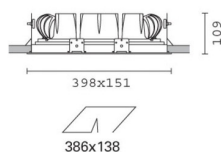


Last information update: June 2018



rectangular recessed luminaire with 3 optical assemblies - warm white passive dissipation LEDs - integrated DALI control gear - medium

Product code
MP34

Technical description

Multiple recessed adjustable removable luminaire for LED lamp with passive heat dissipation system. Sheet steel perimeter frame. Main structure made of die-cast aluminium. Steel rotation hinges. Die-cast aluminium lamp bodies with shaped surface for high level radiant effect for effectively reducing the temperature and keeping the long-term LED lamp performance unchanged. Chrome-plated aluminium lamp body closing rings. Riflettori con ottica ad alta efficienza in alluminio superpuro - apertura medium. Orientamento dei corpi con dispositivi di manovra manuale: interno 29° - esterno 75° - rotazione sull'asse 355°; in fase di orientamento e rotazione i corpi lampada sono soggetti ad alcune limitazioni consultabili sul foglio istruzioni. Supplied with DALI dimmable control gear units connected to the luminaire. Warm white high colour rendering LEDs CRI (Ra) > 90.

Installation

recessed: preparation slot 138 x 386 mm; perimeter frame preliminary fixing on false ceiling (min. thickness 1 mm) with adjustable metal brackets; main structure inserted and mechanically locked on the frame

Dimension (mm)

398x151x109

Colour

White/Aluminium (39) | Grey/Black/Aluminium (E1)

Weight (Kg)

3.5

Mounting

ceiling recessed

Wiring

on control gear box with quick-coupling connections; each lamp body has a specific ballast, allowing separate switch ons

Notes

the configuration of the lamp bodies causes some limitations during angling and rotation; consult the instructions leaflet

Complies with EN60598-1 and pertinent regulations



Product configuration: MP34

Product characteristics

Total lighting output [Lm]: 4740
Total power [W]: 54.7
Luminous efficacy [Lm/W]: 86.7
Life Time: > 50,000h - L80 - 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: 3

Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 79
Lamp code: LED
ZVEI Code: LED
Nominal power [W]: 16
Nominal luminous [Lm]: 2000
Lamp maximum intensity [cd]: /
Beam angle [°]: 22°

Number of lamps for optical assembly: 1
Socket: /
Ballast losses [W]: 2.2
Colour temperature [K]: 3000
CRI: 90
Wavelength [nm]: /
MacAdam Step: 2

$I_{\max}=5315 \text{ cd}$ 90° 180° 90° 6000 0° $\alpha = 22^\circ$	CIE nL 0.79 95-100-100-100-79 UGR 15.4-15.4		Lux			
	DIN A.61					
	UTE 0.79A+0.00T $F^*1=954$ $F^*1+F^*2=997$ $F^*1+F^*2+F^*3=1000$		h	d	Em	E _{max}
			2	0.8	1050	1329
			4	1.6	262	332
		6	2.3	117	148	
CIBSE LG3 L<1500 cd/m ² at 65° UGR<16 L<1500 cd/mq @65°		8	3.1	66	83	

R	77	75	73	71	55	53	33	00	DRR
K0.8	70	66	63	61	65	62	62	59	75
1.0	73	70	67	65	69	66	66	63	80
1.5	77	75	72	71	74	72	71	68	87
2.0	80	78	76	75	77	75	74	72	91
2.5	81	80	79	78	79	78	77	75	94
3.0	82	81	80	80	80	79	78	76	96
4.0	84	83	82	81	81	81	80	78	98
5.0	84	83	83	83	82	82	80	78	99

QC	A	G	1.15	2000		1000		500		<=300			
	B		1.50			2000		1000	750	500	<=300		
	C		1.85					2000		1000	500	<=300	

UGR diagram

Corrected UGR values (at 2000 lm bare lamp luminous flux)												
Reflect.: ceiling/cav walls work pl. Room dim x y		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30	0.30
		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30	0.30
		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
		viewed crosswise					viewed endwise					
2H	2H	16.3	17.9	16.6	18.2	18.5	16.3	17.9	16.6	18.2	18.5	
	3H	16.2	17.4	16.5	17.7	18.0	16.2	17.4	16.5	17.7	18.0	
	4H	16.1	17.2	16.4	17.5	17.8	16.1	17.2	16.5	17.5	17.8	
	6H	16.0	17.1	16.4	17.4	17.8	16.0	17.1	16.4	17.4	17.8	
	8H	15.9	17.0	16.3	17.4	17.7	15.9	17.0	16.3	17.4	17.8	
	12H	15.9	17.0	16.3	17.3	17.7	15.9	17.0	16.3	17.3	17.7	
4H	2H	16.1	17.2	16.5	17.5	17.8	16.1	17.2	16.4	17.5	17.8	
	3H	15.9	17.0	16.3	17.3	17.7	15.9	17.0	16.3	17.3	17.7	
	4H	15.8	16.8	16.2	17.2	17.6	15.8	16.8	16.2	17.2	17.6	
	6H	15.6	16.8	16.0	17.3	17.7	15.6	16.8	16.0	17.3	17.7	
	8H	15.4	16.9	15.9	17.3	17.8	15.4	16.9	15.9	17.3	17.8	
	12H	15.3	16.9	15.8	17.3	17.8	15.3	16.9	15.8	17.3	17.8	
8H	4H	15.4	16.9	15.9	17.3	17.8	15.4	16.9	15.9	17.3	17.8	
	6H	15.3	16.7	15.8	17.2	17.7	15.3	16.7	15.8	17.2	17.7	
	8H	15.3	16.5	15.8	17.0	17.5	15.3	16.5	15.8	17.0	17.5	
	12H	15.4	16.3	15.9	16.7	17.3	15.4	16.3	15.9	16.7	17.3	
12H	4H	15.3	16.9	15.8	17.3	17.8	15.3	16.9	15.8	17.3	17.8	
	6H	15.3	16.5	15.8	17.0	17.5	15.3	16.5	15.8	17.0	17.5	
	8H	15.4	16.3	15.9	16.7	17.3	15.4	16.3	15.9	16.7	17.3	
Variations with the observer position at spacing:												
S =		1.0H	4.3 / -9.6		4.3 / -9.6							
		1.5H	7.1 / -15.0		7.1 / -15.0							
		2.0H	9.1 / -18.0		9.1 / -18.0							