Pixel Pro
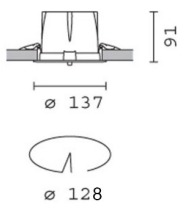
Design Iosa Ghini   **iGuzzini**

Last information update: May 2024

Product configuration: Q192
Q192: recessed luminaire Ø 137 - warm white passive dissipation LED - integrated DALI control gear - medium

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Product code
Q192: recessed luminaire Ø 137 - warm white passive dissipation LED - integrated DALI control gear - medium **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 - 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 efficiency LED.

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

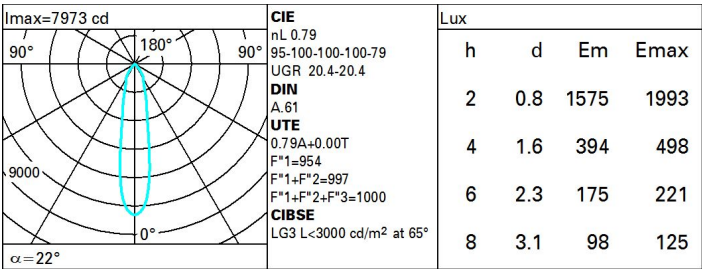### Wiring
on control gear box with quick-coupling connections

Complies with EN60598-1 and pertinent regulations

IP20   CE   EHC   NOM   DAC   S

Technical data

lm system:	2370	CRI:	80
W system:	24.6	Colour temperature [K]:	3000
lm source:	3000	MacAdam Step:	2
W source:	22	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	96.3	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.) [%]:	79	Number of optical assemblies:	1
Beam angle [°]:	22°	Control:	DALI

Polar

Imax=7973 cd

CIE
nL 0.79
95-100-100-100-79
UGR 20.4-20.4
DIN
A.61
UTE
0.79A+0.00T
F"1=954
F"1+F"2=997
F"1+F"2+F"3=1000
CIBSE
LG3 L<3000 cd/m² at 65°

α=22°

Lux			
h	d	Em	Emax
2	0.8	1575	1993
4	1.6	394	498
6	2.3	175	221
8	3.1	98	125

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	70	66	63	61	65	62	62	59	75
1.0	73	70	67	65	69	66	66	63	80
1.5	77	75	72	71	74	72	71	68	87
2.0	80	78	76	75	77	75	74	72	91
2.5	81	80	79	78	79	78	77	75	94
3.0	82	81	80	80	80	79	78	76	96
4.0	84	83	82	81	81	81	80	78	98
5.0	84	83	83	83	82	82	80	78	99

Luminance curve limit

QC	A	G	1.15	2000		1000		500		<=300			
	B		1.50			2000		1000	750		500	<=300	
	C		1.85					2000			1000		500	<=300

C0-180 ———————— C90-270 ------------
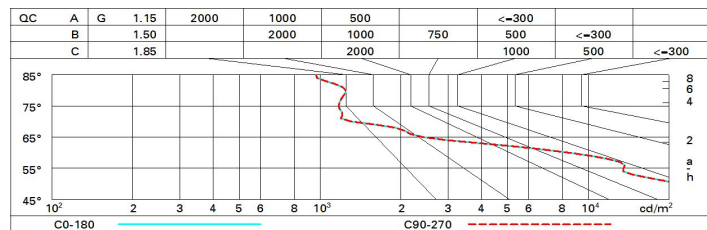
UGR diagram

Corrected UGR values (at 3000 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					viewed		
x	y			crosswise					endwise		
2H	2H	21.2	22.8	21.6	23.1	23.4	21.2	22.8	21.6	23.1	23.4
	3H	21.1	22.3	21.4	22.6	22.9	21.1	22.3	21.5	22.6	22.9
	4H	21.0	22.1	21.4	22.4	22.7	21.0	22.1	21.4	22.4	22.8
	6H	20.9	22.0	21.3	22.3	22.7	20.9	22.0	21.3	22.4	22.7
	8H	20.8	21.9	21.2	22.3	22.7	20.8	22.0	21.2	22.3	22.7
	12H	20.8	21.9	21.2	22.2	22.6	20.8	21.9	21.2	22.3	22.6
4H	2H	21.0	22.1	21.4	22.4	22.8	21.0	22.1	21.4	22.4	22.7
	3H	20.8	21.9	21.2	22.3	22.6	20.8	21.9	21.2	22.3	22.6
	4H	20.7	21.7	21.1	22.1	22.5	20.7	21.7	21.1	22.1	22.5
	6H	20.5	21.8	20.9	22.2	22.6	20.5	21.8	20.9	22.2	22.6
	8H	20.4	21.8	20.8	22.2	22.7	20.4	21.8	20.8	22.2	22.7
	12H	20.2	21.8	20.7	22.3	22.8	20.2	21.8	20.7	22.3	22.8
8H	4H	20.4	21.8	20.8	22.2	22.7	20.4	21.8	20.8	22.2	22.7
	6H	20.2	21.6	20.7	22.1	22.6	20.2	21.6	20.7	22.1	22.6
	8H	20.2	21.4	20.7	21.9	22.5	20.2	21.4	20.7	21.9	22.5
	12H	20.3	21.2	20.8	21.7	22.2	20.3	21.2	20.8	21.7	22.2
12H	4H	20.2	21.8	20.7	22.3	22.8	20.2	21.8	20.7	22.3	22.8
	6H	20.2	21.4	20.7	21.9	22.4	20.2	21.4	20.7	21.9	22.5
	8H	20.3	21.2	20.8	21.7	22.2	20.3	21.2	20.8	21.7	22.2

Variations with the observer position at spacing:

S =	1.0H	4.3 / -9.6	4.3 / -9.6
	1.5H	7.1 / -15.0	7.1 / -15.0
	2.0H	9.1 / -18.0	9.1 / -18.0