Pixel Pro

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Product configuration: Q198
Q198: recessed luminaire Ø 137 - warm white passive dissipation LED - integrated DALI control gear - wide flood

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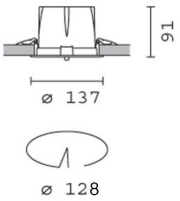
Technical description
recessed adjustable removable luminaire for LED lamp with passive heat dissipation system. Structure with die-cast aluminium frame and main body; shaped surface with high level radiant effect for effectively reducing the temperature and keeping the long-term LED lamp performance unchanged. Steel rotation hinge, chrome-plated aluminium body closing ring. Reflector with high efficiency super-pure aluminium optic - wide flood 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 125



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

Weight (Kg)
1.02

Mounting
ceiling recessed

Wiring
on control gear box with quick-coupling connections

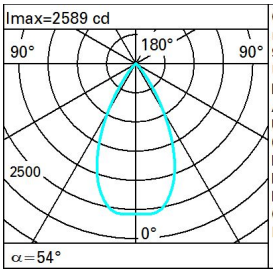
Complies with EN60598-1 and pertinent regulations

IP20

Technical data

lm system:	1948	CRI:	90
W system:	23.8	Colour temperature [K]:	3000
lm source:	2500	MacAdam Step:	2
W source:	21	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	81.9	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.) [%]:	78	Number of optical assemblies:	1
Beam angle [°]:	54°	Control:	DALI

Polar



CIE
nL 0.78
97-100-100-100-78
UGR 19.3-19.3
DIN
A.61
UTE
0.78A+0.00T
F"1=965
F"1+F"2=997
F"1+F"2+F"3=1000
CIBSE
LG3 L<3000 cd/m² at 65°

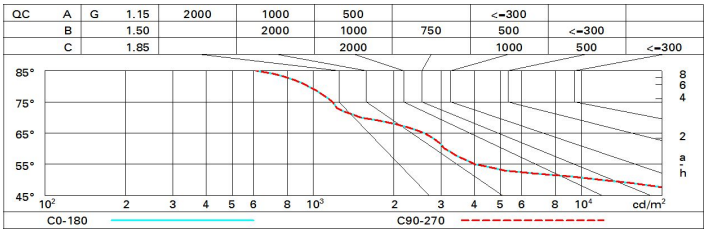
Lux

h	d	Em	Emax
2	2	500	644
4	4.1	125	161
6	6.1	56	72
8	8.2	31	40

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	69	65	63	60	65	62	62	59	76
1.0	72	69	66	65	68	66	66	63	81
1.5	76	74	72	70	73	71	70	68	87
2.0	79	77	75	74	76	75	74	71	92
2.5	80	79	78	77	78	77	76	74	95
3.0	81	80	80	79	79	78	77	75	97
4.0	83	82	81	81	80	80	79	77	98
5.0	83	82	82	82	81	81	79	78	99

Luminance curve limit



UGR diagram

Corrected UGR values (at 2500 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	19.8	20.5	20.1	20.7	20.9	19.8	20.5	20.1	20.7	20.9
	3H	19.7	20.3	20.0	20.5	20.8	19.7	20.3	20.0	20.5	20.8
	4H	19.6	20.2	20.0	20.5	20.8	19.6	20.2	20.0	20.5	20.8
	6H	19.6	20.0	19.9	20.4	20.7	19.6	20.0	19.9	20.4	20.7
	8H	19.5	20.0	19.9	20.3	20.7	19.5	20.0	19.9	20.3	20.7
	12H	19.5	19.9	19.9	20.3	20.6	19.5	19.9	19.9	20.3	20.6
4H	2H	19.6	20.2	20.0	20.5	20.8	19.6	20.2	20.0	20.5	20.8
	3H	19.5	19.9	19.9	20.3	20.6	19.5	19.9	19.9	20.3	20.6
	4H	19.4	19.8	19.8	20.2	20.6	19.4	19.8	19.8	20.2	20.6
	6H	19.3	19.7	19.8	20.1	20.5	19.3	19.7	19.7	20.1	20.5
	8H	19.3	19.6	19.7	20.0	20.4	19.3	19.6	19.7	20.0	20.4
	12H	19.2	19.5	19.7	19.9	20.4	19.2	19.5	19.7	19.9	20.4
8H	4H	19.3	19.6	19.7	20.0	20.4	19.3	19.6	19.7	20.0	20.4
	6H	19.2	19.4	19.7	19.9	20.4	19.2	19.4	19.7	19.9	20.4
	8H	19.1	19.4	19.6	19.8	20.3	19.1	19.4	19.6	19.8	20.3
	12H	19.1	19.3	19.6	19.8	20.3	19.1	19.3	19.6	19.8	20.3
12H	4H	19.2	19.5	19.7	19.9	20.4	19.2	19.5	19.7	19.9	20.4
	6H	19.1	19.4	19.6	19.8	20.3	19.1	19.4	19.6	19.8	20.3
	8H	19.1	19.3	19.6	19.8	20.3	19.1	19.3	19.6	19.8	20.3

Variations with the observer position at spacing:

S =	1.0H	5.1 / -13.5	5.1 / -13.5
	1.5H	7.9 / -14.7	7.9 / -14.7
	2.0H	9.9 / -15.9	9.9 / -15.9