Design iGuzzini

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

Product code

MU40

Technical description

Extractable, adjustable, recessed luminaire for warm white LED lamp. 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 superpure aluminium optic - flood beam angle. Die-cast aluminium lamp body closure ring. Tempered transparent glass screen. Electronic control gear supplied and connected to the luminaire.

Installation

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

Complies with EN60598-1 and pertinent regulations





On the visible part of the product once installed













Product configuration: MU40

Product characteristics

Total lighting output [Lm]: 1578 Total power [W]: 15.8

Luminous efficacy [Lm/W]: 99.9 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.) [%]: 79

Lamp code: LED ZVEI Code: LED Nominal power [W]: 13 Nominal luminous [Lm]: 2000

Lamp maximum intensity [cd]: / Beam angle [°]: 42°

Number of lamps for optical assembly: 1

Socket:

Ballast losses [W]: 2.8 Colour temperature [K]: 3000

CRI: 80

Wavelength [Nm]: / MacAdam Step: 2

Polar

Imax=2715 cd CI		Lux			
90° (180°) 90° 97	L 0.79 7-100-100-100-79	h	d	Em	Emax
DI		2	1.5	526	679
0.7	79A+0.00T "1=968	4	3.1	132	170
F"	"1+F"2=998 "1+F"2+F"3=1000 IBSE	6	4.6	58	75
	G3 L<3000 cd/m² at 65° GR<19 L<3000 cd/mq @	_{65°} 8	6.1	33	42















Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	70	66	64	61	66	63	63	60	76
1.0	73	70	67	66	69	67	67	64	81
1.5	77	75	73	71	74	72	71	69	87
2.0	80	78	77	75	77	76	75	72	92
2.5	82	80	79	78	79	78	77	75	95
3.0	83	82	81	80	80	79	78	76	97
4.0	84	83	82	82	81	81	80	78	99
5.0	84	84	83	83	82	82	80	79	100

Luminance curve limit

QC	Α	G	1.15	2	000		1000)	500		<=3	300		
	В		1.50				2000)	1000	750	50	00	<=300	
	С		1.85						2000		10	00	500	<=300
85°				T						Т	$ \uparrow $	\top		8 6
75°							-		7					4
65° -									/					2 a
45° 10	0		2	3	_	5 6		B 10 ³		2 3	4 5	6	8 104	cd/m²
	CO-18	0 -	2	3	4	5 6		B 10-		C90-270	4 5		8 10	ca/m-

UGR diagram

620000												
Rifle	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				viewed		viewed						
X	У		(crosswis	е	endwise						
2H	2H	19.4	20.1	19.7	20.3	20.5	19.4	20.1	19.7	20.3	20.5	
	ЗН	19.2	19.8	19.6	20.1	20.4	19.2	19.8	19.6	20.1	20.	
	4H	19.2	19.7	19.5	20.0	20.3	19.2	19.7	19.5	20.0	20.3	
	бН	19.1	19.6	19.4	19.9	20.3	19.1	19.6	19.4	19.9	20.3	
	нв	19.1	19.6	19.4	19.9	20.2	19.1	19.6	19.4	19.9	20.2	
	12H	19.0	19.5	19.4	19.8	20.2	19.0	19.5	19.4	19.8	20.2	
4H	2H	19.2	19.7	19.5	20.0	20.3	19.2	19.7	19.5	20.0	20.	
	ЗН	19.0	19.5	19.4	19.8	20.2	19.0	19.5	19.4	19.8	20.2	
	4H	18.9	19.4	19.3	19.7	20.1	18.9	19.4	19.3	19.7	20.	
	бН	18.9	19.2	19.3	19.6	20.0	18.9	19.2	19.3	19.6	20.0	
	HS	8.81	19.1	19.3	19.6	20.0	18.8	19.1	19.2	19.6	20.0	
	12H	18.8	19.1	19.2	19.5	19.9	18.8	19.1	19.2	19.5	19.	
вн	4H	18.8	19.1	19.2	19.6	20.0	18.8	19.1	19.3	19.6	20.	
	6H	18.7	19.0	19.2	19.4	19.9	18.7	19.0	19.2	19.4	19.	
	HS	18.7	18.9	19.2	19.4	19.9	18.7	18.9	19.2	19.4	19.	
	12H	18.6	18.8	19.1	19.3	19.8	18.6	18.8	19.1	19.3	19.8	
12H	4H	18.8	19.1	19.2	19.5	19.9	18.8	19.1	19.2	19.5	19.	
	6H	18.7	18.9	19.2	19.4	19.9	18.7	18.9	19.2	19.4	19.	
	HS	18.6	18.8	19.1	19.3	19.8	18.6	18.8	19.1	19.3	19.8	
Varia	tions wi	th the ob	server p	osition	at spacin	g:						
5 =	1.0H		5.	1 / -14	.3			5	1 / -14	.3		
	1.5H		7.	9 / -16	.4		7.9 / -16.4					
	2.0H		9.	9 / -17	8.			9	9 / -17	8.		