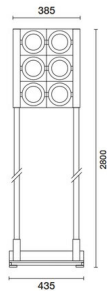


january 2017



Cestello

code
MH46

Technical description

Multi-lamp standard lamp luminaire. LED lamps with passive heat dissipation system. Entirely aluminium frame; die-cast aluminium universal joints; can be adjusted +/- 45° relative to the horizontal and vertical axes; two extruded aluminium supporting rods with (+/- 45°) adjustable joints coupling to frame; lever-operated mechanical locks. Aluminium and steel base housing electronic control gear units and control switches. Die-cast aluminium optical assemblies. Shaped so that heat is effectively carried away, guaranteeing that the performance of the lamps remains unaffected. PMMA emission optics. Textured PMMA additional optic screens - medium beam angle. Warm white high efficiency LEDs; CRI (Ra) > 90.

Installation

standing on the floor on surface-protector rubber elements

Size (mm)
435x435x2800

Colour
Grey (15)

Mounting
free standing

Wiring info

power cable L 2500 mm with Schuko plug; set up for multiple switch on in groups of two assemblies; control switch on base.

Complies with EN60598-1 and pertinent regulations

850°C IP20



Product configuration: MH46+LED

LED: n. 15 led warm CRI 90

Product characteristics

Total lighting output [Lm]: 8847,4
Total power [W]: 144,4
Luminous efficacy (lm/W, real value): 61,3
Life Time: 50.000h - L90 - B10 (Ta 25°C)

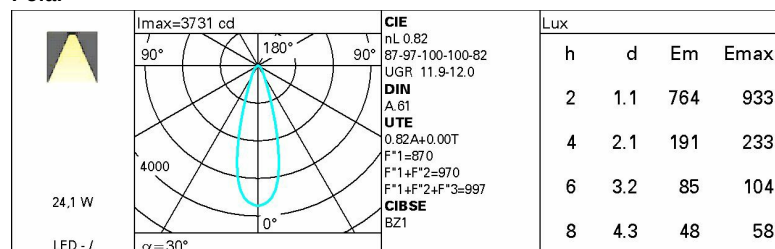
Total luminous flux at or above an angle of 90° [Lm]: 0
Emergency luminous flux [Lm]: /
Voltage [V]: -
Number of optical assemblies: 6

Optical assembly Characteristics 1

Light Output Ratio (L.O.R.) [%]: 82
Lamp code: LED
ZVEI Code: LED
Nominal power [W]: 19
Nominal luminous [Lm]: 1800
Lamp maximum intensity [cd]: /
Beam angle [°]: 30°

Number of lamps for optical assembly: 1
Socket: /
Ballast losses [W]: 5,1
Colour temperature [K]: 3000
CRI: 95
Wavelength [nm]: /
MacAdam Step: <3

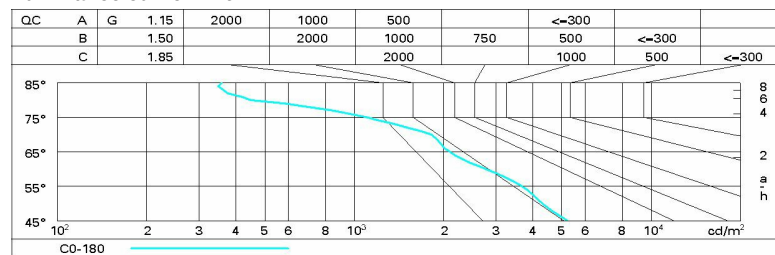
Polar



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	69	64	61	58	63	60	60	56	69
1.0	73	69	65	63	68	65	64	61	74
1.5	78	75	72	70	74	71	70	67	82
2.0	81	79	77	75	77	76	75	72	88
2.5	83	81	79	78	80	78	77	75	91
3.0	84	83	81	80	81	80	79	77	94
4.0	86	84	84	83	83	82	81	79	96
5.0	86	85	85	84	84	83	82	80	97

Luminance curve limit



UGR diagram

Photometric curve code: MF270000.J80 Uncorrected UGR values (at 1000 lm bare lamp luminous flux)										
Reflect.:										
ceiling	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	11.1	11.8	11.4	12.0	12.3	11.1	11.8	11.4	12.0
	3H	11.5	12.2	11.9	12.4	12.7	11.3	11.9	11.6	12.2
	4H	11.6	12.2	11.9	12.5	12.8	11.3	11.9	11.6	12.2
	6H	11.6	12.1	11.9	12.4	12.8	11.3	11.8	11.6	12.1
	8H	11.6	12.1	11.9	12.4	12.7	11.2	11.8	11.6	12.1
	12H	11.5	12.0	11.9	12.4	12.7	11.2	11.7	11.6	12.0
4H	2H	11.3	11.9	11.6	12.2	12.5	11.6	12.2	11.9	12.5
	3H	11.9	12.4	12.3	12.7	13.1	11.9	12.4	12.3	12.7
	4H	12.0	12.4	12.4	12.8	13.2	12.0	12.4	12.4	12.8
	6H	12.0	12.3	12.4	12.7	13.2	12.0	12.4	12.4	12.8
	8H	11.9	12.3	12.4	12.7	13.1	12.0	12.3	12.4	12.7
	12H	11.9	12.2	12.3	12.6	13.1	11.9	12.2	12.4	12.7
6H	4H	12.0	12.3	12.4	12.7	13.2	11.9	12.3	12.4	12.7
	6H	11.9	12.2	12.4	12.7	13.2	11.9	12.2	12.4	12.7
	8H	11.9	12.2	12.4	12.6	13.1	11.9	12.2	12.4	12.6
	12H	11.9	12.1	12.4	12.6	13.1	11.9	12.1	12.4	12.6
12H	4H	11.9	12.2	12.4	12.7	13.1	11.9	12.2	12.3	12.6
	6H	11.9	12.1	12.4	12.6	13.1	11.9	12.1	12.4	12.6
	8H	11.9	12.1	12.4	12.6	13.1	11.9	12.1	12.4	12.6
Variations with the observer position at spacing:										
S =	1.0H		0.6	/	-0.8		0.6	/	-0.8	
	1.5H		1.5	/	-2.3		1.5	/	-2.3	
	2.0H		2.8	/	-3.0		2.8	/	-3.0	

