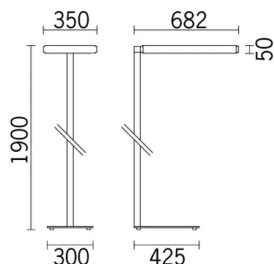


Last information update: June 2018

**standard lamp - 682x350 mm H 1900 mm - LED neutral white with an actilume sensor****Product code**

4590

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 actilume presence sensor

Installation

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

Dimension (mm)

682x350x50

Colour

White (01) | Grey (15)

Weight (Kg)

13.4

Mounting

free standing

Wiring

DALI dimmable control gear with ActiLume. 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

**Product configuration: 4590****Product characteristics**

Total lighting output [Lm]: 6999
 Total power [W]: 82
 Luminous efficacy [Lm/W]: 85.4
 Life Time: 50,000h - L80 - B10 (Ta 25°C)

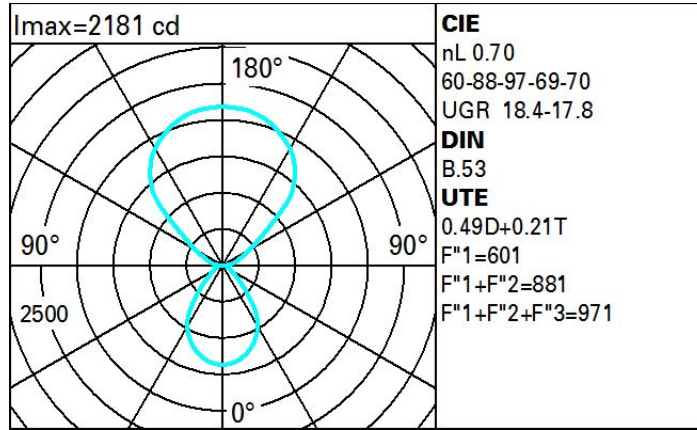
Total luminous flux at or above an angle of 90° [Lm]: 4859
 Emergency luminous flux [Lm]: /
 Voltage [V]: -
 Number of optical assemblies: 1

Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 70
 Lamp code: LED
 ZVEI Code: LED
 Nominal power [W]: 73
 Nominal luminous [Lm]: 10000
 Lamp maximum intensity [cd]: /
 Beam angle [°]: /

Number of lamps for optical assembly: 1
 Socket: /
 Ballast losses [W]: 9
 Colour temperature [K]: 4000
 CRI: 80
 Wavelength [nm]: /
 MacAdam Step: 3.5

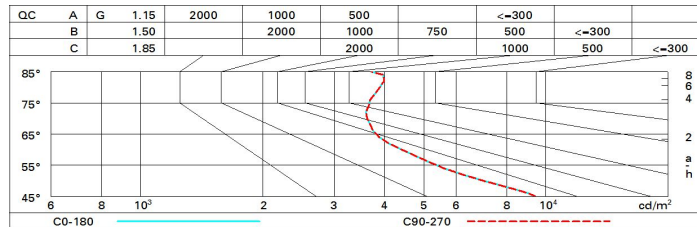
Polar



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 10000 lm bare lamp luminous flux)											
Reflect.:		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
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		viewed crosswise					viewed endwise				
x	y										
2H	2H	16.1	16.8	16.8	17.5	18.3	16.1	16.8	16.8	17.5	18.3
	3H	16.7	17.4	17.5	18.1	19.0	16.2	16.9	17.0	17.6	18.5
	4H	17.1	17.7	17.9	18.5	19.3	16.3	16.9	17.0	17.6	18.5
	6H	17.5	18.0	18.2	18.8	19.7	16.2	16.8	17.0	17.5	18.5
	8H	17.6	18.2	18.4	19.0	19.9	16.2	16.7	17.0	17.5	18.4
	12H	17.8	18.3	18.6	19.1	20.0	16.2	16.7	16.9	17.4	18.4
4H	2H	16.3	16.9	17.0	17.6	18.5	17.1	17.7	17.9	18.5	19.3
	3H	17.1	17.6	17.9	18.4	19.4	17.5	18.0	18.3	18.8	19.7
	4H	17.6	18.1	18.4	18.9	19.8	17.6	18.1	18.4	18.9	19.8
	6H	18.2	18.6	19.0	19.4	20.4	17.8	18.1	18.6	19.0	20.0
	8H	18.4	18.8	19.3	19.6	20.6	17.8	18.1	18.6	19.0	20.0
	12H	18.6	18.9	19.4	19.8	20.8	17.8	18.1	18.6	19.0	20.0
8H	4H	17.8	18.1	18.6	19.0	20.0	18.4	18.8	19.3	19.6	20.6
	6H	18.5	18.8	19.4	19.7	20.7	18.7	19.0	19.6	19.9	20.9
	8H	18.8	19.1	19.7	20.0	21.0	18.8	19.1	19.7	20.0	21.0
	12H	19.1	19.3	20.0	20.2	21.3	19.0	19.2	19.8	20.0	21.1
12H	4H	17.8	18.1	18.6	19.0	20.0	18.6	18.9	19.4	19.8	20.8
	6H	18.6	18.8	19.4	19.7	20.7	18.9	19.2	19.8	20.1	21.1
	8H	19.0	19.2	19.8	20.0	21.1	19.1	19.3	20.0	20.2	21.3
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				