Pixel Plus

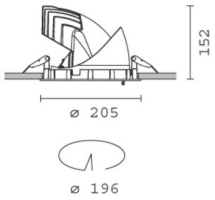
Design iGuzzini **iGuzzini**

Last information update: May 2024

Product configuration: MU67
MU67: extractable, adjustable, recessed LED luminaire - electronic control gear included

Product code
MU67: extractable, adjustable, recessed LED luminaire - electronic control gear included **Attention! Code no longer in production**

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. Electronic 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

Colour
White (01)

Weight (Kg)
1.7

Mounting
ceiling recessed

Wiring
on control gear box with quick-coupling connections

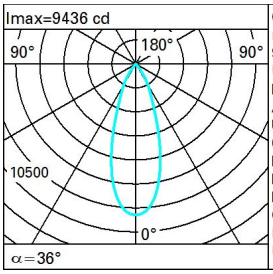
Complies with EN60598-1 and pertinent regulations

IP20 IP23 On the visible part of the product once installed

Technical data

lm system:	4096	CRI:	90
W system:	42.9	Colour temperature [K]:	3000
lm source:	5000	MacAdam Step:	2
W source:	39	Life Time LED 1:	50,000h - L80 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	95.5	Lamp code:	LED
lm in emergency mode:	-	Number of lamps for optical assembly:	1
Total light flux at or above an angle of 90° [Lm]:	0	ZVEI Code:	LED
Light Output Ratio (L.O.R.) [%]:	82	Number of optical assemblies:	1
Beam angle [°]:	36°		

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 I L<3000 cd/mq @65°

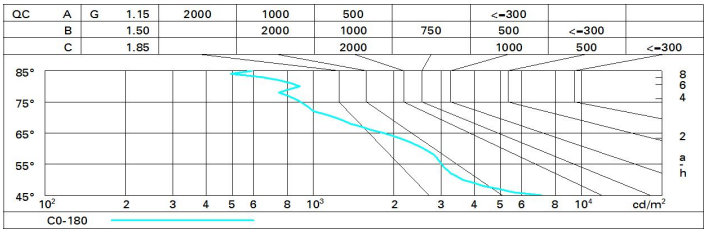
Lux

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