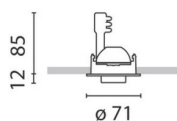
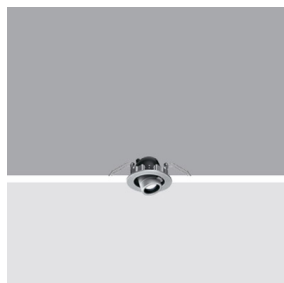


Last information update: May 2024

Product configuration: MS43

MS43: mini body LED neutral white - medium optic

**Product code**MS43: mini body LED neutral white - medium optic **Attention! Code no longer in production****Technical description**

Recessed luminaire made of die-cast aluminium and thermoplastic material, with 1x2.2W high-performing LED with monochromatic emission in Neutral White (4200K). LED optic with plastic lenses with medium beam (M=15°). 335° rotation around vertical axis and 65° rotation around horizontal axis with continuous frictioning (only on horizontal axis). Anti-glare screen available as accessory. The technical characteristics of the luminaires comply with EN60598-1 norms and following amendments.

Installation

Recessed installation in false ceilings with thickness from 1 mm to 20 mm by means of special steel torsional springs and hinged brackets.

Colour

White (01) | Grey (15)

Mounting

ceiling recessed

Wiring

Electronic components for LED to be ordered separately.

Notes

For compliance with the NFC 20-455 standard use an optional filter code MW57 for each optical assembly

Complies with EN60598-1 and pertinent regulations

**Technical data**

lm system:	115	CRI (minimum):	80
W system:	1.8	Colour temperature [K]:	4000
lm source:	150	MacAdam Step:	3
W source:	1.8	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	64.1	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.) [%]:	77	Number of optical assemblies:	1
Beam angle [°]:	34°	LED current [mA]:	600

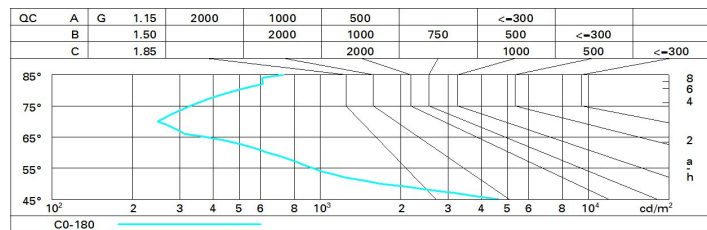
Polar

<p>$\alpha = 34^\circ$</p>	Imax=305 cd 90° 180° 90° 300 0°	CIE nL 0.77 98-100-100-100-77 UGR <10-10 DIN A.61 UTE 0.77A+0.00T F*1=982 F*1+F*2=998 F*1+F*2+F*3=999 CIBSE LG3 L<1500 cd/m² at 65° UGR<10 L<1500 cd/mq @65°	Lux <table><tr><th>h</th><th>d</th><th>Em</th><th>Emax</th></tr><tr><td>1</td><td>0.6</td><td>246</td><td>305</td></tr><tr><td>2</td><td>1.2</td><td>61</td><td>76</td></tr><tr><td>3</td><td>1.8</td><td>27</td><td>34</td></tr><tr><td>4</td><td>2.4</td><td>15</td><td>19</td></tr></table>	h	d	Em	Emax	1	0.6	246	305	2	1.2	61	76	3	1.8	27	34	4	2.4	15	19
	h	d	Em	Emax																			
	1	0.6	246	305																			
	2	1.2	61	76																			
	3	1.8	27	34																			
4	2.4	15	19																				

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	69	65	63	61	65	62	62	59	77
1.0	72	69	66	65	68	66	65	63	82
1.5	76	73	71	70	72	71	70	68	88
2.0	78	76	75	74	75	74	73	71	92
2.5	80	78	77	76	77	76	75	73	95
3.0	81	80	79	78	78	78	77	75	97
4.0	82	81	80	80	80	79	78	76	99
5.0	82	82	81	81	80	80	79	77	100

Luminance curve limit



UGR diagram

Corrected UGR values (at 150 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
		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30
		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	10.0	10.6	10.3	10.8	11.0	10.0	10.6	10.3	10.8	11.0
	3H	9.9	10.4	10.2	10.7	10.9	9.9	10.4	10.2	10.7	10.9
	4H	9.8	10.3	10.1	10.6	10.9	9.8	10.3	10.1	10.6	10.9
	6H	9.7	10.2	10.1	10.5	10.8	9.7	10.2	10.1	10.5	10.8
	8H	9.7	10.1	10.1	10.5	10.8	9.7	10.1	10.0	10.4	10.8
	12H	9.7	10.1	10.1	10.4	10.8	9.6	10.1	10.0	10.4	10.7
4H	2H	9.8	10.3	10.1	10.6	10.9	9.8	10.3	10.1	10.6	10.9
	3H	9.7	10.1	10.0	10.4	10.8	9.7	10.1	10.0	10.4	10.8
	4H	9.6	9.9	10.0	10.3	10.7	9.6	9.9	10.0	10.3	10.7
	6H	9.5	9.8	9.9	10.2	10.7	9.5	9.8	9.9	10.2	10.6
	8H	9.5	9.8	9.9	10.2	10.6	9.5	9.7	9.9	10.2	10.6
	12H	9.5	9.7	9.9	10.2	10.6	9.4	9.7	9.9	10.1	10.6
8H	4H	9.5	9.7	9.9	10.2	10.6	9.5	9.8	9.9	10.2	10.6
	6H	9.4	9.6	9.9	10.1	10.6	9.4	9.7	9.9	10.1	10.6
	8H	9.4	9.6	9.9	10.1	10.6	9.4	9.6	9.9	10.1	10.6
	12H	9.4	9.6	9.9	10.0	10.6	9.4	9.5	9.9	10.0	10.5
12H	4H	9.4	9.7	9.9	10.1	10.6	9.5	9.7	9.9	10.2	10.6
	6H	9.4	9.6	9.8	10.0	10.5	9.4	9.6	9.9	10.1	10.6
	8H	9.4	9.5	9.9	10.0	10.5	9.4	9.6	9.9	10.0	10.6
Variations with the observer position at spacing:											
S =	1.0H	5.0 / -8.6					5.0 / -8.6				
	1.5H	7.7 / -9.5					7.7 / -9.5				
	2.0H	9.7 / -10.1					9.7 / -10.1				