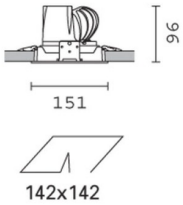
Pixel Pro

Design Iosa Ghini **iGuzzini**

Last information update: May 2024

Product configuration: Q200
Q200: square recessed luminaire -warm white passive dissipation - integrated electronic control gear - medium



Product code
Q200: square recessed luminaire -warm white passive dissipation - integrated electronic 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. Reflector with high efficiency super-pure aluminium optic - medium beam angle. Body adjusted using manually operated device: internal 29° - external 75° - rotation about axis 355°. Supplied with electronic control gear connected to the luminaire. Warm white high efficiency LED.

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

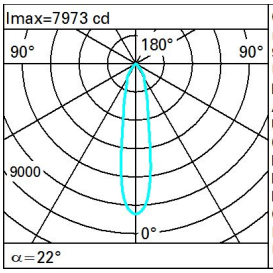
Complies with EN60598-1 and pertinent regulations

IP20

Technical data

lm system:	2370	CRI:	80
W system:	25.5	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):	92.9	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.) [%]:	79	Number of optical assemblies:	1
Beam angle [°]:	22°		

Polar



CIE
nL 0.79
95-100-100-100-79
UGR 16.9-16.9
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°

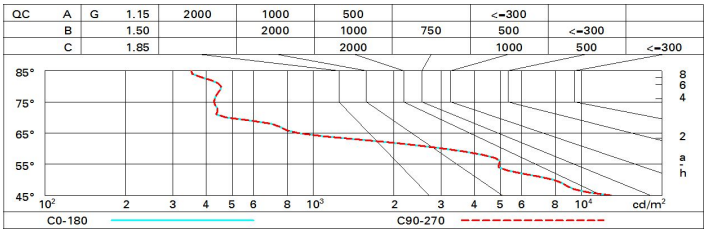
Lux

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



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 crosswise					viewed endwise		
x	y										
2H	2H	17.7	19.3	18.0	19.6	19.9	17.7	19.3	18.0	19.6	19.9
	3H	17.6	18.8	17.9	19.1	19.4	17.6	18.8	17.9	19.1	19.4
	4H	17.5	18.6	17.9	18.9	19.2	17.5	18.6	17.9	18.9	19.3
	6H	17.4	18.5	17.8	18.8	19.2	17.4	18.5	17.8	18.8	19.2
	8H	17.3	18.4	17.7	18.8	19.2	17.3	18.4	17.7	18.8	19.2
	12H	17.3	18.4	17.7	18.7	19.1	17.3	18.4	17.7	18.7	19.1
4H	2H	17.5	18.6	17.9	18.9	19.3	17.5	18.6	17.9	18.9	19.2
	3H	17.3	18.4	17.7	18.7	19.1	17.3	18.4	17.7	18.7	19.1
	4H	17.2	18.2	17.6	18.6	19.0	17.2	18.2	17.6	18.6	19.0
	6H	17.0	18.3	17.4	18.7	19.1	17.0	18.3	17.4	18.7	19.1
	8H	16.9	18.3	17.3	18.7	19.2	16.9	18.3	17.3	18.7	19.2
	12H	16.7	18.3	17.2	18.7	19.2	16.7	18.3	17.2	18.7	19.2
8H	4H	16.9	18.3	17.3	18.7	19.2	16.9	18.3	17.3	18.7	19.2
	6H	16.7	18.1	17.2	18.6	19.1	16.7	18.1	17.2	18.6	19.1
	8H	16.7	17.9	17.2	18.4	18.9	16.7	17.9	17.2	18.4	18.9
	12H	16.8	17.7	17.3	18.2	18.7	16.8	17.7	17.3	18.2	18.7
12H	4H	16.7	18.3	17.2	18.7	19.2	16.7	18.3	17.2	18.7	19.2
	6H	16.7	17.9	17.2	18.4	18.9	16.7	17.9	17.2	18.4	18.9
	8H	16.8	17.7	17.3	18.2	18.7	16.8	17.7	17.3	18.2	18.7

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