Design iGuzzini

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Last information update: April 2024

Product configuration: MU72

MU72: extractable, adjustable, recessed LED luminaire - DALI control gear included



Product code

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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.

recessed using steel springs in false ceilings with thicknesses starting at 1 mm; preparation hole Ø 195 mm

Weight (Kg)

1.7

Mounting

ceiling recessed

Wiring on control gear box with quick-coupling connections





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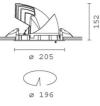












Technical data

Im system:	4341	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
W system:	42.7	Lamp code:	LED
Im source:	5370	Number of lamps for optical	1
W source:	39	assembly:	
Luminous efficiency (Im/W,	101.7	ZVEI Code:	LED
real value):		Number of optical	1
Im in emergency mode:	-	assemblies:	
Total light flux at or above	0	Power factor:	See installation instructions
an angle of 90° [Lm]:		Inrush current:	30 A / 200 μs
Light Output Ratio (L.O.R.)	81	Maximum number of	
[%]:		luminaires of this type per	B10A: 12 luminaires
Beam angle [°]:	18°	miniature circuit breaker:	B16A: 20 luminaires
CRI (minimum):	90		C10A: 20 luminaires
Colour temperature [K]:	3000		C16A: 34 luminaires
MacAdam Step:	2	Minimum dimming %:	1
·		Overvoltage protection:	2kV Common mode & 2kV
			Differential mode
		Control:	DALI

Polar

Imax=19097 cd	CIE	Lux			
90° 180° 90°	nL 0.81 97-99-100-100-81	h	d	Em	Emax
	UGR 18.6-18.6 DIN A.61 UTE	2	0.6	3923	4774
	0.81A+0.00T F"1=965	4	1.3	981	1194
20000	F"1+F"2=995 F"1+F"2+F"3=999	6	1.9	436	530
α=18°		8	2.5	245	298

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	72	68	65	63	67	64	64	61	76
1.0	75	72	69	67	71	68	68	65	81
1.5	79	77	74	73	76	74	73	70	87
2.0	82	80	78	77	79	77	76	74	92
2.5	83	82	81	80	81	80	79	76	95
3.0	84	83	82	82	82	81	80	78	97
4.0	86	85	84	83	83	83	82	80	98
5.0	86	86	85	85	84	84	82	80	99

Luminance curve limit

QC	Α	G	1.15	2000	1000	500		<=300		
	В		1.50		2000	1000	750	500	<=300	
	C		1.85			2000		1000	500	<=300
85°										
65°										
05										
55°								7		
	1	8	10 ³		2	3 4	5 6	8 10		cd/m²

