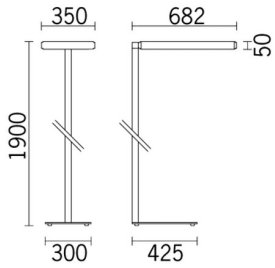
iPlan

Design iGuzzini **iGuzzini**

Last information update: June 2024

Product configuration: 4589
4589: standard lamp - 682x350 mm H 1900 mm - LED neutral white



Product code
4589: standard lamp - 682x350 mm H 1900 mm - LED neutral white

Technical description
Direct/indirect emission floor lamp designed to use neutral white 4000 K LED lamps. Light flow split into 34% downlight, 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<1,500 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

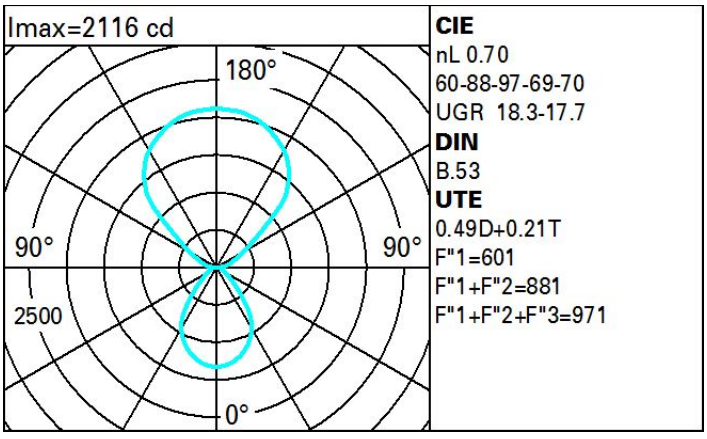
IP20 pending

Technical data

lm system:	6789
W system:	61.4
lm source:	9700
W source:	57
Luminous efficiency (lm/W, real value):	110.6
lm in emergency mode:	-
Total light flux at or above an angle of 90° [Lm]:	4714
Light Output Ratio (L.O.R.) [%]:	70
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
Minimum dimming %:	1
Overvoltage protection:	/kV Common mode & /kV Differential mode
Control:	Push Dim

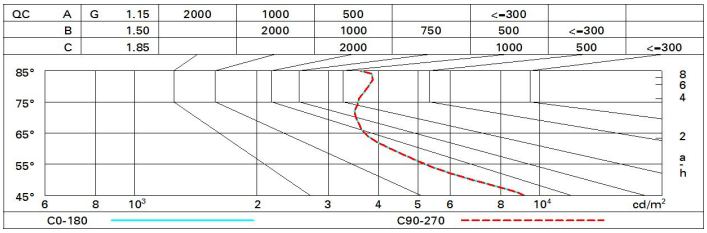
Polar



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	44	38	34	30	35	31	29	24	49
1.0	48	43	38	35	39	36	33	27	56
1.5	54	50	46	43	46	43	40	33	68
2.0	58	54	51	49	50	47	44	37	75
2.5	60	57	54	52	52	50	46	39	80
3.0	61	59	57	54	54	52	48	41	84
4.0	63	61	59	57	56	54	50	42	87
5.0	64	62	61	59	57	56	51	43	89

Luminance curve limit



UGR diagram

Corrected UGR values (at 9700 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	16.0	16.7	16.7	17.4	18.2	16.0	16.7	16.7	17.4	18.2
	3H	16.6	17.3	17.4	18.0	18.9	16.1	16.8	16.9	17.5	18.4
	4H	17.0	17.6	17.7	18.3	19.2	16.1	16.8	16.9	17.5	18.4
	6H	17.4	17.9	18.1	18.7	19.6	16.1	16.7	16.9	17.4	18.3
	8H	17.5	18.1	18.3	18.8	19.8	16.1	16.6	16.9	17.4	18.3
	12H	17.7	18.2	18.4	18.9	19.9	16.0	16.6	16.8	17.3	18.3
4H	2H	16.1	16.8	16.9	17.5	18.4	17.0	17.6	17.7	18.3	19.2
	3H	17.0	17.5	17.8	18.3	19.3	17.4	17.9	18.2	18.7	19.6
	4H	17.5	18.0	18.3	18.8	19.7	17.5	18.0	18.3	18.8	19.7
	6H	18.1	18.5	18.9	19.3	20.3	17.7	18.0	18.5	18.9	19.9
	8H	18.3	18.7	19.1	19.5	20.5	17.7	18.0	18.5	18.9	19.9
	12H	18.5	18.8	19.3	19.6	20.7	17.7	18.0	18.5	18.8	19.9
8H	4H	17.7	18.0	18.5	18.9	19.9	18.3	18.7	19.1	19.5	20.5
	6H	18.4	18.7	19.3	19.5	20.6	18.6	18.9	19.5	19.8	20.8
	8H	18.7	19.0	19.6	19.9	20.9	18.7	19.0	19.6	19.9	20.9
	12H	19.0	19.2	19.9	20.1	21.2	18.8	19.1	19.7	19.9	21.0
12H	4H	17.7	18.0	18.5	18.8	19.9	18.5	18.8	19.3	19.6	20.7
	6H	18.4	18.7	19.3	19.6	20.6	18.8	19.1	19.7	20.0	21.0
	8H	18.8	19.1	19.7	19.9	21.0	19.0	19.2	19.9	20.1	21.2

Variations with the observer position at spacing:

S =			
	1.0H	0.4 / -0.4	0.4 / -0.4
	1.5H	0.7 / -0.8	0.7 / -0.8
	2.0H	1.4 / -1.0	1.4 / -1.0