	14.9	15.3	15.8	16.2	17.4	14.1	14.5	15.0	15.4	16.
	HS	14.8	15.2	15.8	16.1	17.3	14.0	14.4	15.0	15.3	16.
	12H	14.8	15.1	15.7	16.0	17.3	14.0	14.3	14.9	15.2	16.
4H	2H	15.1	15.5	16.0	16.4	17.6	14.2	14.6	15.1	15.5	16.
	3H	14.8	15.2	15.8	16.1	17.3	14.0	14.3	14.9	15.2	16.
	4H	14.7	15.0	15.7	15.9	17.2	13.8	14.1	14.8	15.1	16.
	бН	14.5	14.8	15.5	15.8	17.1	13.7	13.9	14.7	14.9	16.2
	HS	14.5	14.7	15.5	15.7	17.0	13.6	13.8	14.6	14.8	16.
	12H	14.4	14.6	15.4	15.6	16.9	13.5	13.7	14.6	14.7	16.
вн	4H	14.5	14.7	15.5	15.7	17.0	13.6	13.8	14.6	14.8	16.
	6H	14.3	14.5	15.4	15.5	16.9	13.5	13.7	14.5	14.7	16.
	HS	14.2	14.4	15.3	15.4	16.8	13.4	13.5	14.4	14.6	15.
	12H	14.2	14.3	15.2	15.4	16.7	13.3	13.5	14.4	14.5	15.
12H	4H	14.4	14.6	15.4	15.6	16.9	13.5	13.7	14.6	14.8	16.
	бН	14.2	14.4	15.3	15.4	16.8	13.4	13.6	14.4	14.6	15.9
	HS	14.2	14.3	15.2	15.4	16.7	13.3	13.5	14.4	14.5	15.
Varia	tions wi	th the ob	server p	noitieo	at spacin	g:					
S =	1.0H	2.7 / -5.5					1.3 / -2.3				
	1.5H	5.2 / -19.8					2.5 / -13.8				