iGuzzini

Last information update: March 2023

Product configuration: 5821+L092

5821: Dark-VDU module with electronic control gear - permanent emrgency light







100x(1174/1474xN+13)

Product code 5821: Dark-VDU module with electronic control gear - permanent emrgency light Attention! Code no longer in production

Technical description

Lighting fitting recessed into the false ceiling for fluorescent light sources with symmetric light emission of dark-light kind. Product complete with controlled-luminance optic L \leq 1000 cd/m² for á > 65° suitable to be used 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 and removable end caps are made of painted galvanised sheet steel, the flow director of painted galvanised sheet steel, and the reflector of superpure aluminium. The installation brackets are made of galvanised sheet steel. The fitting is treated with RAL9016 liquid painting. The reflector has a fall-prevention system made up of a double steel safety cable. The modules can be combined to make continuous lines.

Installation

Installation is carried out either by special brackets or on the surface of a modular false ceiling. No tools are needed to tighten the brackets, which are suitable for false ceilings 1 to 35 mm thick. The hole for the recessed product is 100x1187 mm.





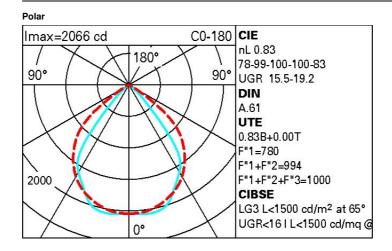
Wiring

Fitting complete with electronic control gear with emergency light. The fast-coupling terminal boards for electrical connection are designed for REST MODE and can be accessed both from the back of and from inside the product. The product is designed for through wiring and comes complete with inverter and battery pack for permanent emergency light with 1-hour duration.

Complies with EN60598-1 and pertinent regulations



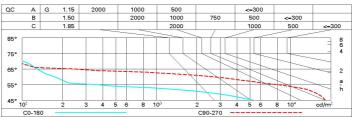
Technical data					
Im system:	3362	Colour temperature [K]:	6500		
W system:	62	Ballast losses [W]:	8		
Im source:	4050	Voltage [Vin]:	230		
W source:	54	Lamp code:	L092		
Luminous efficiency (Im/W,	54.2	Socket:	G5		
real value):		Number of lamps for optical	1		
Im in emergency mode:	130	assembly:			
Total light flux at or above	0	ZVEI Code:	T 16		
an angle of 90° [Lm]:		Number of optical	1		
Light Output Ratio (L.O.R.) [%]:	83	assemblies:			
CRI:	86				



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	66	60	56	53	60	56	55	51	62
1.0	71	66	62	59	65	61	61	57	69
1.5	78	74	71	68	73	70	69	66	79
2.0	81	78	76	74	77	75	74	71	85
2.5	83	81	79	77	80	78	77	74	89
3.0	85	83	81	80	81	80	79	76	91
4.0	86	84	83	82	83	82	80	78	94
5.0	87	85	84	83	84	83	81	79	95

Luminance curve limit



UGR diagram

Rifled	nt ·										
ce il/c		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
walls work pl.		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30
		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Room dim		viewed					viewed				
x	Ŷ	crosswise					endwise				
2H	2H	15.9	16.6	16.2	16.9	17.1	19.8	20.5	20.1	20.8	21.0
	ЗH	15.7	16.4	16.1	16.7	17.0	19.7	20.3	20.0	20.6	20.9
	4H	15.7	16.3	16.0	10.0	16.9	19.6	20.2	19.9	20.5	20.8
	бH	15.8	16.2	15.9	16.5	16.8	19.5	20.1	19.9	20.4	20.7
	8H	15.5	16.1	15.9	18.4	16.8	19.5	20.0	19.8	20.3	20.7
	12 H	15.5	16.0	15.9	16.4	18.7	19.4	19.9	19.8	20.3	20.6
4H	2H	15.8	16.5	16.2	16.7	17.1	19.6	20.2	19.9	20.5	20.8
	ЗH	15.7	16.2	16.1	10.5	10.9	19.4	19.9	19.8	20.3	20.6
	4H	15.8	16.0	16.0	16.4	18.8	19.3	19.8	19.7	20.2	20.6
	бH	15.5	15.9	15.9	16.3	18.7	19.3	19.7	19.7	20.0	20.5
	8H	15.5	15.8	15.9	16.2	16.7	19.2	19.8	19.6	20.0	20.4
	12 H	15.4	15.7	15.9	18.2	18.8	19.2	19.5	19.6	19.9	20.4
8H	4H	15.5	15.8	15.9	16.2	16.7	19.2	19.6	19.6	20.0	20.4
	бH	15.4	15.7	15.8	16.1	18.8	19.1	19.4	19.8	19.9	20.3
	8H	15.3	15.6	15.8	16.0	18.5	19.1	19.3	19.5	19.8	20.3
	12 H	15.3	15.5	15.8	16.0	16.5	19.0	19.2	19.5	19.7	20.2
12H	4H	15.4	15.7	15.9	16.2	10.0	19.2	19.5	19.6	19.9	20.4
	бH	15.3	15.6	15.8	16.0	10.5	19.1	19.3	19.5	19.8	20.3
	8H	15.3	15.5	15.8	16.0	18.5	19.0	19.2	19.5	19.7	20.2
Varia	itions wi	th the ot	serverp	osition	at spacir	ig:			_		
S =	1.0 H	3.4 / -13.1					1.0 / -2.0				
	1.5 H	4.8 / -21.8					3.3 / -14.5				