

## Pixel Pro

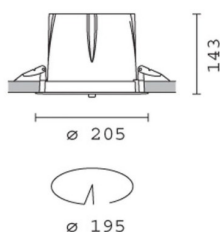
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### Product configuration: ME31

ME31: recessed luminaire Ø 205 - warm white passive dissipation integrated electronic control gear - flood



### Product code

ME31: recessed luminaire Ø 205 - warm white passive dissipation integrated electronic control gear - flood **Attention! Code no longer in production**

### 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 - flood beam angle. Body adjusted using manually operated device: internal 30° - external 75° - rotation about axis 355°. Supplied with electronic control gear connected to the luminaire. Warm white high efficiency LED

### Installation

recessed using special 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

lm system:	4096	CRI:	80
W system:	36.8	Colour temperature [K]:	3000
lm source:	5000	MacAdam Step:	2
W source:	32	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	111.3	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°		

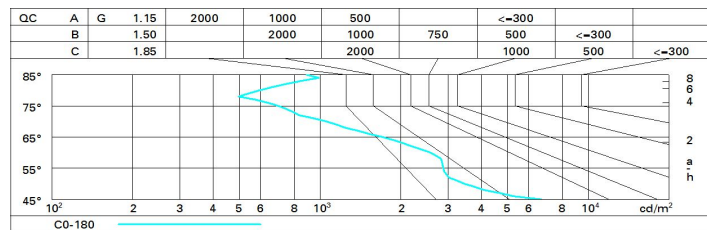
### Polar

 $\alpha = 36^\circ$	CIE			
	nL 0.82			
	99-100-100-100-82			
	UGR 16.4-16.4			
	DIN A 61			
	UTE			
	0.82A+0.00T			
	F*1=986			
	F*1+F*2=998			
	F*1+F*2+F*3=1000			
	CIBSE			
	LG3 L<3000 cd/m² at 65°			
	UGR<19   L<3000 cd/mq @ 65°			
	Lux			
	h	d	Em	Emax
	2	1.3	1838	2365
	4	2.6	459	591
	6	3.9	204	263
	8	5.2	115	148

# 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	73	70	70	67	82
1.5	81	78	76	74	77	75	75	72	88
2.0	83	81	80	79	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)											
Reflect.: ceiling/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	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	17.1	17.0	17.5	17.8	16.7	17.1	17.0	17.5	17.8
	12H	16.6	17.1	17.0	17.4	17.8	16.6	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	16.6	17.1	17.0	17.4	17.8	16.6	17.1	17.0	17.4	17.8
	4H	16.6	16.9	17.0	17.3	17.7	16.6	16.9	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	16.4	16.7	16.9	17.1	17.6	16.4	16.7	16.9	17.1	17.6
	12H	16.4	16.7	16.8	17.1	17.5	16.4	16.7	16.8	17.1	17.5
8H	4H	16.4	16.7	16.9	17.1	17.6	16.4	16.7	16.9	17.1	17.6
	6H	16.3	16.6	16.8	17.0	17.5	16.3	16.6	16.8	17.0	17.5
	8H	16.3	16.5	16.8	17.0	17.5	16.3	16.5	16.8	17.0	17.5
	12H	16.2	16.4	16.7	16.9	17.4	16.2	16.4	16.7	16.9	17.4
12H	4H	16.4	16.7	16.8	17.1	17.5	16.4	16.7	16.8	17.1	17.5
	6H	16.3	16.5	16.8	17.0	17.5	16.3	16.5	16.8	17.0	17.5
	8H	16.2	16.4	16.7	16.9	17.4	16.2	16.4	16.7	16.9	17.4
Variations with the observer position at spacing:											
S =	1.0H	5.8 / -12.5					5.8 / -12.5				
	1.5H	8.6 / -13.5					8.6 / -13.5				
	2.0H	10.6 / -15.2					10.6 / -15.2				