Design iGuzzini

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# Product configuration: MU48

MU48: extractable, adjustable, recessed LED luminaire - DALI control gear included



### **Product code**

MU48: extractable, adjustable, recessed LED luminaire - DALI control gear included

# **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 - spot beam angle. Die-cast aluminium lamp body closure ring. Tempered transparent glass screen. Dimmerable DALI control gear supplied and connected to the luminaire.

#### Inctallation

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

# Weight (Kg)

0.85

## Mounting

ceiling recessed

# Wiring

on control gear box with quick-coupling connections













Dimming mode: Control:







Complies with EN60598-1 and pertinent regulations



ø 136

√/ ø 125

**W ©** 

# Technical data

1648 Im system: W system: 17.9 2140 Im source: W source: 15 Luminous efficiency (Im/W, 92.1 real value): Im in emergency mode: Total light flux at or above an angle of 90° [Lm]: Light Output Ratio (L.O.R.) 77 [%]: Beam angle [°]: 18° CRI (minimum): Colour temperature [K] 3000 MacAdam Step: 2

Life Time LED 1: > 50,000h - L90 - B10 (Ta 25°C) Lamp code: LED Number of lamps for optical 1 assembly: ZVEI Code: LED Number of optical assemblies: Power factor: See installation instructions Inrush current: 18 A / 250 μs Maximum number of luminaires of this type per B10A: 21 luminaires B16A: 34 luminaires miniature circuit breaker: C10A: 35 luminaires C16A: 57 luminaires Minimum dimming %: Overvoltage protection: 2kV Common mode & 1kV Differential mode

CCR

DALI

# Polar

roiai	
Imax=5279 cd CIE	Lux
90°   180°   90°   94-100-100-100-77	h d Em Emax
DIN A.61	2 0.6 1052 1320
0.77A+0.00T F*1=941	4 1.3 263 330
F"1+F"2=995 F"1+F"2+F"3=999	6 1.9 117 147
α=18°	8 2.5 66 82

# MU48\_EN 1 / 2

# **Utilisation factors**

R	77	75	73	71	55	53	33	00	DRR
K0.8	68	63	61	58	63	60	60	57	74
1.0	71	67	65	63	66	64	64	61	79
1.5	75	72	70	68	71	69	69	66	86
2.0	78	76	74	73	75	73	72	70	91
2.5	79	78	76	75	77	75	75	72	94
3.0	80	79	78	77	78	77	76	74	96
4.0	81	80	80	79	79	79	77	75	98
5.0	82	81	81	80	80	79	78	76	99

# Luminance curve limit

QC	Α	G	1.15	2000	1000	500		<=300		
	В		1.50		2000	1000	750	500	<=300	
	С		1.85			2000		1000	500	<=300
85°										
65°										
75° 65° 55°	3	8	103		2	3 4	5 6	8 10		cd/m²

	otou o c	on value:	3 (at 2 14)	o im bare	e iamp ii	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. Room dim		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	
		SACIONA	viewed		viewed							
X	У		eiweeor	e	endwise							
2H	2H	21.3	22.8	21.7	23.1	23.4	21.3	22.8	21.7	23.1	23.	
	ЗН	21.2	22.3	21.6	22.6	22.9	21.2	22.3	21.6	22.6	22.	
	4H	21.1	22.2	21.5	22.5	22.8	21.1	22.2	21.5	22.5	22.	
	бН	21.0	22.1	21.4	22.5	22.8	21.0	22.1	21.4	22.5	22.	
	HS	21.0	22.1	21.4	22.4	22.8	20.9	22.1	21.3	22.4	22.	
	12H	20.9	22.0	21.3	22.4	22.8	20.9	22.0	21.3	22.4	22.	
4H	2H	21.1	22.2	21.5	22.5	22.8	21.1	22.2	21.5	22.5	22.	
	ЗН	20.9	22.0	21.3	22.4	22.8	20.9	22.0	21.3	22.4	22.	
	4H	20.8	21.9	21.2	22.3	22.7	20.8	21.9	21.2	22.3	22.	
	6H	20.6	21.8	21.1	22.3	22.7	20.6	21.8	21.1	22.3	22.	
	HS	20.5	21.8	21.0	22.3	22.8	20.5	21.8	21.0	22.3	22.	
	12H	20.4	21.9	20.9	22.3	22.8	20.4	21.8	20.9	22.3	22.	
вн	4H	20.5	21.8	21.0	22.3	22.7	20.5	21.8	21.0	22.3	22.	
	6H	20.4	21.7	20.9	22.2	22.7	20.4	21.7	20.9	22.2	22.	
	HS	20.4	21.5	20.9	22.0	22.6	20.4	21.5	20.9	22.0	22.	
	12H	20.5	21.3	21.0	21.8	22.3	20.4	21.3	21.0	21.8	22.	
12H	4H	20.4	21.8	20.9	22.3	22.8	20.4	21.9	20.9	22.3	22.	
	бН	20.4	21.5	20.9	22.0	22.5	20.4	21.5	20.9	22.0	22.	
	HS	20.4	21.3	21.0	21.8	22.3	20.5	21.3	21.0	21.8	22.	
Varia	tions wi	th the ob	serverp	noitieo	at spacin	ıg:						
S =	1.0H		3.	8 / -10	2		3.8 / -10.2					
	1.5H		6.	5 / -12	.2		6	5.5 / -12	2			
	1.5H 2.0H		100	5 / -12 5 / -12					3.5 / -12 3.5 / -12			