

Last information update: January 2025

Product configuration: MV07.43

MV07.43: 10 - cell Recessed luminaire - LED - Warm white - Wide Flood optic - 20W 1559.1lm - 3000K - CRI 95 - Black / Black



Product code

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Technical description

rectangular miniaturised recessed luminaire with 10 optical elements with LED lamps - fixed optics - wide flood beam angle. Main body with die-cast aluminium radiant surface, version with perimeter surface frame. Metallised thermoplastic high definition optics, integrated in a rear position in the black anti-glare screen; the structure of the optical system prevents a pinpoint effect, allowing precise, circular light distribution and emission with controlled glare. Warm white high colour rendering LED

Installation

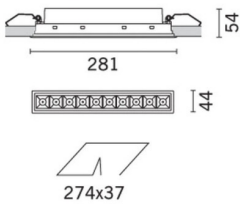
recessed with steel wire springs for false ceilings from 1 to 25 mm thick - preparation hole 37 x 274

Colour

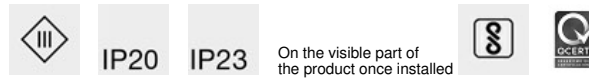
Black / Black (43)

Mounting

wall recessed|ceiling recessed



Complies with EN60598-1 and pertinent regulations

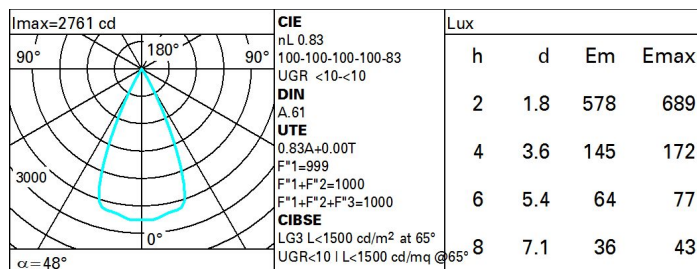


On the visible part of the product once installed

Technical data

lm system:	1559	CRI (typical):	97
W system:	20	Colour temperature [K]:	3000
lm source:	1880	MacAdam Step:	3
W source:	20	Life Time LED 1:	50,000h - L90 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	78	Lamp code:	LED
lm 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.) [%]:	83	Number of optical assemblies:	1
Beam angle [°]:	48°	LED current [mA]:	700
CRI (minimum):	95		

Polar



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	75	71	68	66	70	68	68	65	78
1.0	78	75	72	70	74	72	71	69	83
1.5	82	79	77	76	79	77	76	74	89
2.0	85	83	81	80	82	80	79	77	93
2.5	86	85	84	83	84	83	82	79	96
3.0	87	86	85	85	85	84	83	81	98
4.0	88	87	87	86	86	86	84	82	99
5.0	89	88	88	88	87	86	85	83	100

UGR diagram

Corrected UGR values (at 1880 lm bare lamp luminous flux)											
Riflect.:		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		viewed crosswise					viewed endwise				
x	y										
2H	2H	1.5	2.0	1.8	2.2	2.5	1.5	2.0	1.8	2.2	2.5
	3H	1.4	1.8	1.7	2.1	2.4	1.4	1.8	1.7	2.1	2.4
	4H	1.3	1.7	1.6	2.0	2.3	1.3	1.7	1.6	2.0	2.3
	6H	1.2	1.6	1.6	1.9	2.3	1.2	1.6	1.6	1.9	2.2
	8H	1.2	1.6	1.6	1.9	2.2	1.2	1.6	1.6	1.9	2.2
12H	1.2	1.5	1.5	1.9	2.2	1.2	1.5	1.5	1.8	2.2	
4H	2H	1.3	1.7	1.6	2.0	2.3	1.3	1.7	1.6	2.0	2.3
	3H	1.2	1.5	1.5	1.9	2.2	1.2	1.5	1.5	1.9	2.2
	4H	1.1	1.4	1.5	1.8	2.1	1.1	1.4	1.5	1.8	2.1
	6H	1.0	1.3	1.4	1.7	2.1	1.0	1.3	1.4	1.7	2.1
	8H	0.9	1.2	1.4	1.6	2.0	0.9	1.2	1.4	1.6	2.0
12H	0.9	1.1	1.3	1.6	2.0	0.9	1.1	1.3	1.5	2.0	
8H	4H	0.9	1.2	1.4	1.6	2.0	0.9	1.2	1.4	1.6	2.0
	6H	0.9	1.1	1.3	1.5	2.0	0.9	1.1	1.3	1.5	2.0
	8H	0.8	1.0	1.3	1.4	1.9	0.8	1.0	1.3	1.4	1.9
	12H	0.7	0.9	1.2	1.4	1.9	0.7	0.9	1.2	1.4	1.9
12H	4H	0.9	1.1	1.3	1.5	2.0	0.9	1.1	1.3	1.6	2.0
	6H	0.8	1.0	1.3	1.4	1.9	0.8	1.0	1.3	1.4	1.9
	8H	0.7	0.9	1.2	1.4	1.9	0.7	0.9	1.2	1.4	1.9
Variations with the observer position at spacing:											
S =	1.0H	0.9 / -18.0					0.9 / -18.0				
	1.5H	9.7 / -18.3					9.7 / -18.3				
	2.0H	11.7 / -18.4					11.7 / -18.4				