Design iGuzzini

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ø 136

1 ø 125

extractable, adjustable, recessed LED luminaire - electronic control gear included

Product code MU44

Technical description

Extractable, adjustable, recessed luminaire for warm white LED lamp with high color rendering index. Passive heat dispersion system. Die-cast aluminium main body and frame; stainless steel rotation hinge. Rotation ring with safety cover in a high resistance thermoplastic material. Body adjusted with a manual manoeuvre device: internal 40° - external 65° - rotation on 355° axis. Reflector with high efficiency super-pure aluminium optic - wideflood beam angle. Die-cast aluminium lamp body closure ring. Tempered transparent glass screen. Electronic control gear supplied and connected to the luminaire.

Installation

86

recessed using steel springs in false ceilings with thicknesses starting at 1 mm; preparation hole Ø 125 mm

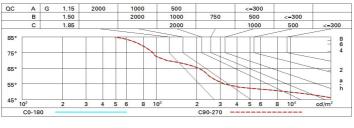
Dimension (mm) Ø136x98				
Colour White (01)				
Weight (Kg) 0.85				
Mounting ceiling recessed				
Wiring on control gear box with quick-coupling connections				
IP20 IP23 On the visible part of the product once installed	Complies with EN60598-1 and pertinent regulation			
	>			
Product configuration: MU44				
Product characteristics Total lighting output [Lm]: 1559 Total power [W]: 18.8 Luminous efficacy [Lm/W]: 82.9 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.) [%]: 78 Lamp code: LED ZVEI Code: LED Nominal power [W]: 15 Nominal luminous [Lm]: 2000 Lamp maximum intensity [cd]: /	Number of lamps for optical assembly: 1 Socket: / Ballast losses [W]: 3.8 Colour temperature [K]: 3000 CRI: 90 Wavelength [Nm]: /			

Polar CIE Imax=2071 cd Lux nL 0.78 97-100-100-100-78 UGR 18.5-18.5 DIN 180 90 Emax 90° h d Em 2 2 400 516 A.61 UTE 0.78A+0.00T F"1=965 F"1+F"2=997 4 4.1 100 129 2000 F"1+F"2+F"3=1000 6 6.1 44 57 CIBSE LG3 L<3000 cd/m² at 65° 0° UGR<19 | L<3000 cd/mq @65° 8 8.2 25 32 $\alpha = 54^{\circ}$

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	69	65	63	60	65	62	62	59	76
1.0	72	69	66	65	68	66	66	63	81
1.5	76	74	72	70	73	71	70	68	87
2.0	79	77	75	74	76	75	74	71	92
2.5	80	79	78	77	78	77	76	74	95
3.0	81	80	80	79	79	78	77	75	97
4.0	83	82	81	81	80	80	79	77	98
5.0	83	82	82	82	81	81	79	78	99

Luminance curve limit



UGR diagram

Rifle	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 work pl.		0.50	0.30	0.50 0.20	0.30 0.20	0.30 0.20	0.50 0.20	0.30 0.20	0.50	0.30	0.30 0.20	
												Room dim
x	У	crosswise					endwise					
2H	2H	19.1	19.7	19.3	19.9	20.2	19.1	19.7	19.3	19.9	20.2	
	ЗH	18.9	19.5	19.3	19.8	20.0	18.9	19.5	19.2	19.8	20.0	
	4H	18.9	19.4	19.2	19.7	20.0	18.9	19.4	19.2	19.7	20.0	
	6H	18.8	19.3	19.1	19.6	19.9	18.8	19.3	19.1	19.6	19.9	
	BH	18.8	19.2	19.1	19.5	19.9	18.7	19.2	19.1	19.5	19.9	
	12H	18.7	19.2	19.1	19.5	19.8	18.7	19.2	19.1	19.5	19.8	
4H	2H	18.9	19.4	19.2	19.7	20.0	18.9	19.4	19.2	19.7	20.0	
	ЗH	18.7	19.2	19.1	19.5	19.9	18.7	19.2	19.1	19.5	19.9	
	4H	18.6	19.0	19.0	19.4	19.8	18.6	19.0	19.0	19.4	19.8	
	6H	18.6	18.9	19.0	19.3	19.7	18.5	18.9	19.0	19.3	19.1	
	HS	18.5	18.8	18.9	19.2	19.7	18.5	18.8	18.9	19.2	19.1	
	12H	18.5	18.7	18.9	19.2	19.6	18.5	18.7	18.9	19.2	19.0	
вн	4H	18.5	18.8	18.9	19.2	19.7	18.5	18.8	18.9	19.2	19.1	
	6H	18.4	18.7	18.9	19.1	19.6	18.4	18.7	18.9	19.1	19.0	
	BH	18.4	18.6	18.8	19.0	19.5	18.4	18.6	18.8	19.0	19.5	
	12H	18.3	18.5	18.8	19.0	19.5	18.3	18.5	18.8	19.0	19.5	
12H	4H	18.5	18.7	18.9	19.2	19.6	18.5	18.7	18.9	19.2	19.0	
	6H	18.4	18.6	18.8	19.0	19.5	18.4	18.6	18.8	19.0	19.5	
	8H	18.3	18.5	18.8	19.0	19.5	18.3	18.5	18.8	19.0	19.5	
Varia	tions wi	th the ob	pserverp	osition	at spacin	ig:						
S =	1.0H	5.1 / -13.5					5.1 / -13.5					
	1.5H	7.9 / -14.7					7.9 / -14.7					