Pixel Pro

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Last information update: April 2024

Product configuration: ME30
ME30: recessed luminaire Ø 205 - warm white passive dissipation integrated electronic control gear - medium

Product code
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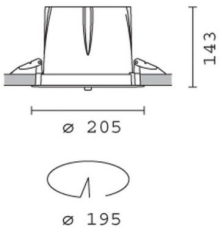
Technical description
recessed adjustable removable luminaire for LED lamp with passive heat dissipation system. Structure with die-cast aluminium frame and main body; shaped surface with high level radiant effect for effectively reducing the temperature and keeping the long-term LED lamp performance 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 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

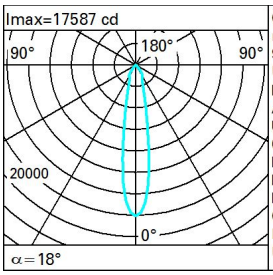
Complies with EN60598-1 and pertinent regulations

IP20

Technical data

lm system:	4042	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):	109.8	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.) [%]:	81	Number of optical assemblies:	1
Beam angle [°]:	18°		

Polar



CIE
nL 0.81
97-100-100-100-81
UGR 18.4-18.4
DIN
A.61
UTE
0.81A+0.00T
F"1=968
F"1+F"2=997
F"1+F"2+F"3=1000
CIBSE
LG3 L<1500 cd/m² at 65°
UGR<19 I L<1500 cd/mq @65°

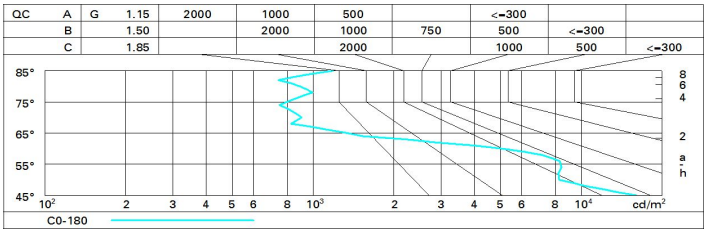
Lux

h	d	Em	Emax
2	0.6	3581	4397
4	1.3	895	1099
6	1.9	398	489
8	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)

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	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