Pixel Plus

Last information update: July 2025

Product configuration: MU70
MU70: extractable, adjustable, recessed LED luminaire - DALI control gear included

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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 - 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

Colour	Weight (Kg)
White (01)	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 CE UKCA ⟨⟨03 S EAC QCERT NOM

Technical data

lm system:	4268	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
W system:	35.6	Lamp code:	LED
lm source:	5210	Number of lamps for optical assembly:	1
W source:	32		
Luminous efficiency (lm/W, real value):	119.9	ZVEI Code:	LED
		Number of optical assemblies:	1
lm in emergency mode:	-		
Total light flux at or above an angle of 90° [Lm]:	0	Power factor:	See installation instructions
		Inrush current:	30 A / 200 μs
Light Output Ratio (L.O.R.) [%]:	82	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 12 luminaires
Beam angle [°]:	36°		B16A: 20 luminaires
CRI (minimum):	80		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-2

Polar

	CIE	Lux			
Imax=9832 cd	nL 0.82		h	d	Em	Emax
90° 180° 90°	99-100-100-100-82					
	UGR 16.5-16.5					
	DIN		2	1.3	1914	2458
	A.61					
	UTE					
	0.82A+0.00T		4	2.6	478	614
	F"1=985					
10500	F"1+F"2=997					
	F"1+F"2+F"3=1000		6	3.9	213	273
	CIBSE					
0°	LG3 L<3000 cd/m² at 65°		8	5.2	120	154
α=36°	UGR<19 I L<3000 cd/mq @65°					

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

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
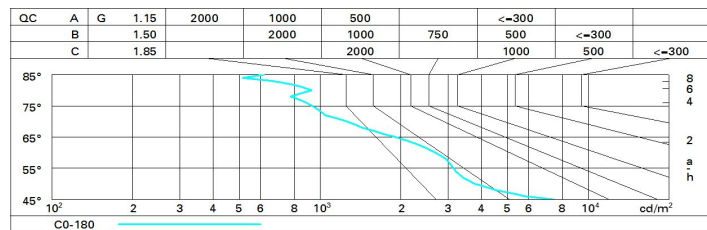
UGR diagram

Corrected UGR values (at 5210 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					viewed		
x	y			crosswise					endwise		
2H	2H	17.0	17.6	17.3	17.8	18.1	17.0	17.6	17.3	17.8	18.1
	3H	16.9	17.4	17.2	17.7	18.0	16.9	17.4	17.2	17.7	18.0
	4H	16.8	17.3	17.1	17.6	17.9	16.8	17.3	17.1	17.6	17.9
	6H	16.7	17.2	17.1	17.5	17.8	16.7	17.2	17.1	17.5	17.8
	8H	16.7	17.2	17.1	17.5	17.8	16.7	17.1	17.1	17.5	17.8
	12H	16.7	17.1	17.0	17.4	17.8	16.7	17.1	17.0	17.4	17.8
4H	2H	16.8	17.3	17.1	17.6	17.9	16.8	17.3	17.1	17.6	17.9
	3H	16.7	17.1	17.0	17.4	17.8	16.7	17.1	17.0	17.4	17.8
	4H	16.6	17.0	17.0	17.3	17.7	16.6	17.0	17.0	17.3	17.7
	6H	16.5	16.8	16.9	17.2	17.6	16.5	16.8	16.9	17.2	17.6
	8H	16.5	16.8	16.9	17.2	17.6	16.5	16.8	16.9	17.2	17.6
	12H	16.4	16.7	16.9	17.1	17.6	16.4	16.7	16.9	17.1	17.6
8H	4H	16.5	16.8	16.9	17.2	17.6	16.5	16.8	16.9	17.2	17.6
	6H	16.4	16.6	16.8	17.1	17.5	16.4	16.6	16.8	17.1	17.5
	8H	16.3	16.5	16.8	17.0	17.5	16.3	16.5	16.8	17.0	17.5
	12H	16.3	16.5	16.8	16.9	17.5	16.3	16.5	16.8	16.9	17.5
12H	4H	16.4	16.7	16.9	17.1	17.6	16.4	16.7	16.9	17.1	17.6
	6H	16.3	16.5	16.8	17.0	17.5	16.3	16.5	16.8	17.0	17.5
	8H	16.3	16.5	16.8	16.9	17.5	16.3	16.5	16.8	16.9	17.5

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