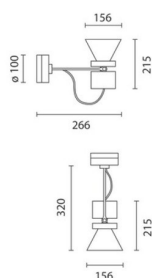


Last information update: April 2024

**Product configuration: MR05**

MR05: Medium body spotlight - warm white - electronic ballast and dimmer - flood optic

**Product code**MR05: Medium body spotlight - warm white - electronic ballast and dimmer - flood optic **Attention! Code no longer in production****Technical description**

Spotlight made of die-cast aluminium and thermoplastic material. The luminaire can be rotated by 340° about the vertical axis and tilted by +/- 100° in relation to the horizontal plane. Hi-precision beam aiming is guaranteed by screw-operated mechanical locks, graduated scales and friction controls. The spotlight is equipped with a die-cast aluminium ballast unit for wall or ceiling mounting. Luminaire for high output LED lamp with monochrome emission in a warm white colour tone (3000K). Dimmable electronic ballast. Equipped with an accessory holding ring designed to contain a flat accessory. Another external component can also be applied, selected from directional flaps and an asymmetric screen. All external accessories rotate 360° about the spotlight longitudinal axis.

**Installation**

Wall or ceiling-mounted.

**Colour**

White (01) | Grey (15)

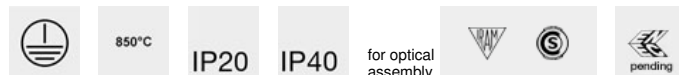
**Mounting**

wall arm|wall surface|ceiling surface

**Wiring**

The dimmable electronic components are housed in the luminaire.

Complies with EN60598-1 and pertinent regulations

**Technical data**

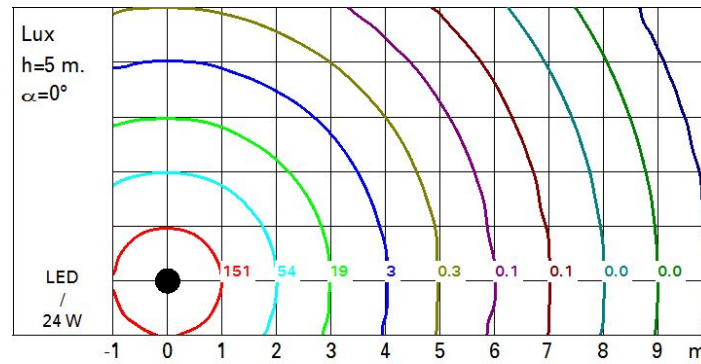
Im system:	2218	CRI (minimum):	80
W system:	24	Colour temperature [K]:	3000
Im source:	3000	MacAdam Step:	3
W source:	21	Life Time LED 1:	50,000h - L80 - B10 (Ta 25°C)
Luminous efficiency (Im/W, real value):	92.4	Lamp code:	LED
Im in emergency mode:	-	Number of lamps for optical assembly:	1
Total light flux at or above an angle of 90° [Lm]:	0	ZVEI Code:	LED
Light Output Ratio (L.O.R.) [%]:	74	Number of optical assemblies:	1
Beam angle [°]:	36°		

**Polar**

Imax=4964 cd		Lux			
90°	180°	h	d	Em	Emax
		2	1.3	987	1241
		4	2.6	247	310
		6	3.9	110	138
		8	5.2	62	78
$\alpha = 36^\circ$					



### Isolux



### UGR diagram

Corrected UGR values (at 3000 lm bare lamp luminous flux)												
Reflect.:		viewed crosswise					viewed endwise					
ceiling		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	14.9	15.5	15.2	15.8	16.0	14.9	15.5	15.2	15.8	16.0	
	3H	14.8	15.3	15.1	15.6	15.9	14.8	15.3	15.1	15.6	15.9	
	4H	14.7	15.2	15.1	15.5	15.8	14.7	15.2	15.1	15.5	15.8	
	6H	14.6	15.1	15.0	15.4	15.8	14.6	15.1	15.0	15.4	15.8	
	8H	14.6	15.1	15.0	15.4	15.7	14.6	15.1	15.0	15.4	15.7	
	12H	14.6	15.0	15.0	15.3	15.7	14.6	15.0	14.9	15.3	15.7	
4H	2H	14.7	15.2	15.1	15.5	15.8	14.7	15.2	15.1	15.5	15.8	
	3H	14.6	15.0	15.0	15.4	15.7	14.6	15.0	15.0	15.4	15.7	
	4H	14.5	14.9	14.9	15.2	15.6	14.5	14.9	14.9	15.2	15.6	
	6H	14.4	14.7	14.8	15.1	15.6	14.4	14.7	14.8	15.1	15.6	
	8H	14.4	14.7	14.8	15.1	15.5	14.4	14.7	14.8	15.1	15.5	
	12H	14.3	14.6	14.8	15.0	15.5	14.3	14.6	14.8	15.0	15.5	
8H	4H	14.4	14.7	14.8	15.1	15.5	14.4	14.7	14.8	15.1	15.5	
	6H	14.3	14.5	14.7	15.0	15.5	14.3	14.5	14.7	15.0	15.5	
	8H	14.2	14.4	14.7	14.9	15.4	14.2	14.4	14.7	14.9	15.4	
	12H	14.2	14.4	14.7	14.8	15.4	14.2	14.4	14.7	14.8	15.4	
12H	4H	14.3	14.6	14.8	15.0	15.5	14.3	14.6	14.8	15.0	15.5	
	6H	14.2	14.4	14.7	14.9	15.4	14.2	14.4	14.7	14.9	15.4	
	8H	14.2	14.4	14.7	14.8	15.4	14.2	14.4	14.7	14.8	15.4	
Variations with the observer position at spacing:												
S =		1.0H	5.8 / -12.8				5.8 / -12.8					
		1.5H	8.6 / -14.2				8.6 / -14.2					
		2.0H	10.6 / -15.7				10.6 / -15.7					