

## Pixel Pro

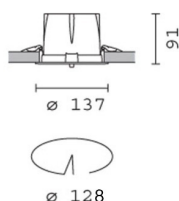
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### Product configuration: Q197

Q197: recessed luminaire Ø 137 - warm white passive dissipation LED - integrated DALI control gear - flood



### Product code

Q197: recessed luminaire Ø 137 - warm white passive dissipation LED - integrated DALI 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 - 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



### Technical data

Im system:	1973	CRI:	90
W system:	23.8	Colour temperature [K]:	3000
Im 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):	82.9	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.) [%]:	79	Number of optical assemblies:	1
Beam angle [°]:	42°	Control:	DALI

### Polar

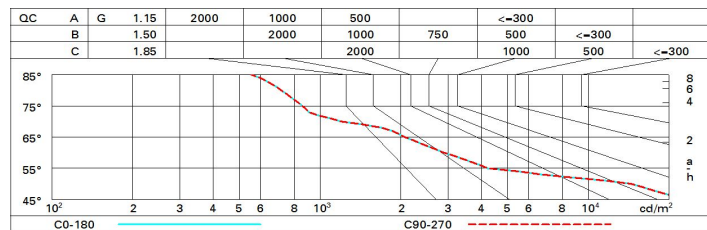
Imax=3393 cd		Lux			
90°	180°	h	d	Em	Emax
		2	1.5	658	848
		4	3.1	164	212
		6	4.6	73	94
		8	6.1	41	53
α = 42°					

**CIE**  
nL 0.79  
97-100-100-100-79  
UGR 19.6-19.6  
**DIN**  
A.61  
**UTE**  
0.79A+0.00T  
F\*1=968  
F\*1+F\*2=998  
F\*1+F\*2+F\*3=1000  
**CIBSE**  
LG3 L<3000 cd/m² at 65°

# Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	70	66	64	61	66	63	63	60	76
1.0	73	70	67	66	69	67	67	64	81
1.5	77	75	73	71	74	72	71	69	87
2.0	80	78	77	75	77	76	75	72	92
2.5	82	80	79	78	79	78	77	75	95
3.0	83	82	81	80	80	79	78	76	97
4.0	84	83	82	82	81	81	80	78	99
5.0	84	84	83	83	82	82	80	79	100

# Luminance curve limit



# UGR diagram

Corrected UGR values (at 2500 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	20.2	20.8	20.4	21.1	21.3	20.2	20.8	20.4	21.1	21.3
	3H	20.0	20.6	20.3	20.9	21.2	20.0	20.6	20.3	20.9	21.2
	4H	19.9	20.5	20.3	20.8	21.1	19.9	20.5	20.3	20.8	21.1
	6H	19.9	20.4	20.2	20.7	21.0	19.9	20.4	20.2	20.7	21.0
	8H	19.8	20.3	20.2	20.7	21.0	19.8	20.3	20.2	20.7	21.0
	12H	19.8	20.3	20.2	20.6	21.0	19.8	20.3	20.2	20.6	21.0
4H	2H	19.9	20.5	20.3	20.8	21.1	19.9	20.5	20.3	20.8	21.1
	3H	19.8	20.3	20.2	20.6	21.0	19.8	20.3	20.2	20.6	21.0
	4H	19.7	20.1	20.1	20.5	20.9	19.7	20.1	20.1	20.5	20.9
	6H	19.6	20.0	20.1	20.4	20.8	19.6	20.0	20.1	20.4	20.8
	8H	19.6	19.9	20.0	20.3	20.8	19.6	19.9	20.0	20.3	20.8
	12H	19.5	19.8	20.0	20.3	20.7	19.5	19.8	20.0	20.3	20.7
8H	4H	19.6	19.9	20.0	20.3	20.8	19.6	19.9	20.0	20.3	20.8
	6H	19.5	19.8	20.0	20.2	20.7	19.5	19.8	20.0	20.2	20.7
	8H	19.4	19.7	19.9	20.1	20.6	19.4	19.7	19.9	20.1	20.6
	12H	19.4	19.6	19.9	20.1	20.6	19.4	19.6	19.9	20.1	20.6
12H	4H	19.5	19.8	20.0	20.3	20.7	19.5	19.8	20.0	20.3	20.7
	6H	19.4	19.7	19.9	20.1	20.6	19.4	19.7	19.9	20.1	20.6
	8H	19.4	19.6	19.9	20.1	20.6	19.4	19.6	19.9	20.1	20.6
Variations with the observer position at spacing:											
S =	1.0H	5.1 / -14.3					5.1 / -14.3				
	1.5H	7.9 / -16.4					7.9 / -16.4				
	2.0H	9.9 / -17.8					9.9 / -17.8				