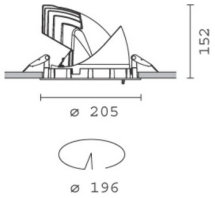
Pixel Plus

Design iGuzzini **iGuzzini**

Last information update: June 2018



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

Product code
MU73

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 - flood 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 195 mm

Dimension (mm)
Ø205x152

Colour
White (01)

Weight (Kg)
1.7

Mounting
ceiling recessed

Wiring
on control gear box with quick-coupling connections

Complies with EN60598-1 and pertinent regulations

IP20 IP23 On the visible part of the product once installed

Product configuration: MU73

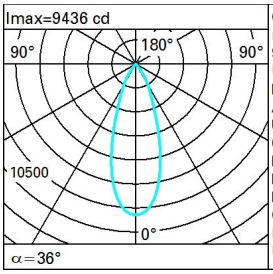
Product characteristics

Total lighting output [Lm]: 4096	Total luminous flux at or above an angle of 90° [Lm]: 0
Total power [W]: 48.6	Emergency luminous flux [Lm]: /
Luminous efficacy [Lm/W]: 84.3	Voltage [V]: -
Life Time: 50,000h - L80 - B10 (Ta 25°C)	Number of optical assemblies: 1

Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 82	Number of lamps for optical assembly: 1
Lamp code: LED	Socket: /
ZVEI Code: LED	Ballast losses [W]: 9.6
Nominal power [W]: 39	Colour temperature [K]: 3000
Nominal luminous [Lm]: 5000	CRI: 90
Lamp maximum intensity [cd]: /	Wavelength [Nm]: /
Beam angle [°]: 36°	MacAdam Step: 2

Polar



CIE
nL 0.82
99-100-100-100-82
UGR 16.3-16.3
DIN
A.61
UTE
0.82A+0.00T
F"1=985
F"1+F"2=997
F"1+F"2+F"3=1000
CIBSE
LG3 L<3000 cd/m² at 65°
UGR<19 | L<3000 cd/mq @65°

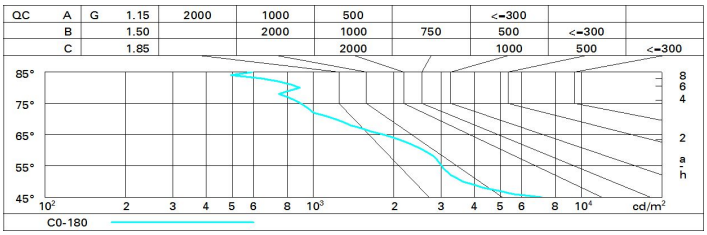
Lux

h	d	Em	Emax
2	1.3	1837	2359
4	2.6	459	590
6	3.9	204	262
8	5.2	115	147

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	74	70	67	65	69	66	66	63	77
1.0	77	73	71	69	72	70	70	67	82
1.5	81	78	76	74	77	75	75	72	88
2.0	83	81	80	78	80	79	78	76	92
2.5	85	83	82	81	82	81	80	78	95
3.0	86	85	84	83	84	83	82	80	97
4.0	87	86	86	85	85	84	83	81	99
5.0	87	87	86	86	86	85	84	82	100

Luminance curve limit



UGR diagram

Corrected UGR values (at 5000 lm bare lamp luminous flux)

Riflect.: 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 crosswise					viewed endwise		
x	y										
2H	2H	16.9	17.5	17.1	17.7	17.9	16.9	17.5	17.1	17.7	17.9
	3H	16.7	17.3	17.0	17.6	17.8	16.7	17.3	17.0	17.5	17.8
	4H	16.7	17.2	17.0	17.5	17.8	16.7	17.2	17.0	17.5	17.8
	6H	16.6	17.1	16.9	17.4	17.7	16.6	17.1	16.9	17.4	17.7
	8H	16.6	17.0	16.9	17.3	17.7	16.5	17.0	16.9	17.3	17.7
	12H	16.5	17.0	16.9	17.3	17.6	16.5	16.9	16.9	17.3	17.6
4H	2H	16.7	17.2	17.0	17.5	17.8	16.7	17.2	17.0	17.5	17.8
	3H	16.5	17.0	16.9	17.3	17.6	16.5	17.0	16.9	17.3	17.6
	4H	16.4	16.8	16.8	17.2	17.6	16.4	16.8	16.8	17.2	17.6
	6H	16.4	16.7	16.8	17.1	17.5	16.4	16.7	16.8	17.1	17.5
	8H	16.3	16.6	16.8	17.0	17.5	16.3	16.6	16.7	17.0	17.5
	12H	16.3	16.5	16.7	17.0	17.4	16.3	16.5	16.7	17.0	17.4
8H	4H	16.3	16.6	16.7	17.0	17.5	16.3	16.6	16.8	17.0	17.5
	6H	16.2	16.5	16.7	16.9	17.4	16.2	16.5	16.7	16.9	17.4
	8H	16.2	16.4	16.7	16.9	17.4	16.2	16.4	16.7	16.9	17.4
	12H	16.1	16.3	16.6	16.8	17.3	16.1	16.3	16.6	16.8	17.3
12H	4H	16.3	16.5	16.7	17.0	17.4	16.3	16.5	16.7	17.0	17.4
	6H	16.2	16.4	16.7	16.9	17.4	16.2	16.4	16.7	16.9	17.4
	8H	16.1	16.3	16.6	16.8	17.3	16.1	16.3	16.6	16.8	17.3

Variations with the observer position at spacing:

S =			
	1.0H	5.7 / -12.0	5.7 / -12.0
	1.5H	8.5 / -13.0	8.5 / -13.0
	2.0H	10.5 / -14.4	10.5 / -14.4