4H	v ol.	0.70 0.50 0.20 19.4 19.3 19.2 19.1 19.1 19.1 19.2	0.70 0.30 0.20 21.1 20.5 20.3 20.2 20.2 20.1	0.50 0.50 0.20 viewed crosswis 19.8 19.7 19.6 19.5 19.5		0.30 0.30 0.20 21.7 21.1 21.0 20.9 20.9	0.70 0.50 0.20 19.4 19.3 19.2 19.1 19.1	0.70 0.30 0.20 21.1 20.5 20.3 20.2 20.1 20.1	0.50 0.50 0.20 viewed endwise 19.8 19.7 19.6 19.5 19.5	0.50 0.30 0.20 21.4 20.8 20.6 20.5 20.5 20.4	0.30 0.30 0.20 21.1 21.0 20.9 20.9
walls work pi Room o x 2H	2H 3H 4H 6H 8H 12H 2H 3H 4H	0.50 0.20 19.4 19.3 19.2 19.1 19.1 19.1	0.30 0.20 21.1 20.5 20.3 20.2 20.2 20.1	0.50 0.20 viewed crosswis 19.8 19.7 19.6 19.5 19.5	0.30 0.20 e 21.4 20.8 20.6 20.5 20.5	21.7 21.1 21.0 20.9 20.9	0.50 0.20 19.4 19.3 19.2 19.1	0.30 0.20 21.1 20.5 20.3 20.2 20.1	0.50 0.20 viewed endwise 19.8 19.7 19.6 19.5 19.5	0.30 0.20 21.4 20.8 20.6 20.5 20.5	21.7 21.0 20.9 20.9
work pl Room o x 2H	2H 3H 4H 6H 8H 12H 2H 3H 4H	19.4 19.3 19.2 19.1 19.1 19.1	21.1 20.5 20.3 20.2 20.2 20.1	0.20 viewed crosswis 19.8 19.7 19.6 19.5 19.5	0.20 e 21.4 20.8 20.6 20.5 20.5	21.7 21.1 21.0 20.9 20.9	19.4 19.3 19.2 19.1 19.1	21.1 20.5 20.3 20.2 20.1	0.20 viewed endwise 19.8 19.7 19.6 19.5 19.5	21.4 20.8 20.6 20.5 20.5	21. 21. 21. 20.
Room o	2H 3H 4H 6H 8H 12H 2H 3H 4H	19.4 19.3 19.2 19.1 19.1 19.1 19.2	21.1 20.5 20.3 20.2 20.2 20.1	19.8 19.7 19.6 19.5 19.5	21.4 20.8 20.6 20.5 20.5	21.7 21.1 21.0 20.9 20.9	19.4 19.3 19.2 19.1 19.1	21.1 20.5 20.3 20.2 20.1	19.8 19.7 19.6 19.5 19.5	21.4 20.8 20.6 20.5 20.5	21. 21. 21. 20. 20.
x 2H 4H	2H 3H 4H 6H 8H 12H 2H 3H 4H	19.3 19.2 19.1 19.1 19.1 19.2 19.0	21.1 20.5 20.3 20.2 20.2 20.1	19.8 19.7 19.6 19.5 19.5 19.5	21.4 20.8 20.6 20.5 20.5 20.5	21.1 21.0 20.9 20.9 20.9	19.3 19.2 19.1 19.1	20.5 20.3 20.2 20.1	19.8 19.7 19.6 19.5 19.5	21.4 20.8 20.6 20.5 20.5	21. 21. 20. 20.
2H 4H	2H 3H 4H 6H 8H 12H 2H 3H 4H	19.3 19.2 19.1 19.1 19.1 19.2 19.0	21.1 20.5 20.3 20.2 20.2 20.1	19.8 19.7 19.6 19.5 19.5 19.5	21.4 20.8 20.6 20.5 20.5 20.5	21.1 21.0 20.9 20.9 20.9	19.3 19.2 19.1 19.1	20.5 20.3 20.2 20.1	19.8 19.7 19.6 19.5 19.5	21.4 20.8 20.6 20.5 20.5	21. 21. 20. 20.
4Н	3H 4H 6H 8H 12H 2H 3H 4H	19.3 19.2 19.1 19.1 19.1 19.2 19.0	20.5 20.3 20.2 20.2 20.1	19.7 19.6 19.5 19.5 19.5	20.8 20.6 20.5 20.5 20.5	21.1 21.0 20.9 20.9 20.9	19.3 19.2 19.1 19.1	20.5 20.3 20.2 20.1	19.7 19.6 19.5 19.5	20.8 20.6 20.5 20.5	21. 21. 20. 20.
4H	4H 6H 8H 12H 2H 3H 4H	19.2 19.1 19.1 19.1 19.2 19.0	20.3 20.2 20.2 20.1	19.6 19.5 19.5 19.5	20.6 20.5 20.5 20.5	21.0 20.9 20.9 20.9	19.2 19.1 19.1	20.3 20.2 20.1	19.6 19.5 19.5	20.6 20.5 20.5	21. 20. 20.
4H	6H 8H 12H 2H 3H 4H	19.1 19.1 19.1 19.2 19.0	20.2 20.2 20.1 20.3	19.5 19.5 19.5	20.5 20.5 20.5	20.9 20.9 20.9	19.1 19.1	20.2 20.1	19.5 19.5	20.5 20.5	20. 20.
4H	8H 12H 2H 3H 4H	19.1 19.1 19.2 19.0	20.2 20.1 20.3	19.5 19.5 19.6	20.5 20.5	20.9 20.9	19.1	20.1	19.5	20.5	20.
4H	12H 2H 3H 4H	19.1 19.2 19.0	20.1	19.5 19.6	20.5	20.9					
4H	2H 3H 4H	19.2 19.0	20.3	19.6	930000	10000	19.0	20.1	19.4	20.4	20.
	3H 4H	19.0			20.6						877.5
	4H	(23,275)	20.1		20.0	21.0	19.2	20.3	19.6	20.6	21.
		19.0		19.5	20.5	8.02	19.1	20.1	19.5	20.5	20.
	6H	10.9	20.0	19.4	20.4	20.8	18.9	20.0	19.4	20.4	20.
	OH	18.7	20.1	19.2	20.5	20.9	18.7	20.0	19.2	20.5	20.
	HS	18.6	20.1	19.1	20.6	21.0	18.6	20.1	19.1	20.5	21.
вн	12H	18.5	20.1	19.0	20.6	21.1	18.5	20.1	19.0	20.6	21.
	4H	18.6	20.1	19.1	20.5	21.0	18.6	20.1	19.1	20.6	21.
	6H	18.5	20.0	19.0	20.4	20.9	18.5	20.0	19.0	20.4	21.
	HS	18.5	19.8	19.1	20.3	20.8	18.5	19.8	19.1	20.3	20.
	12H	18.7	19.5	19.2	20.0	20.6	18.6	19.5	19.1	20.0	20.
12H	4H	18.5	20.1	19.0	20.6	21.1	18.5	20.1	19.0	20.6	21.
	бН	18.5	19.7	19.0	20.2	20.8	18.6	19.8	19.1	20.3	20.
	H8	18.6	19.5	19.1	20.0	20.5	18.7	19.5	19.2	20.0	20.
Variatio	ions wi	th the ob	oserverp	noitieo	at spacin	g:					
S =	1.0H		4	.5 / -7	.5			4	1.5 / -7.5	5	
	1.5H		7	.3 / -9	.4			7	.3 / -9.	4	