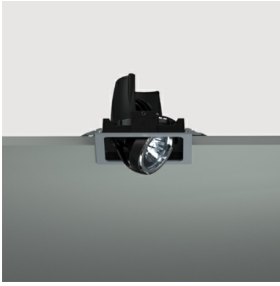


Last information update: June 2018



square recessed luminaire - warm white passive dissipation LED - integrated DALI control gear - wide flood

**Product code**  
MP22

**Technical description**

Recessed adjustable removable luminaire for LED lamp with passive heat dissipation system. Square sheet steel perimeter frame. Main structure made of die-cast aluminium. Steel rotation hinges. Die-cast aluminium lamp body 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 ring. Reflector with high efficiency super-pure aluminium optic - wide flood beam angle. Orientamento del corpo con dispositivo di manovra manuale: interno 29° - esterno 75° - rorazione sull'asse 355°. Supplied with DALI dimmable control gear connected to the luminaire. Warm white high colour rendering LEDs CRI (Ra) > 90.

**Installation**

recessed using steel springs for false ceilings with thicknesses starting at 1 mm; preparation slot 142 x 142 mm

**Dimension (mm)**

151x151x96

**Colour**

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

**Weight (Kg)**

0.93

**Mounting**

ceiling recessed

**Wiring**

on control gear box with quick-coupling connections

Complies with EN60598-1 and pertinent regulations



IP20

**Product configuration: MP22****Product characteristics**

Total lighting output [Lm]: 1559  
Total power [W]: 18.3  
Luminous efficacy [Lm/W]: 85.2  
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: 1

**Optical assembly Characteristics Type 1**

Light Output Ratio (L.O.R.) [%]: 78  
Lamp code: LED  
ZVEI Code: LED  
Nominal power [W]: 16  
Nominal luminous [Lm]: 2000  
Lamp maximum intensity [cd]: /  
Beam angle [°]: 54°

Number of lamps for optical assembly: 1  
Socket: /  
Ballast losses [W]: 2.3  
Colour temperature [K]: 3000  
CRI: 90  
Wavelength [Nm]: /  
MacAdam Step: 2

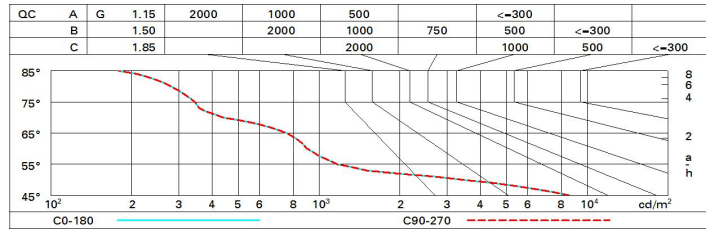
**Polar**

Imax=2071 cd	CIE nL 0.78 97-100-100-100-78 UGR 15.0-15.0 DIN A.61 UTE 0.78A+0.00T F*1=965 F*1+F*2=997 F*1+F*2+F*3=1000 CIBSE LG3 L<1500 cd/m <sup>2</sup> at 65° UGR<16   L<1500 cd/mq @65°	Lux			
		h	d	Em	Emax
90°		2	2	400	516
180°		4	4.1	100	129
2000		6	6.1	44	57
0°		8	8.2	25	32
α=54°					

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	69	65	63	60	65	62	62	59	76
1.0	72	69	66	65	68	66	66	63	81
1.5	76	74	72	70	73	71	70	68	87
2.0	79	77	75	74	76	75	74	71	92
2.5	80	79	78	77	78	77	76	74	95
3.0	81	80	80	79	79	78	77	75	97
4.0	83	82	81	81	80	80	79	77	98
5.0	83	82	82	82	81	81	79	78	99

Luminance curve limit



UGR diagram

Corrected UGR values (at 2000 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	15.6	16.2	15.8	16.4	16.7	15.6	16.2	15.8	16.4	16.7
	3H	15.4	16.0	15.7	16.3	16.5	15.4	16.0	15.7	16.3	16.5
	4H	15.4	15.9	15.7	16.2	16.5	15.4	15.9	15.7	16.2	16.5
	6H	15.3	15.8	15.6	16.1	16.4	15.3	15.8	15.6	16.1	16.4
	8H	15.2	15.7	15.6	16.0	16.4	15.2	15.7	15.6	16.0	16.4
	12H	15.2	15.6	15.6	16.0	16.3	15.2	15.6	15.6	16.0	16.3
4H	2H	15.4	15.9	15.7	16.2	16.5	15.4	15.9	15.7	16.2	16.5
	3H	15.2	15.7	15.6	16.0	16.3	15.2	15.7	15.6	16.0	16.3
	4H	15.1	15.5	15.5	15.9	16.3	15.1	15.5	15.5	15.9	16.3
	6H	15.0	15.4	15.5	15.8	16.2	15.0	15.4	15.5	15.8	16.2
	8H	15.0	15.3	15.4	15.7	16.2	15.0	15.3	15.4	15.7	16.2
	12H	14.9	15.2	15.4	15.7	16.1	14.9	15.2	15.4	15.7	16.1
8H	4H	15.0	15.3	15.4	15.7	16.2	15.0	15.3	15.4	15.7	16.2
	6H	14.9	15.2	15.4	15.6	16.1	14.9	15.2	15.4	15.6	16.1
	8H	14.9	15.1	15.3	15.5	16.0	14.9	15.1	15.3	15.5	16.0
	12H	14.8	15.0	15.3	15.5	16.0	14.8	15.0	15.3	15.5	16.0
12H	4H	14.9	15.2	15.4	15.7	16.1	14.9	15.2	15.4	15.7	16.1
	6H	14.8	15.1	15.3	15.5	16.0	14.9	15.1	15.3	15.5	16.0
	8H	14.8	15.0	15.3	15.5	16.0	14.8	15.0	15.3	15.5	16.0
Variations with the observer position at spacing:											
S =	1.0H	5.1 / -13.5					5.1 / -13.5				
	1.5H	7.9 / -14.7					7.9 / -14.7				
	2.0H	9.9 / -15.9					9.9 / -15.9				