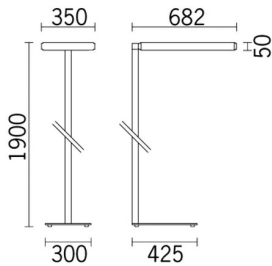


Last information update: September 2024

Product configuration: 4590

4590: standard lamp - 682x350 mm H 1900 mm - LED neutral white with EasyAir sensor

**Product code**

4590: standard lamp - 682x350 mm H 1900 mm - LED neutral white with EasyAir sensor

Technical description

Direct/indirect emission floor lamp designed to use 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 $L < 1,500 \text{ cd/m}^2$ for $\alpha \geq 65^\circ$. 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

White (01) | Grey (15)

Weight (Kg)

13.38

Mounting

free standing

Wiring

Control gear with EasyAir. 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

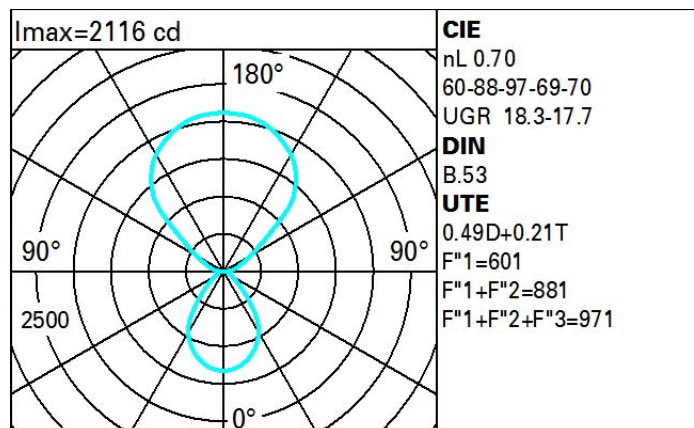


850°C

IP20

**Technical data**

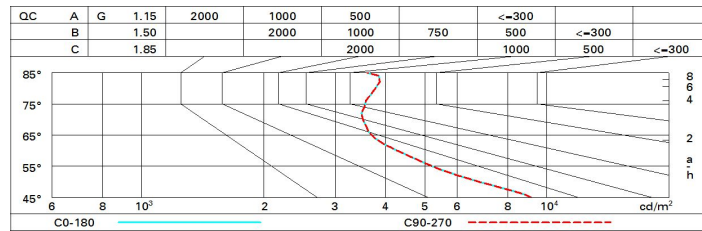
Im system:	6789	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
W system:	61.4	Lamp code:	LED
Im source:	9700	Number of lamps for optical assembly:	1
W source:	57	ZVEI Code:	LED
Luminous efficiency (Im/W, real value):	110.6	Number of optical assemblies:	1
Im in emergency mode:	-	Power factor:	See installation instructions
Total light flux at or above an angle of 90° [Lm]:	4714	Inrush current:	24.9 A / 215 µs
Light Output Ratio (L.O.R.) [%]:	70	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 15 luminaires B16A: 24 luminaires C10A: 24 luminaires C16A: 40 luminaires
CRI (minimum):	80	Minimum dimming %:	1
Colour temperature [K]:	4000	Overvoltage protection:	2kV Common mode & 1kV Differential mode
MacAdam Step:	3	Control:	Dimmerabile

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)											
Reflect.:		viewed crosswise					viewed endwise				
ceiling/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										
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				