iPlan

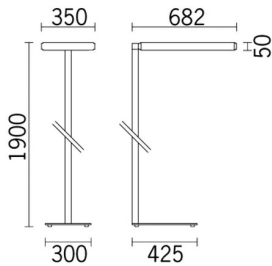**Design iGuzzini**   **iGuzzini**

Last information update: April 2024

Product configuration: Q272
Q272: standard lamp - 682x350 mm H 1900 mm - neutral white LED

Product code
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Technical description
Direct and indirect emission standard lamp luminaire designed to use 4000 K neutral white LED lamps. Light flow split into 34% down light, 66% uplight. Optical assembly with painted, extruded aluminium lateral profiles, die-cast aluminium end caps. Optical assembly consists of super-pure aluminium reflectors. The polycarbonate diffuser screen has microprisms and, combined with a milky diffuser film, allows optimum diffusion of the direct light and luminance control L<3000 cd/m2 for α≥65°. Luminaire suitable for use in environments with video terminals in accordance with EN 12464-1. The optical assembly is supported by an extruded aluminium rod with a square cross-section. The steel fork-shaped base is fitted with non-slip rubber pads. Assembly of the rod - base is facilitated by the presence of quick-coupling connectors.

Installation
Standard lamp, with rod and base. The luminaire is fitted with a 2m long electrical cable with plug.

Colour   **Weight (Kg)**
White (01) | Grey (15)   13.38
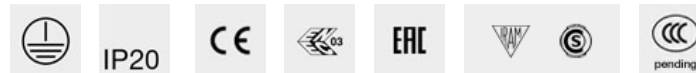
Mounting
free standing

Wiring
Dimmable control gear (push-dim). The electronic components needed for operation are housed in the inner structure and covered by a sheet aluminium guard
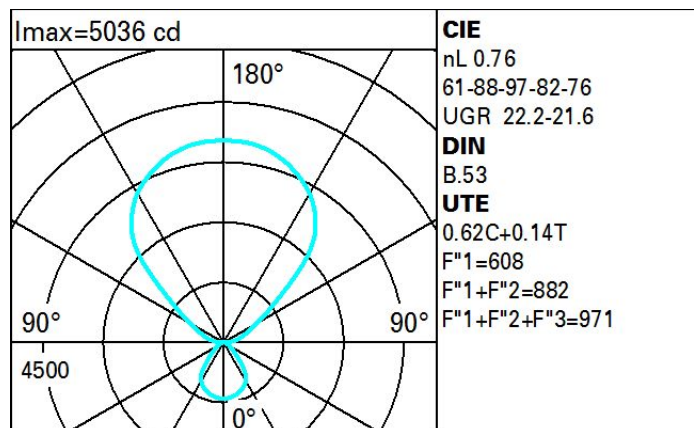
Notes
The luminaire conforms to anti-tipping regulations. The product complies with EN605981 and the relative notes.

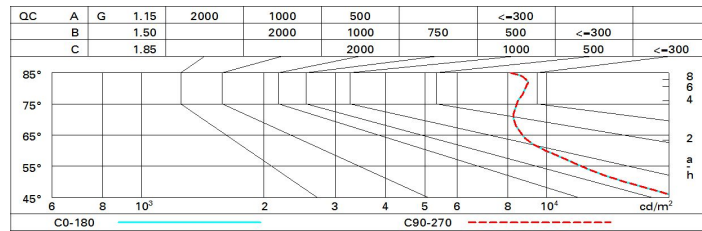Complies with EN60598-1 and pertinent regulations

