Pixel Pro

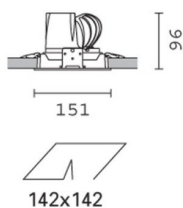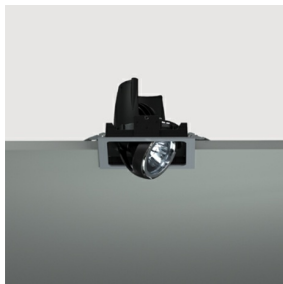**Design Iosa Ghini**   **iGuzzini**

Last information update: May 2024

Product configuration: Q207
Q207: square recessed luminaire - warm white passive dissipation LED - integrated DALI control gear - medium

Product code
Q207: square recessed luminaire - 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. Square sheet steel perimeter frame. Main structure made of die-cast aluminium. Steel rotation hinges. Die-cast aluminium lamp body with shaped surface for high level radiant effect for effectively reducing the temperature and keeping the long-term LED lamp performance unchanged. Chrome-plated aluminium lamp body closing ring. Riflettore con ottica ad alta efficienza in alluminio superpuro - apertura medium. Orientamento del corpo con dispositivo di manovra manuale: interno 29° - esterno 75° - rorazione sull'asse 355°. Supplied with DALI dimmable control gear connected to the luminaire. Warm white high colour rendering LEDs CRI (Ra) > 90.

Installation
recessed using steel springs for false ceilings with thicknesses starting at 1 mm; preparation slot 142 x 142 mm

Colour
White / Aluminium (39) | Grey / Black / Aluminium (E1)

Weight (Kg)
0.95

Mounting
ceiling recessed

Wiring
on control gear box with quick-coupling connections

Complies with EN60598-1 and pertinent regulations

IP20   CE

Technical data

lm system:	1975	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):	83	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=6644 cd

CIE
nL 0.79
95-100-100-100-79
UGR 16.2-16.2
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<1500 cd/m² at 65°
UGR<19 | L<1500 cd/mq @65°

α=22°

h	d	Em	Emax
2	0.8	1312	1661
4	1.6	328	415
6	2.3	146	185
8	3.1	82	104

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 - - - - - - - - - - -
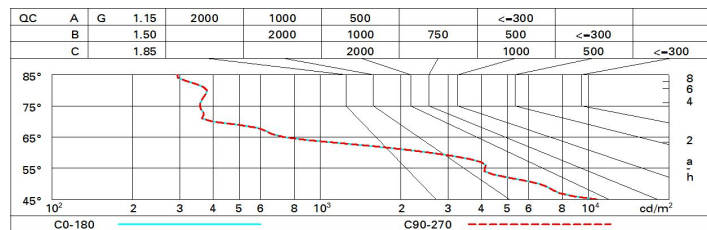
UGR diagram

Corrected UGR values (at 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					viewed			
x y		crosswise					endwise			
2H 2H	17.1	18.7	17.4	19.0	19.3	17.1	18.7	17.4	19.0	19.3
3H	16.9	18.1	17.3	18.4	18.8	17.0	18.2	17.3	18.5	18.8
4H	16.9	18.0	17.2	18.3	18.6	16.9	18.0	17.2	18.3	18.6
6H	16.7	17.9	17.1	18.2	18.6	16.7	17.9	17.1	18.2	18.6
8H	16.7	17.8	17.1	18.1	18.5	16.7	17.8	17.1	18.2	18.5
12H	16.6	17.7	17.1	18.1	18.5	16.7	17.7	17.1	18.1	18.5
4H 2H	16.9	18.0	17.2	18.3	18.6	16.9	18.0	17.2	18.3	18.6
3H	16.7	17.7	17.1	18.1	18.5	16.7	17.7	17.1	18.1	18.5
4H	16.5	17.6	17.0	18.0	18.4	16.5	17.6	17.0	18.0	18.4
6H	16.3	17.6	16.8	18.0	18.5	16.3	17.6	16.8	18.0	18.5
8H	16.2	17.6	16.7	18.1	18.6	16.2	17.6	16.7	18.1	18.6
12H	16.1	17.6	16.6	18.1	18.6	16.1	17.6	16.6	18.1	18.6
8H 4H	16.2	17.6	16.7	18.1	18.6	16.2	17.6	16.7	18.1	18.6
6H	16.1	17.5	16.6	18.0	18.5	16.1	17.5	16.6	18.0	18.5
8H	16.1	17.3	16.6	17.8	18.3	16.1	17.3	16.6	17.8	18.3
12H	16.1	17.0	16.7	17.5	18.1	16.1	17.0	16.7	17.5	18.1
12H 4H	16.1	17.6	16.6	18.1	18.6	16.1	17.6	16.6	18.1	18.6
6H	16.1	17.3	16.6	17.8	18.3	16.1	17.3	16.6	17.8	18.3
8H	16.1	17.0	16.7	17.5	18.1	16.1	17.0	16.7	17.5	18.1

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