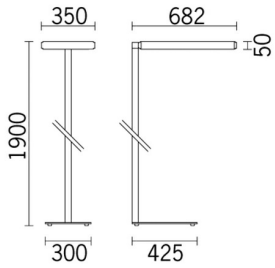
iPlan

Design iGuzzini **iGuzzini**

Last information update: April 2024

Product configuration: Q273
Q273: standard lamp - 682x350 mm H 1900 mm - neutral white LED with EasyAir sensor



Product code
Q273: standard lamp - 682x350 mm H 1900 mm - neutral white LED with EasyAir sensor

Technical description
Direct and indirect emission standard lamp luminaire designed to use 4000 K 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. Model complete with EasyAir presence sensor

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 driver with EasyAir sensor. 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

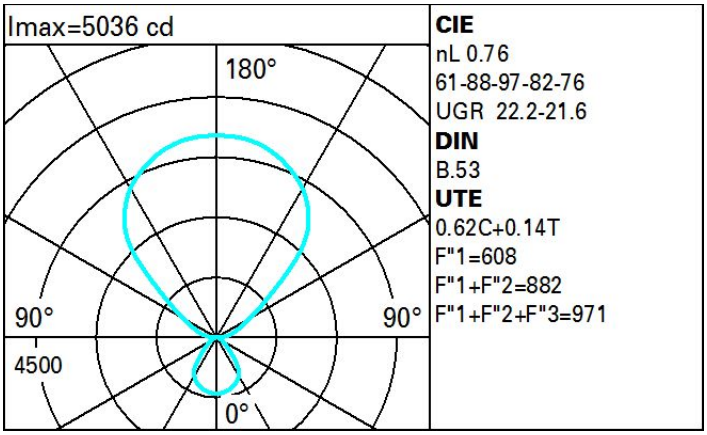
850°C IP20 pending

Technical data

lm system:	13564
W system:	110.1
lm source:	17850
W source:	102
Luminous efficiency (lm/W, real value):	123.2
lm in emergency mode:	-
Total light flux at or above an angle of 90° [Lm]:	11117
Light Output Ratio (L.O.R.) [%]:	76
CRI (minimum):	80
Colour temperature [K]:	4000
MacAdam Step:	3

Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
Lamp code:	LED
Number of lamps for optical assembly:	1
ZVEI Code:	LED
Number of optical assemblies:	1
Power factor:	See installation instructions
Inrush current:	24.9 A / 215 µs
Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 15 luminaires B16A: 24 luminaires C10A: 24 luminaires C16A: 40 luminaires
Minimum dimming %:	1
Overvoltage protection:	2kV Common mode & 1kV Differential mode
Control:	Dimmerabile

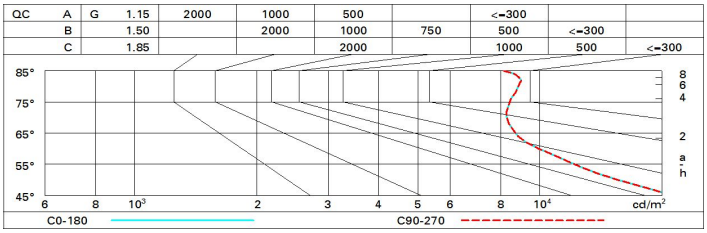
Polar



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



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				viewed crosswise					viewed endwise		
x	y										
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