Pixel Plus

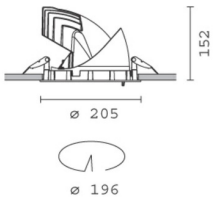
Design iGuzzini **iGuzzini**

Last information update: June 2018

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

Product code
MU71

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 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 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: MU71

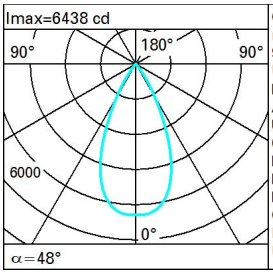
Product characteristics

Total lighting output [Lm]: 3945	Total luminous flux at or above an angle of 90° [Lm]: 0
Total power [W]: 40.3	Emergency luminous flux [Lm]: /
Luminous efficacy [Lm/W]: 97.9	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.) [%]: 79	Number of lamps for optical assembly: 1
Lamp code: LED	Socket: /
ZVEI Code: LED	Ballast losses [W]: 8.3
Nominal power [W]: 32	Colour temperature [K]: 3000
Nominal luminous [Lm]: 5000	CRI: 80
Lamp maximum intensity [cd]: /	Wavelength [Nm]: /
Beam angle [°]: 48°	MacAdam Step: 2

Polar



CIE
nL 0.79
99-100-100-100-79
UGR 15.6-15.6
DIN
A.61
UTE
0.79A+0.00T
F"1=988
F"1+F"2=997
F"1+F"2+F"3=1000
CIBSE
LG3 L<3000 cd/m² at 65°
UGR<16 I L<3000 cd/mq @65°

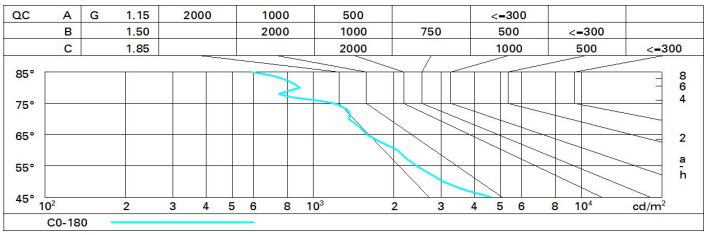
Lux

h	d	Em	Emax
2	1.8	1273	1610
4	3.6	318	402
6	5.3	141	179
8	7.1	80	101

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	71	67	65	63	67	64	64	61	78
1.0	74	71	68	67	70	68	67	65	82
1.5	78	75	73	72	74	73	72	70	88
2.0	80	78	77	76	77	76	75	73	93
2.5	82	80	79	78	79	78	77	75	95
3.0	83	82	81	80	81	80	79	77	97
4.0	84	83	83	82	82	81	80	78	99
5.0	84	84	83	83	82	82	81	79	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	16.1	16.7	16.4	16.9	17.1	16.1	16.7	16.4	16.9	17.1
	3H	16.0	16.5	16.3	16.8	17.0	16.0	16.5	16.3	16.7	17.0
	4H	15.9	16.4	16.3	16.7	17.0	15.9	16.4	16.2	16.7	17.0
	6H	15.8	16.3	16.2	16.6	16.9	15.8	16.3	16.2	16.6	16.9
	8H	15.8	16.2	16.2	16.6	16.9	15.8	16.2	16.2	16.5	16.9
	12H	15.8	16.2	16.1	16.5	16.9	15.8	16.2	16.1	16.5	16.8
4H	2H	15.9	16.4	16.2	16.7	17.0	15.9	16.4	16.3	16.7	17.0
	3H	15.8	16.2	16.2	16.5	16.9	15.8	16.2	16.2	16.5	16.9
	4H	15.7	16.1	16.1	16.4	16.8	15.7	16.1	16.1	16.4	16.8
	6H	15.6	15.9	16.0	16.3	16.7	15.6	15.9	16.0	16.3	16.7
	8H	15.6	15.9	16.0	16.3	16.7	15.6	15.9	16.0	16.3	16.7
	12H	15.5	15.8	16.0	16.2	16.7	15.5	15.8	16.0	16.2	16.7
8H	4H	15.6	15.9	16.0	16.3	16.7	15.6	15.9	16.0	16.3	16.7
	6H	15.5	15.7	16.0	16.2	16.6	15.5	15.7	16.0	16.2	16.6
	8H	15.4	15.6	15.9	16.1	16.6	15.4	15.6	15.9	16.1	16.6
	12H	15.4	15.6	15.9	16.0	16.6	15.4	15.6	15.9	16.0	16.6
12H	4H	15.5	15.8	16.0	16.2	16.7	15.5	15.8	16.0	16.2	16.7
	6H	15.4	15.6	15.9	16.1	16.6	15.4	15.6	15.9	16.1	16.6
	8H	15.4	15.6	15.9	16.0	16.6	15.4	15.6	15.9	16.0	16.6

Variations with the observer position at spacing:

S =			
	1.0H	6.1 / -11.5	6.1 / -11.5
	1.5H	8.9 / -12.3	8.9 / -12.3
	2.0H	10.9 / -13.0	10.9 / -13.0