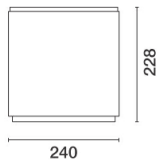


Last information update: June 2023

Product configuration: MQ12

MQ12: Ceiling-mounted luminaire - neutral LED - General light - Electronic control gear

**Product code**MQ12: Ceiling-mounted luminaire - neutral LED - General light - Electronic control gear **Attention! Code no longer in production****Technical description**

LED lamp, ceiling-mounted luminaire; integrated electronic control gear. Die-cast aluminium plate for surface mounting with diffuser element; technical, shaped aluminium sheet brackets for components and optics; multi-faceted reflector vacuum-metallised with aluminium vapours and finished with a protective anti-scratch layer; safety glass cover over LED lamp; lathe-shaped aluminium cylindrical body; lower ring in high resistance polycarbonate. General lighting optic.

Installation

Plate fixed to ceiling using screws and screw anchors (not included); bayonet assembly systems ensuring simple installation and maintenance; snap-on spring fastening for reflector. Wall or pendant application option available thanks to special accessory kits with a separate code.

Colour

White (01) | Grey (15)

Weight (Kg)

3

Mounting

wall surface|ceiling surface|ceiling pendant

Wiring

Control gear integrated in luminaire; mains and optic unit connections made with quick coupling terminal blocks.

Notes

Kit for wall-mounting: code no. 9443 - kit for steel cable pendant system L 1500: code no. 9440

Complies with EN60598-1 and pertinent regulations



IP23

**Technical data**

Im system:	3399	Colour temperature [K]:	4000
W system:	27.9	MacAdam Step:	2
Im source:	4000	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
W source:	24	Ballast losses [W]:	3.9
Luminous efficiency (Im/W, real value):	121.8	Lamp code:	LED
Im in emergency mode:	-	Number of lamps for optical assembly:	1
Total light flux at or above an angle of 90° [Lm]:	0	ZVEI Code:	LED
Light Output Ratio (L.O.R.) [%]:	85	Number of optical assemblies:	1
CRI:	80		

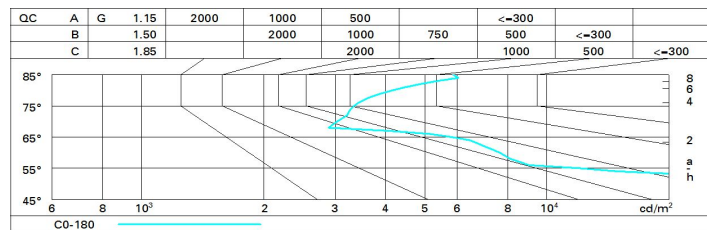
Polar

Imax=1685 cd		CIE		Lux	
90°	180°	nL 0.85		h	d
		70-97-99-100-85		Em	Emax
		UGR 23.1-23.0		1	2.3
		DIN A.51		2	4.6
		UTE 0.85B+0.00T		3	6.9
		F*1=702		4	9.2
		F*1+F*2=971			
		F*1+F*2+F*3=994			
α=98°					

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	65	58	53	50	57	53	52	48	56
1.0	70	64	60	56	63	59	58	54	64
1.5	78	73	69	66	72	68	68	64	75
2.0	82	78	75	73	77	74	73	70	82
2.5	84	81	79	77	80	77	76	73	86
3.0	85	83	81	79	81	80	79	75	89
4.0	87	85	83	82	83	82	81	78	91
5.0	88	86	85	84	85	83	82	79	93

Luminance curve limit



UGR diagram

Corrected UGR values (at 4000 lm bare lamp luminous flux)											
Reflect.: ceiling/cav walls work pl. Room dim x y		viewed crosswise					viewed endwise				
2H 2H		23.4	24.2	23.7	24.4	24.7	23.4	24.2	23.7	24.4	24.7
3H		23.3	24.0	23.6	24.3	24.6	23.3	24.0	23.6	24.3	24.6
4H		23.2	23.9	23.6	24.2	24.5	23.3	23.9	23.6	24.2	24.5
6H		23.2	23.8	23.6	24.1	24.4	23.2	23.8	23.5	24.1	24.4
8H		23.2	23.8	23.6	24.1	24.4	23.1	23.7	23.5	24.0	24.4
12H		23.2	23.7	23.6	24.1	24.4	23.1	23.6	23.5	24.0	24.3
4H 2H		23.3	23.9	23.6	24.2	24.5	23.2	23.9	23.6	24.2	24.5
3H		23.2	23.7	23.5	24.0	24.4	23.2	23.7	23.6	24.1	24.4
4H		23.1	23.6	23.5	24.0	24.3	23.1	23.6	23.5	24.0	24.3
6H		23.1	23.5	23.5	23.9	24.3	23.0	23.5	23.5	23.9	24.3
8H		23.1	23.5	23.5	23.9	24.3	23.0	23.4	23.5	23.8	24.2
12H		23.1	23.4	23.5	23.9	24.3	23.0	23.3	23.4	23.7	24.2
8H 4H		23.0	23.4	23.5	23.8	24.2	23.1	23.5	23.5	23.9	24.3
6H		23.0	23.3	23.5	23.8	24.2	23.0	23.4	23.5	23.8	24.3
8H		23.0	23.3	23.5	23.8	24.3	23.0	23.3	23.5	23.8	24.3
12H		23.1	23.3	23.6	23.8	24.3	23.0	23.2	23.5	23.7	24.2
12H 4H		23.0	23.3	23.4	23.7	24.2	23.1	23.4	23.5	23.9	24.3
6H		23.0	23.2	23.5	23.7	24.2	23.1	23.3	23.6	23.8	24.3
8H		23.0	23.2	23.5	23.7	24.2	23.1	23.3	23.6	23.8	24.3
Variations with the observer position at spacing:											
S = 1.0H		1.7 / -5.1					1.7 / -5.1				
1.5H		2.6 / -6.3					2.6 / -6.3				
2.0H		4.5 / -7.6					4.5 / -7.6				