

Pixel Pro

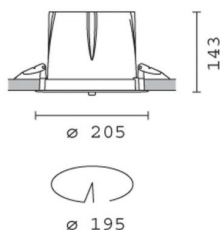
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Last information update: May 2024

Product configuration: MP13

MP13: recessed luminaire Ø 205 - warm white passive dissipation LED - integrated DALI control gear - medium



Product code

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Technical description

recessed adjustable removable luminaire for LED lamp with passive heat dissipation system. Structure with die-cast aluminium frame and main body; shaped surface with high level radiant effect for effectively reducing the temperature and keeping the long-term LED lamp performance unchanged. Steel rotation hinge, chrome-plated aluminium body closing ring. Reflector with high efficiency super-pure aluminium optic - medium beam angle. Body adjusted using manually operated device: internal 30° - external 75° - rotation about axis 355°. Supplied with DALI dimmable control gear connected to the luminaire. Warm white high colour rendering index LED CRI (Ra) > 90.

Installation

recessed using steel springs in false ceilings with thicknesses starting at 1 mm; preparation hole Ø 195

Colour

White / Aluminium (39) | Grey/Aluminium (78)

Weight (Kg)

2.22

Mounting

ceiling recessed

Wiring

on control gear box with quick-coupling connections

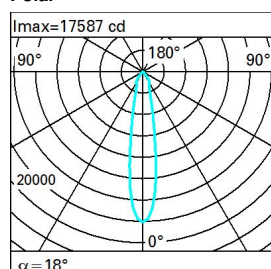
Complies with EN60598-1 and pertinent regulations



Technical data

Im system:	4042	CRI:	90
W system:	48.6	Colour temperature [K]:	3000
Im 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):	83.2	Lamp code:	LED
Im 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.) [%]:	81	Number of optical assemblies:	1
Beam angle [°]:	18°	Control:	DALI

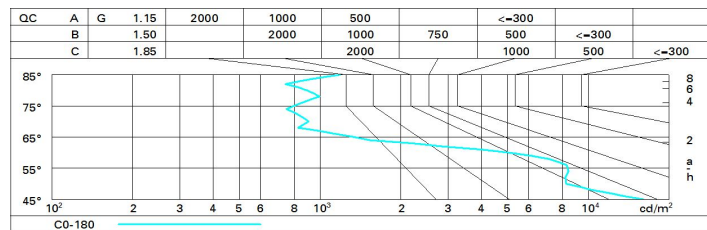
Polar

	CIE				Lux			
	nL 0.81				h			
	97-100-100-100-81				d			
	UGR 18.4-18.4				Em			
	DIN				Emax			
	A.61				2			
	UTE				0.6			
	0.81A+0.00T				3581			
	F*1=968				4397			
	F*1+F*2=997				1099			
F*1+F*2+F*3=1000				6				
CIBSE				1.9				
LG3 L<1500 cd/m² at 65°				398				
UGR<19 L<1500 cd/mq @65°				489				
α = 18°				7				
				2.5				
				224				
				275				

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	72	68	65	63	67	65	64	62	76
1.0	75	72	69	67	71	68	68	65	81
1.5	79	77	75	73	76	74	73	71	87
2.0	82	80	78	77	79	77	77	74	92
2.5	84	82	81	80	81	80	79	77	95
3.0	85	84	83	82	82	81	80	78	97
4.0	86	85	84	84	83	83	82	80	99
5.0	86	86	85	85	84	84	82	80	100

Luminance curve limit



UGR diagram

Corrected UGR values (at 5000 lm bare lamp luminous flux)											
Reflect.: ceil/cav walls work pl. Room dim x y		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30
		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
		viewed crosswise					viewed endwise				
2H	2H	19.2	20.9	19.6	21.2	21.5	19.2	20.9	19.6	21.2	21.5
	3H	19.1	20.3	19.4	20.6	20.9	19.1	20.3	19.5	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	20.7	18.9	20.0	19.3	20.3	20.7
	8H	18.9	19.9	19.3	20.3	20.6	18.9	19.9	19.3	20.3	20.6
	12H	18.8	19.9	19.2	20.2	20.6	18.8	19.9	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	18.9	20.2	20.7	18.5	19.8	18.9	20.2	20.7
	8H	18.4	19.8	18.8	20.3	20.7	18.4	19.8	18.8	20.3	20.7
	12H	18.2	19.8	18.7	20.3	20.8	18.2	19.8	18.7	20.3	20.8
8H	4H	18.4	19.8	18.8	20.3	20.7	18.4	19.8	18.8	20.3	20.7
	6H	18.2	19.7	18.7	20.1	20.6	18.2	19.7	18.7	20.1	20.7
	8H	18.2	19.4	18.7	19.9	20.5	18.2	19.4	18.7	19.9	20.5
	12H	18.3	19.2	18.8	19.7	20.2	18.3	19.2	18.8	19.7	20.2
12H	4H	18.2	19.8	18.7	20.3	20.8	18.2	19.8	18.7	20.3	20.8
	6H	18.2	19.4	18.7	19.9	20.5	18.2	19.4	18.7	19.9	20.5
	8H	18.3	19.2	18.8	19.7	20.2	18.3	19.2	18.8	19.7	20.2
Variations with the observer position at spacing:											
S =	1.0H	4.8 / -9.6					4.8 / -9.6				
	1.5H	7.5 / -15.2					7.5 / -15.2				
	2.0H	9.5 / -17.7					9.5 / -17.7				