Design iGuzzini

iGuzzini

Last information update: June 2018



## extractable, adjustable, recessed LED luminaire - DALI control gear included

### Product code

MU50

#### 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. Dimmerable DALI 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: MU50

### Product characteristics

Total lighting output [Lm]: 1559 Total power [W]: 18.6

Luminous efficacy [Lm/W]: 83.8 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.) [%]: 78 Lamp code: LED

ZVEI Code: LED Nominal power [W]: 15 Nominal luminous [Lm]: 2000

Lamp maximum intensity [cd]: / Beam angle [°]: 54°

Number of lamps for optical assembly: 1

Socket:

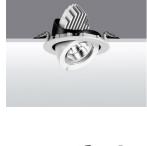
Ballast losses [W]: 3.6 Colour temperature [K]: 3000

CRI: 90

Wavelength [Nm]: / MacAdam Step: 2

### Polar

	CIE	Lux			
90°   180°   90°   9	nL 0.78 97-100-100-100-78	h	d	Em	Emax
	UGR 18.5-18.5 <b>DIN</b> A.61	2	2	400	516
	<b>UTE</b> 0.78A+0.00T F"1=965	4	4.1	100	129
	F"1+F"2=997 F"1+F"2+F"3=1000 CIBSE	6	6.1	44	57
	LG3 L<3000 cd/m² at 65° UGR<19   L<3000 cd/mq @	<sub>65°</sub> 8	8.2	25	32





ø 125

## 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

QC	Α	G	1.15	2	000		1	000		500				<=3	300				
	В		1.50				21	000		1000	7	50		50	00		<=300		
	С		1.85							2000				10	00		500	<=3	00
85° 75°	•				Ī	Ī	_			I	H						Í		6
65° -											1								:
45° 10	) <sup>2</sup>		2	3	4	5	6	8	10 <sup>3</sup>		2	3	4	5	6	8	104	cd/m²	
-	C0-180	) -					_				C90-2	270							

# UGR diagram

Corre	ected UC	R value:	at 200	0 Im bar	e lamp lu	ım inous	flux)						
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		
Roon	n dim	viewed						viewed					
x	У		0	eiweeor	e	endwise							
2H	2H	19.1	19.7	19.3	19.9	20.2	19.1	19.7	19.3	19.9	20.		
	ЗН	18.9	19.5	19.3	19.8	20.0	18.9	19.5	19.2	19.8	20.		
	4H	18.9	19.4	19.2	19.7	20.0	18.9	19.4	19.2	19.7	20.		
	бН	18.8	19.3	19.1	19.6	19.9	18.8	19.3	19.1	19.6	19.		
	нв	18.8	19.2	19.1	19.5	19.9	18.7	19.2	19.1	19.5	19.		
	12H	18.7	19.2	19.1	19.5	19.8	18.7	19.2	19.1	19.5	19.		
4H	2H	18.9	19.4	19.2	19.7	20.0	18.9	19.4	19.2	19.7	20.		
	ЗН	18.7	19.2	19.1	19.5	19.9	18.7	19.2	19.1	19.5	19.		
	4H	18.6	19.0	19.0	19.4	19.8	18.6	19.0	19.0	19.4	19.		
	бН	18.6	18.9	19.0	19.3	19.7	18.5	18.9	19.0	19.3	19.		
	HS	18.5	18.8	18.9	19.2	19.7	18.5	18.8	18.9	19.2	19.		
	12H	18.5	18.7	18.9	19.2	19.6	18.5	18.7	18.9	19.2	19.		
нв	4H	18.5	18.8	18.9	19.2	19.7	18.5	18.8	18.9	19.2	19.		
	6H	18.4	18.7	18.9	19.1	19.6	18.4	18.7	18.9	19.1	19.		
	HS	18.4	18.6	18.8	19.0	19.5	18.4	18.6	18.8	19.0	19.		
	12H	18.3	18.5	18.8	19.0	19.5	18.3	18.5	18.8	19.0	19.		
12H	4H	18.5	18.7	18.9	19.2	19.6	18.5	18.7	18.9	19.2	19.		
	6H	18.4	18.6	18.8	19.0	19.5	18.4	18.6	18.8	19.0	19.		
	HS	18.3	18.5	18.8	19.0	19.5	18.3	18.5	18.8	19.0	19.		
Varia	tions wi	th the ob	serverp	noitien	at spacin	g:							
S =	1.0H		5.	1 / -13	.5	5.1 / -13.5							
	1.5H		7.	9 / -14	.7	7.9 / -14.7							
	2.0H		9.	9 / -15	.9		9.9 / -15.9						