Pixel Plus

Design iGuzzini	iGuzzini

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

Product code
MU66

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. 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

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

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Product configuration: MU66

Product characteristics

Total lighting output [Lm]: 4042	Total luminous flux at or above an angle of 90° [Lm]: 0
Total power [W]: 42.9	Emergency luminous flux [Lm]: /
Luminous efficacy [Lm/W]: 94.2	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.) [%]: 81	Number of lamps for optical assembly: 1
Lamp code: LED	Socket: /
ZVEI Code: LED	Ballast losses [W]: 3.9
Nominal power [W]: 39	Colour temperature [K]: 3000
Nominal luminous [Lm]: 5000	CRI: 90
Lamp maximum intensity [cd]: /	Wavelength [Nm]: /
Beam angle [°]: 18°	MacAdam Step: 2

Polar

Imax=17782 cd
90° 180° 90°
20000
0°
α = 18°

CIE
nL 0.81
97-99-100-100-81
UGR 18.4-18.4
DIN
A.61
UTE
0.81A+0.00T
F"1=965
F"1+F"2=995
F"1+F"2+F"3=999

Lux			
h	d	Em	Emax
2	0.6	3652	4445
4	1.3	913	1111
6	1.9	406	494
8	2.5	228	278

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									
A	G	1.15	2000	1000	500		<=300		
B		1.50		2000	1000	750	500	<=300	
C		1.85			2000		1000	500	<=300

C0-180
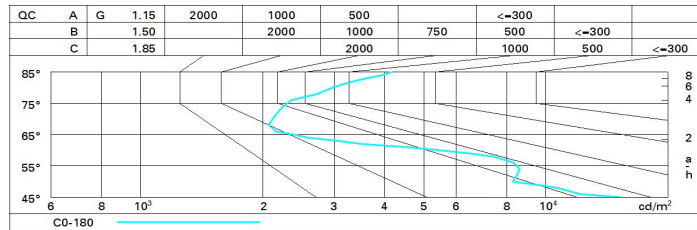
UGR diagram

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 x	y		viewed crosswise					viewed endwise			
2H	2H	19.2	20.9	19.5	21.2	21.5	19.2	20.9	19.5	21.2	21.5
	3H	19.1	20.3	19.4	20.6	20.9	19.1	20.3	19.4	20.6	20.9
	4H	19.0	20.1	19.4	20.4	20.7	19.0	20.1	19.4	20.4	20.7
	6H	18.9	20.0	19.3	20.3	20.6	18.9	19.9	19.3	20.3	20.6
	8H	18.9	19.9	19.3	20.3	20.6	18.8	19.9	19.2	20.2	20.6
	12H	18.8	19.9	19.2	20.2	20.6	18.8	19.8	19.2	20.2	20.6
4H	2H	19.0	20.1	19.4	20.4	20.7	19.0	20.1	19.4	20.4	20.7
	3H	18.8	19.9	19.2	20.2	20.6	18.8	19.9	19.2	20.2	20.6
	4H	18.7	19.7	19.1	20.1	20.5	18.7	19.7	19.1	20.1	20.5
	6H	18.5	19.8	19.0	20.2	20.7	18.5	19.8	18.9	20.2	20.7
	8H	18.4	19.9	18.9	20.3	20.8	18.4	19.8	18.8	20.3	20.7
	12H	18.3	19.9	18.8	20.4	20.9	18.2	19.8	18.7	20.3	20.8
8H	4H	18.4	19.8	18.8	20.3	20.7	18.4	19.9	18.9	20.3	20.8
	6H	18.3	19.7	18.8	20.2	20.7	18.3	19.7	18.8	20.2	20.7
	8H	18.3	19.5	18.8	20.0	20.5	18.3	19.5	18.8	20.0	20.5
	12H	18.4	19.3	18.9	19.8	20.3	18.4	19.3	18.9	19.8	20.3
12H	4H	18.2	19.8	18.7	20.3	20.8	18.3	19.9	18.8	20.4	20.9
	6H	18.3	19.5	18.8	20.0	20.5	18.3	19.5	18.8	20.0	20.6
	8H	18.4	19.3	18.9	19.8	20.3	18.4	19.3	18.9	19.8	20.3

Variations with the observer position at spacing:

S =			
1.0H	4.5 / -7.5	4.5 / -7.5
1.5H	7.3 / -9.4	7.3 / -9.4
2.0H	9.3 / -10.0	9.3 / -10.0