

Last information update: January 2025

Product configuration: MV03.43

MV03.43: 10 - cell Recessed luminaire - LED Neutral white Wide Flood optic - 20W 1683.5lm - 4000K - CRI 95 - Black / Black



Product code

MV03.43: 10 - cell Recessed luminaire - LED Neutral white Wide Flood optic - 20W 1683.5lm - 4000K - CRI 95 - Black / Black

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 . Neutral white LED.

Installation

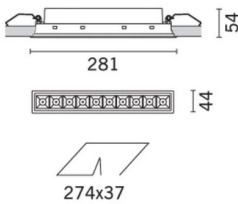
recessed with steel wire springs for false ceilings from 1 to 25 mm thick - preparation hole 37 x 274

Colour

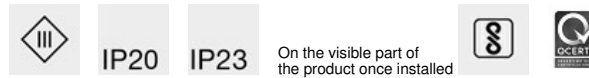
Black / Black (43)

Mounting

wall recessed|ceiling recessed



Complies with EN60598-1 and pertinent regulations

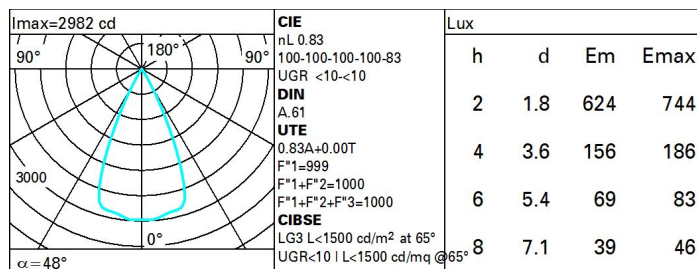


On the visible part of the product once installed

Technical data

lm system:	1683	CRI (typical):	97
W system:	20	Colour temperature [K]:	4000
lm source:	2030	MacAdam Step:	3
W source:	20	Life Time LED 1:	50,000h - L90 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	84.2	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 2030 lm bare lamp luminous flux)											
Reflect.:											
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					viewed				
x	y	crosswise					endwise				
2H	2H	1.8	2.3	2.1	2.5	2.7	1.8	2.3	2.1	2.5	2.7
	3H	1.7	2.1	2.0	2.4	2.6	1.7	2.1	2.0	2.4	2.6
	4H	1.6	2.0	1.9	2.3	2.6	1.6	2.0	1.9	2.3	2.6
	6H	1.5	1.9	1.9	2.2	2.5	1.5	1.9	1.9	2.2	2.5
	8H	1.5	1.8	1.8	2.2	2.5	1.5	1.8	1.8	2.2	2.5
	12H	1.4	1.8	1.8	2.1	2.5	1.4	1.8	1.8	2.1	2.5
4H	2H	1.6	2.0	1.9	2.3	2.6	1.6	2.0	1.9	2.3	2.6
	3H	1.4	1.8	1.8	2.1	2.5	1.4	1.8	1.8	2.1	2.5
	4H	1.3	1.7	1.7	2.0	2.4	1.3	1.7	1.7	2.0	2.4
	6H	1.3	1.5	1.7	1.9	2.3	1.3	1.5	1.7	1.9	2.3
	8H	1.2	1.5	1.7	1.9	2.3	1.2	1.5	1.6	1.9	2.3
	12H	1.2	1.4	1.6	1.8	2.3	1.2	1.4	1.6	1.8	2.3
8H	4H	1.2	1.5	1.6	1.9	2.3	1.2	1.5	1.7	1.9	2.3
	6H	1.1	1.3	1.6	1.8	2.2	1.1	1.3	1.6	1.8	2.2
	8H	1.1	1.2	1.5	1.7	2.2	1.1	1.2	1.5	1.7	2.2
	12H	1.0	1.2	1.5	1.6	2.2	1.0	1.2	1.5	1.6	2.2
12H	4H	1.2	1.4	1.6	1.8	2.3	1.2	1.4	1.6	1.8	2.3
	6H	1.1	1.2	1.5	1.7	2.2	1.1	1.2	1.5	1.7	2.2
	8H	1.0	1.2	1.5	1.6	2.2	1.0	1.2	1.5	1.6	2.2
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				