Design Piano Design

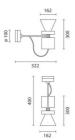
iGuzzini

Last information update: May 2024

Product configuration: MR13

MR13: Large body spotlight - warm white - electronic ballast - medium optic





Product code

MR13: Large body spotlight - warm white - electronic ballast - medium 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 ceiling mounting. Luminaire for high output LED lamp with monochrome emission in a warm white colour tone (3000K). 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.

Colour

White (01) | Grey (15)

Mounting

wall arm|wall surface|ceiling surface

Wiring

Electronic components housed in the luminaire.

Complies with EN60598-1 and pertinent regulations













Technical data

Im system:	3760	CRI (minimum):	80	
W system:	42	Colour temperature [K]:	3000	
Im source:	5100	MacAdam Step:	3	
W source:	38	Life Time LED 1:	50,000h - L80 - B10 (Ta 25°C)	
Luminous efficiency (lm/W,	89.5	Lamp code:	LED	
real value):		Number of lamps for optical	1	
Im in emergency mode:	-	assembly:		
	0	ZVEI Code:	LED	
an angle of 90° [Lm]:		Number of optical	1	
Light Output Ratio (L.O.R.) [%]:	74	assemblies:		
Beam angle [°]:	16°			

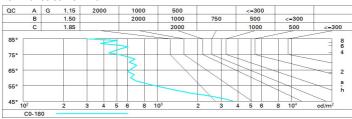
Polar

Imax=29022 cd	CIE	Lux			
90° 180° 90°	nL 0.74 99-100-100-100-74	h	d	Em	Emax
	UGR <10-<10 DIN A.61	2	0.6	5591	7256
	UTE 0.74A+0.00T F"1=993	4	1.1	1398	1814
32000	F"1+F"2=999 F"1+F"2+F"3=1000 CIBSE	6	1.7	621	806
α=16°	LG3 L<1500 cd/m² at 65° UGR<10 L<1500 cd/mq @	_{65°} 8	2.2	349	453

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



Corre	ected UC	R value:	s (at 510	0 Im bar	e lamp li	um ino us	flux)				
Rifled	ct.:										
ce il/c	av	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
Roon	n dim	viewed							viewed		
X	У	crosswise					endwise				
2H	2H	1.3	3.4	1.7	3.7	4.1	1.3	3.4	1.7	3.7	4.
	ЗН	1.4	2.9	1.8	3.3	3.6	1.2	2.8	1.6	3.1	3.5
	4H	1.4	2.7	1.8	3.0	3.4	1.2	2.5	1.6	2.8	3.
	бН	1.5	2.4	1.9	2.8	3.1	1.2	2.1	1.6	2.5	2.8
	HS	1.5	2.4	1.9	2.8	3.1	1.2	2.1	1.5	2.5	2.8
	12H	1.4	2.4	1.8	2.8	3.2	1.1	2.1	1.5	2.4	2.8
4H	2H	1.2	2.5	1.6	2.8	3.1	1.4	2.7	1.8	3.0	3.4
	ЗН	1.4	2.4	1.8	2.7	3.1	1.5	2.4	1.9	2.8	3.2
	4H	1.4	2.5	1.8	2.8	3.3	1.4	2.5	1.8	2.8	3.3
	бН	1.2	2.9	1.7	3.4	3.9	1.1	2.8	1.6	3.3	3.8
	HS	1.1	3.1	1.6	3.5	4.0	1.0	2.9	1.5	3.4	3.9
	12H	1.1	3.0	1.6	3.5	4.0	0.9	2.9	1.4	3.4	3.9
вн	4H	1.0	2.9	1.5	3.4	3.9	1.1	3.1	1.6	3.5	4.0
	6H	1.1	2.9	1.6	3.4	3.9	1.1	2.9	1.7	3.4	3.9
	HS	1.2	2.7	1.7	3.2	3.8	1.2	2.7	1.7	3.2	3.8
	12H	1.4	2.4	1.9	2.9	3.4	1.4	2.3	1.9	2.8	3.4
12H	4H	0.9	2.9	1.4	3.4	3.9	1.1	3.0	1.6	3.5	4.0
	бН	1.1	2.7	1.7	3.2	3.7	1.2	2.7	1.7	3.2	3.8
	HS	1.4	2.3	1.9	2.8	3.4	1.4	2.4	1.9	2.9	3.4
Varia	tions wi	th the ol	oserverp	noitieo	at spacir	ng:					
S =	1.0H	2.2 / -3.3					2.2 / -3.3				
	1.5H	4.5 / -4.1					4.5 / -4.1				