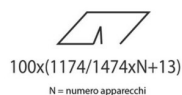
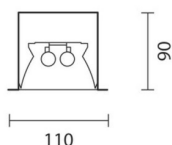


Last information update: October 2020

Product configuration: 5816+L105

5816: Dark-VDU module with electronic control gear



N = numero apparecchi

Product code5816: Dark-VDU module with electronic control gear **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 $L \leq 1000 \text{ cd/m}^2$ for $\alpha > 65^\circ$ 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 100x1487 mm.

Colour
White (01)

Weight (Kg)
3.48

Mounting
ceiling recessed

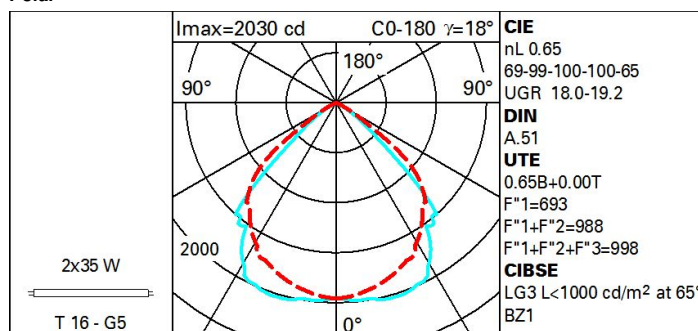
Wiring

Electronic control gear. The fast-coupling terminal boards for electrical connection can be accessed both from the back of and from inside the product. The fitting is designed for through wiring.

Complies with EN60598-1 and pertinent regulations

**Technical data**

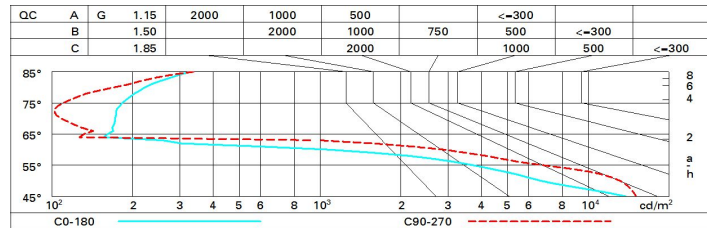
lm system:	3935,1	Colour temperature [K]:	6500
W system:	78	Ballast losses [W]:	8
lm source:	3050	Voltage [Vin]:	230
W source:	35	Lamp code:	L105
Luminous efficiency (lm/W, 50,5 real value):		Socket:	G5
lm in emergency mode:	-	Number of lamps for optical 2 assembly:	
Total light flux at or above an angle of 90° [Lm]:	0	ZVEI Code:	T 16
Light Output Ratio (L.O.R.) [%]:	65	Number of optical assemblies:	1
CRI:	86		

Polar

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	49	44	40	37	43	40	39	36	55
1.0	53	48	45	42	48	45	44	41	63
1.5	59	55	53	50	55	52	51	48	75
2.0	62	59	57	55	58	56	56	53	82
2.5	64	62	60	58	61	59	58	56	86
3.0	65	63	62	60	62	61	60	57	89
4.0	66	65	63	62	63	62	61	59	91
5.0	67	65	64	63	64	63	62	60	93

Luminance curve limit



UGR diagram

Photometric curve code: 58170000.092											
Uncorrected 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											
2H	2H	12.1	12.9	12.4	13.1	13.4	13.5	14.2	13.7	14.5	14.7
	3H	11.9	12.6	12.3	12.9	13.2	13.4	14.1	13.7	14.4	14.6
	4H	11.9	12.5	12.2	12.8	13.1	13.3	14.0	13.7	14.3	14.6
	6H	11.8	12.4	12.2	12.7	13.0	13.2	13.8	13.6	14.1	14.5
	8H	11.8	12.3	12.1	12.7	13.0	13.2	13.8	13.6	14.1	14.4
	12H	11.7	12.3	12.1	12.6	13.0	13.2	13.7	13.6	14.0	14.4
4H	2H	12.1	12.7	12.4	13.0	13.3	13.2	13.9	13.6	14.2	14.5
	3H	11.9	12.5	12.3	12.8	13.2	13.2	13.7	13.6	14.0	14.4
	4H	11.8	12.3	12.2	12.7	13.1	13.1	13.6	13.5	13.9	14.3
	6H	11.8	12.2	12.2	12.6	13.0	13.0	13.4	13.4	13.8	14.2
	8H	11.7	12.1	12.2	12.5	12.9	13.0	13.3	13.4	13.7	14.2
	12H	11.7	12.0	12.1	12.4	12.9	12.9	13.2	13.4	13.7	14.1
8H	4H	11.7	12.1	12.1	12.5	12.9	13.0	13.3	13.4	13.7	14.2
	6H	11.6	11.9	12.1	12.4	12.9	12.9	13.2	13.3	13.6	14.1
	8H	11.6	11.8	12.1	12.3	12.8	12.8	13.1	13.3	13.5	14.0
	12H	11.5	11.8	12.0	12.2	12.8	12.8	13.0	13.3	13.5	14.0
12H	4H	11.7	12.0	12.1	12.4	12.9	12.9	13.2	13.4	13.7	14.1
	6H	11.6	11.8	12.1	12.3	12.8	12.8	13.1	13.3	13.5	14.0
	8H	11.5	11.8	12.0	12.2	12.8	12.8	13.0	13.3	13.5	14.0
Variations with the observer position at spacing:											
S =	1.0H		2.2	/	-4.9			1.2	/	-1.9	
	1.5H		3.8	/	-15.6			2.4	/	-12.4	
	2.0H		5.7	/	-17.1			4.3	/	-20.4	