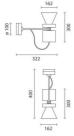
Last information update: June 2018





Large body spotlight - Neutral white - electronic ballast- medium optic

Product code

MR10

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 ceiling mounting. Luminaire for high output LED lamp with monochrome emission in a neutral white colour tone (4000K). 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

Ceiling-mounted.

Dimension (mm)

Ø162x300

White (01) | Grey (15)

Weight (Kg)

2.25

Mounting

wall arm|wall surface|ceiling surface

Wiring

Electronic components housed in the luminaire.

Complies with EN60598-1 and pertinent regulations























Product configuration: MR10

Product characteristics

Total lighting output [Lm]: 3687 Total power [W]: 35.5 Luminous efficacy [Lm/W]: 103.8

Life Time: > 50,000h - L80 - B10 (Ta 25°C)

Total luminous flux at or above an angle of 90° [Lm]: 0

Emergency luminous flux [Lm]: / Voltage [V]:

Number of optical assemblies: 1

Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 74

Lamp code: LED ZVEI Code: LED Nominal power [W]: 31 Nominal luminous [Lm]: 5000 Lamp maximum intensity [cd]: / Beam angle [°]: 16°

Number of lamps for optical assembly: 1

Socket: /

Ballast losses [W]: 4.5 Colour temperature [K]: 4000

CRI: 80

Wavelength [Nm]: / MacAdam Step: 2

Polar

Imax=28453 cd	CIE	Lux					
90° 180° 90°	nL 0.74 99-100-100-100-74	h	d	Em	Emax		
	UGR <10-<10 DIN A.61 UTE	2	0.6	5481	7113		
	0.74A+0.00T F"1=993	4	1.1	1370	1778		
32000	F"1+F"2=999 F"1+F"2+F"3=1000 CIBSE	6	1.7	609	790		
α=16°	LG3 L<1500 cd/m² at 65° UGR<10 L<1500 cd/mq @	_{65°} 8	2.2	343	445		

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	66	63	61	59	62	60	60	58	78
1.0	69	66	64	62	66	64	63	61	83
1.5	73	70	69	67	70	68	67	65	88
2.0	75	73	72	71	72	71	70	68	93
2.5	76	75	74	73	74	73	72	70	96
3.0	77	77	76	75	75	75	74	72	98
4.0	78	78	77	77	76	76	75	73	99
5.0	79	78	78	78	77	77	76	74	100

Luminance curve limit

2C	Α	G	1.15	2000	100	0	500		<=300		
	В		1.50		200	0	1000	750	500	<=300	
	С		1.85				2000		1000	500	<=300
85° r					_			_ / _			
85											8 6
75°				_ <			\downarrow				- 4
					2		/ /			_	-
35°					\leftarrow	-				_	2
								1		1	
55°											a h
								1			< "
45° 10	0 ²		2	3 4 5	6	8 10 ³		2 3	4 5 6	8 10 ⁴	cd/m ²
	C0-18	0									

Corre	ected UC	R value:	s (at 500	0 Im bare	e lamp li	eu oni mu	flux)						
Rifled	ct.:												
ceil/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		5000000		viewed		viewed							
х у		crosswise						endwise					
2H	2H	1.2	3.3	1.6	3.7	4.0	1.2	3.3	1.6	3.7	4.0		
	ЗН	1.3	2.9	1.7	3.2	3.5	1.2	2.7	1.5	3.0	3.		
	4H	1.4	2.6	1.7	3.0	3.3	1.1	2.4	1.5	2.7	3.		
	бН	1.4	2.4	1.8	2.7	3.0	1.1	2.1	1.5	2.4	2.		
	нв	1.4	2.4	1.8	2.7	3.1	1.1	2.0	1.5	2.4	2.		
	12H	1.4	2.4	1.8	2.7	3.1	1.0	2.0	1.4	2.4	2.		
4H	2H	1.1	2.4	1.5	2.7	3.1	1.4	2.6	1.7	3.0	3.		
	ЗН	1.3	2.3	1.7	2.7	3.0	1.4	2.4	1.8	2.7	3.		
	4H	1.3	2.4	1.8	2.8	3.2	1.3	2.4	1.8	2.8	3.2		
	6H	1.1	2.9	1.6	3.3	3.8	1.0	2.8	1.5	3.2	3.		
	HS	1.1	3.0	1.5	3.5	4.0	0.9	2.9	1.4	3.3	3.		
	12H	1.0	3.0	1.5	3.5	4.0	8.0	2.8	1.4	3.3	3.		
нв	4H	0.9	2.9	1.4	3.3	3.8	1.1	3.0	1.5	3.5	4.		
	6H	1.1	2.8	1.6	3.3	3.8	1.1	2.9	1.6	3.3	3.		
	HS	1.1	2.7	1.6	3.2	3.7	1.1	2.7	1.6	3.2	3.		
	12H	1.4	2.3	1.9	2.8	3.3	1.3	2.3	1.8	2.8	3.		
12H	4H	8.0	2.8	1.4	3.3	3.8	1.0	3.0	1.5	3.5	4.		
	бН	1.1	2.6	1.6	3.1	3.6	1.1	2.7	1.7	3.2	3.		
	HS	1.3	2.3	1.8	2.8	3.3	1.4	2.3	1.9	2.8	3.		
		th the ol	bserverp	osition a	at spacir	ng:							
5 =	1.0H			2 / -3.					2.2 / -3				
	1.5H 2.0H	4.5 / -4.1 6.3 / -4.2					4.5 / -4.1						