Technical data

lm system:	13564	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
W system:	110.1	Lamp code:	LED
lm source:	17850	Number of lamps for optical assembly:	1
W source:	102	ZVEI Code:	LED
Luminous efficiency (lm/W, real value):	123.2	Number of optical assemblies:	1
lm in emergency mode:	-	Power factor:	See installation instructions
Total light flux at or above an angle of 90° [Lm]:	11117	Inrush current:	53 A / 200 µs
Light Output Ratio (L.O.R.) [%]:	76	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 8 luminaires B16A: 13 luminaires C10A: 13 luminaires C16A: 22 luminaires
CRI (minimum):	80		
Colour temperature [K]:	4000	Minimum dimming %:	1
MacAdam Step:	3	Overvoltage protection:	2kV Common mode & 1kV Differential mode
		Control:	Push Dim

Polar

Imax=5036 cd

CIE
nL 0.76
61-88-97-82-76
UGR 22.2-21.6
DIN
B.53
UTE
0.62C+0.14T
F"1=608
F"1+F"2=882
F"1+F"2+F"3=971

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	51	44	39	36	42	38	36	31	49
1.0	55	49	45	41	47	43	41	35	56
1.5	62	57	53	50	54	51	48	42	68
2.0	66	62	59	56	59	56	53	47	76
2.5	68	65	62	60	61	59	56	50	80
3.0	70	67	65	62	63	61	58	52	84
4.0	72	69	68	66	66	64	61	54	87
5.0	73	71	69	68	67	66	62	56	90

Luminance curve limit

QC	A	G	1.15	2000	1000	500		<=300		
	B		1.50		2000	1000	750	500	<=300	
	C		1.85			2000		1000	500	<=300

C0-180 —————— C90-270 – – – – – – –

UGR diagram

Corrected UGR values (at 17850 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 x	y	viewed crosswise					viewed endwise				
2H	2H	19.7	20.6	20.3	21.1	21.7	19.7	20.6	20.3	21.1	21.7
	3H	20.4	21.2	21.0	21.7	22.4	19.9	20.6	20.5	21.2	21.9
	4H	20.8	21.5	21.4	22.1	22.8	19.9	20.6	20.5	21.2	21.9
	6H	21.2	21.8	21.8	22.5	23.2	19.9	20.6	20.5	21.2	21.9
	8H	21.4	22.0	22.0	22.6	23.3	19.9	20.5	20.5	21.1	21.8
	12H	21.5	22.1	22.1	22.7	23.4	19.9	20.4	20.5	21.1	21.8
4H	2H	19.9	20.6	20.5	21.2	21.9	20.8	21.5	21.4	22.1	22.8
	3H	20.9	21.5	21.5	22.1	22.8	21.2	21.8	21.9	22.4	23.2
	4H	21.4	21.9	22.1	22.6	23.3	21.4	21.9	22.1	22.6	23.3
	6H	22.0	22.4	22.7	23.1	23.9	21.5	22.0	22.2	22.7	23.5
	8H	22.2	22.6	22.9	23.3	24.1	21.6	22.0	22.3	22.7	23.5
	12H	22.4	22.7	23.1	23.4	24.3	21.6	22.0	22.3	22.7	23.5
8H	4H	21.6	22.0	22.3	22.7	23.5	22.2	22.6	22.9	23.3	24.1
	6H	22.3	22.7	23.0	23.4	24.2	22.5	22.9	23.2	23.6	24.4
	8H	22.7	23.0	23.4	23.7	24.5	22.7	23.0	23.4	23.7	24.5
	12H	22.9	23.2	23.7	23.9	24.8	22.8	23.0	23.5	23.8	24.6
12H	4H	21.6	22.0	22.3	22.7	23.5	22.4	22.7	23.1	23.4	24.3
	6H	22.4	22.7	23.1	23.4	24.3	22.7	23.0	23.5	23.8	24.6
	8H	22.8	23.0	23.5	23.8	24.6	22.9	23.2	23.7	23.9	24.8

Variations with the observer position at spacing:

S =				
	1.0H	0.3 / -0.4		0.3 / -0.4
	1.5H	0.7 / -0.8		0.7 / -0.8
	2.0H	1.5 / -1.0		1.5 / -1.0