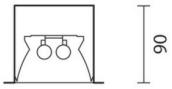
Lineup

Design iGuzzini **iGuzzini**

Last information update: July 2025

Product configuration: 5820+L042
5820: Dark-VDU module with digital dimmable electronic (DALI) control gear



Product code
5820: Dark-VDU module with digital dimmable electronic (DALI) 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 = 1000 cd/m² for a > 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 100x1487 mm.

Colour
White (01)

Mounting
ceiling recessed

Wiring
Fitting complete with digital dimmable electronic control gear (DALI). The fast-coupling terminal boards for electrical connection can be accessed both from the back of and from inside the product. The product is designed for through wiring and comes equipped with switch dim - regulation also by means of standard electronic button. Occupies 1 DALI address.

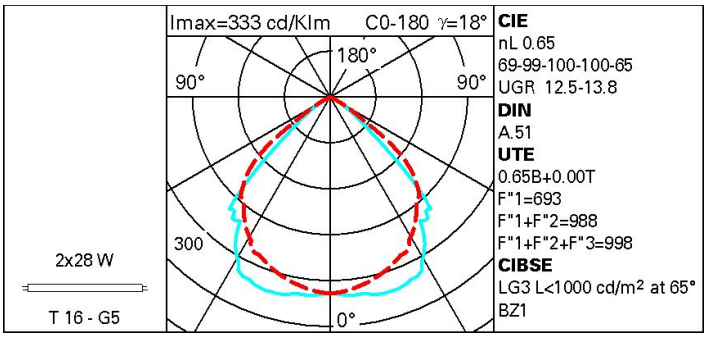
Complies with EN60598-1 and pertinent regulations

850°C IP20 pending

Technical data

lm system:	3354,5	Colour temperature [K]:	4000
W system:	64	Voltage [Vin]:	230
lm source:	2600	Lamp code:	L042
W source:	28	Socket:	G5
Luminous efficiency (lm/W, real value):	52,4	Number of lamps for optical assembly:	2
lm in emergency mode:	-	ZVEI Code:	T 16
Total light flux at or above an angle of 90° [Lm]:	0	Number of optical assemblies:	1
Light Output Ratio (L.O.R.) [%]:	65	Control:	DALI
CRI:	86		

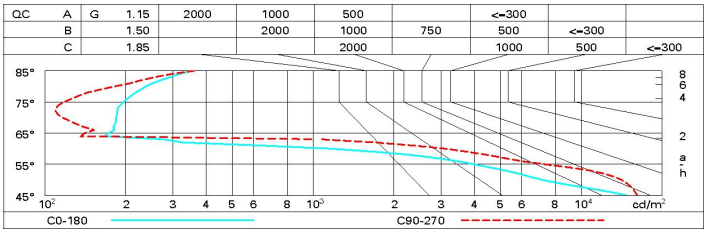
Polar



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)

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	12.9	13.7	13.2	13.9	14.2	14.3	15.0	14.5	15.3	15.5
	3H	12.7	13.4	13.1	13.7	14.0	14.2	14.9	14.5	15.2	15.4
	4H	12.7	13.3	13.0	13.6	13.9	14.1	14.8	14.5	15.1	15.4
	6H	12.6	13.2	13.0	13.5	13.8	14.0	14.6	14.4	14.9	15.3
	8H	12.6	13.1	12.9	13.5	13.8	14.0	14.6	14.4	14.9	15.2
	12H	12.5	13.1	12.9	13.4	13.8	14.0	14.5	14.3	14.8	15.2
4H	2H	12.9	13.5	13.2	13.8	14.1	14.0	14.7	14.4	15.0	15.3
	3H	12.7	13.3	13.1	13.6	14.0	14.0	14.5	14.3	14.8	15.2
	4H	12.6	13.1	13.0	13.5	13.9	13.9	14.4	14.3	14.7	15.1
	6H	12.5	13.0	13.0	13.4	13.8	13.8	14.2	14.2	14.6	15.0
	8H	12.5	12.9	13.0	13.3	13.7	13.8	14.1	14.2	14.5	15.0
	12H	12.5	12.8	12.9	13.2	13.7	13.7	14.0	14.2	14.5	14.9
8H	4H	12.5	12.9	12.9	13.3	13.7	13.8	14.1	14.2	14.5	15.0
	6H	12.4	12.7	12.9	13.2	13.7	13.7	14.0	14.1	14.4	14.9
	8H	12.4	12.6	12.9	13.1	13.6	13.6	13.9	14.1	14.3	14.8
	12H	12.3	12.6	12.8	13.0	13.6	13.6	13.8	14.1	14.3	14.8
12H	4H	12.5	12.8	12.9	13.2	13.7	13.7	14.0	14.2	14.5	14.9
	6H	12.4	12.6	12.9	13.1	13.6	13.6	13.9	14.1	14.3	14.8
	8H	12.3	12.6	12.8	13.0	13.6	13.6	13.8	14.1	14.3	14.8

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