

Last information update: January 2025

Product configuration: MU94.43

MU94.43: 5 - cell Recessed luminaire - LED - Neutral white Flood optic - 9.8W 814.7lm - 4000K - CRI 95 - Black / Black



Product code

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Technical description

rectangular miniaturised recessed luminaire with 5 optical elements with LED lamps - fixed optics - 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 141

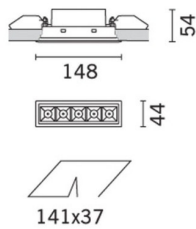
Colour

Black / Black (43)

Mounting

wall recessed|ceiling recessed

Complies with EN60598-1 and pertinent regulations



IP20

IP23

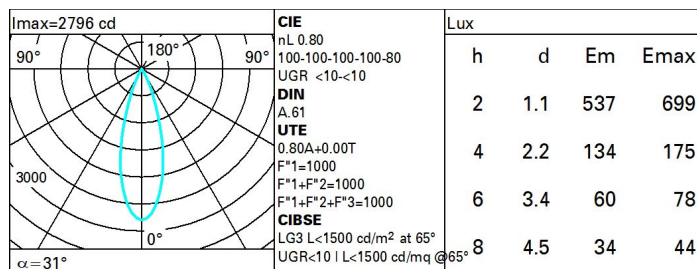
On the visible part of the product once installed



Technical data

Im system:	815	CRI (typical):	97
W system:	9.8	Colour temperature [K]:	4000
Im source:	1020	MacAdam Step:	3
W source:	9.8	Life Time LED 1:	50,000h - L90 - B10 (Ta 25°C)
Luminous efficiency (Im/W, real value):	83.1	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.) [%]:	80	Number of optical assemblies:	1
Beam angle [°]:	31°	LED current [mA]:	700
CRI (minimum):	95		

Polar



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	72	69	66	64	68	66	65	63	78
1.0	75	72	70	68	71	69	69	66	83
1.5	79	77	75	73	76	74	73	71	89
2.0	81	80	78	77	79	77	76	74	93
2.5	83	82	81	80	80	79	79	77	96
3.0	84	83	82	81	82	81	80	78	98
4.0	85	84	84	83	83	82	81	79	99
5.0	85	85	85	84	84	83	82	80	100

UGR diagram

Corrected UGR values (at 1020 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	-3.1	-2.6	-2.8	-2.3	-2.1	-3.1	-2.6	-2.8	-2.3	-2.1
	3H	-3.2	-2.7	-2.9	-2.5	-2.2	-3.2	-2.7	-2.9	-2.5	-2.2
	4H	-3.3	-2.8	-3.0	-2.6	-2.3	-3.3	-2.8	-3.0	-2.6	-2.3
	6H	-3.4	-3.0	-3.0	-2.6	-2.3	-3.4	-3.0	-3.0	-2.6	-2.3
	8H	-3.4	-3.0	-3.0	-2.7	-2.3	-3.4	-3.0	-3.0	-2.7	-2.3
	12H	-3.4	-3.1	-3.1	-2.7	-2.4	-3.4	-3.1	-3.1	-2.7	-2.4
4H	2H	-3.3	-2.8	-3.0	-2.6	-2.3	-3.3	-2.8	-3.0	-2.6	-2.3
	3H	-3.4	-3.1	-3.1	-2.7	-2.4	-3.4	-3.1	-3.1	-2.7	-2.4
	4H	-3.5	-3.2	-3.1	-2.8	-2.4	-3.5	-3.2	-3.1	-2.8	-2.4
	6H	-3.6	-3.3	-3.2	-2.9	-2.5	-3.6	-3.3	-3.2	-2.9	-2.5
	8H	-3.7	-3.4	-3.2	-3.0	-2.5	-3.7	-3.4	-3.2	-3.0	-2.5
	12H	-3.7	-3.5	-3.3	-3.0	-2.6	-3.7	-3.5	-3.3	-3.0	-2.6
8H	4H	-3.7	-3.4	-3.2	-3.0	-2.5	-3.7	-3.4	-3.2	-3.0	-2.5
	6H	-3.7	-3.5	-3.3	-3.1	-2.6	-3.7	-3.5	-3.3	-3.1	-2.6
	8H	-3.8	-3.6	-3.3	-3.2	-2.7	-3.8	-3.6	-3.3	-3.2	-2.7
	12H	-3.9	-3.7	-3.4	-3.2	-2.7	-3.9	-3.7	-3.4	-3.2	-2.7
12H	4H	-3.7	-3.5	-3.3	-3.0	-2.6	-3.7	-3.5	-3.3	-3.0	-2.6
	6H	-3.8	-3.6	-3.3	-3.2	-2.7	-3.8	-3.6	-3.3	-3.2	-2.7
	8H	-3.9	-3.7	-3.4	-3.2	-2.7	-3.9	-3.7	-3.4	-3.2	-2.7
Variations with the observer position at spacing:											
S =	1.0H	0.8 / -18.5					0.8 / -18.5				
	1.5H	9.6 / -18.7					9.6 / -18.7				
	2.0H	11.6 / -23.0					11.6 / -23.0				