Pixel Pro

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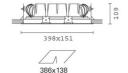
rectangular recessed luminaire with 3 optical assemblies - warm white passive dissipation LEDs - integrated DALI control gear - Wide flood

Product code

Q230

Technical description

Multiple recessed adjustable removable luminaire for LED lamp with passive heat dissipation system. Sheet steel perimeter frame. Main structure made of die-cast aluminium. Steel rotation hinges. Die-cast aluminium lamp bodies with shaped surface for high level radiant effect for effectively reducing the temperature and keeping the long-term LED lamp performance unchanged. Chromeplated aluminium lamp body closing rings. Reflectors with high efficiency super-pure aluminium optic - flood beam angle. Orientamento dei corpi con dispositivi di manovra manuale: interno 29° -esterno 75° - rotazione sull'asse 355°; in fase di orientamento e rotazione i corpi lampada sono soggetti ad alcune limitazioni consultabili sul foglio istruzioni. Supplied with DALI dimmable control gear units connected to the luminaire. Warm white high colour rendering LEDs CRI (Ra) > 90.



Installation

recessed: preparation slot 138×386 mm; perimeter frame preliminary fixing on false ceiling (min. thickness 1 mm) with adjustable metal brackets; main structure inserted and mechanically locked on the frame

Dimension (mm)

398x151x109

Colour

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

Weight (Kg)

3.5

Mounting

ceiling recessed

Wiring

on control gear box with quick-coupling connections; each lamp body has a specific ballast, allowing separate switch ons

Notes

the configuration of the lamp bodies causes some limitations during angling and rotation; consult the instructions leaflet

Complies with EN60598-1 and pertinent regulations













Product configuration: Q230

Product characteristics

Total lighting output [Lm]: 5918
Total power [W]: 71.2
Luminous efficacy [Lm/W]: 83.1

Life Time: > 50,000h - L80 - B10 (Ta 25°C)

Total luminous flux at or above an angle of 90° [Lm]: 0 Emergency luminous flux [Lm]: /

Voltage [V]:

Number of optical assemblies: 3

Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 79 Lamp code: LED ZVEI Code: LED Nominal power [W]: 21 Nominal luminous [Lm]: 2500 Lamp maximum intensity [cd]: / Beam angle [°]: 42° Number of lamps for optical assembly: 1 Socket: / Ballast losses [W]: 2.7

Colour temperature [K]: 3000 CRI: 90

Wavelength [Nm]: / MacAdam Step: 2

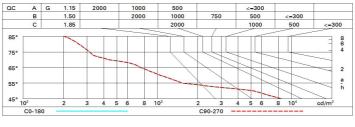
Polar

lmax=3393 cd	CIE	Lux			
90° 180° 90°	nL 0.79 97-100-100-100-79	h	d	Em	Emax
	UGR 16.1-16.1 DIN A.61 UTE	2	1.5	658	848
K XIIX X	0.79A+0.00T F"1=968	4	3.1	164	212
3000	F"1+F"2=998 F"1+F"2+F"3=1000 CIBSE	6	4.6	73	94
α=42°	LG3 L<1500 cd/m ² at 65° UGR<19 L<1500 cd/mq @	_{65°} 8	6.1	41	53

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

Riflect.: ceil/cav walls work pl. Room dim		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30	
		0.50 0.20	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30	
												viewed
		x	У	crosswise					endwise			
2H	2H	16.6	17.3	16.9	17.6	17.8	16.6	17.3	16.9	17.6	17.8	
	ЗН	16.5	17.1	16.8	17.4	17.7	16.5	17.1	16.8	17.4	17.7	
	4H	16.4	17.0	16.8	17.3	17.6	16.4	17.0	16.8	17.3	17.6	
	бН	16.4	16.9	16.7	17.2	17.5	16.4	16.9	16.7	17.2	17.5	
	HS	16.3	16.8	16.7	17.1	17.5	16.3	16.8	16.7	17.1	17.5	
	12H	16.3	16.8	16.7	17.1	17.5	16.3	16.8	16.7	17.1	17.5	
4H	2H	16.4	17.0	16.8	17.3	17.6	16.4	17.0	16.8	17.3	17.6	
	ЗН	16.3	16.8	16.7	17.1	17.5	16.3	16.8	16.7	17.1	17.5	
	4H	16.2	16.6	16.6	17.0	17.4	16.2	16.6	16.6	17.0	17.4	
	бН	16.1	16.5	16.5	16.9	17.3	16.1	16.5	16.5	16.9	17.3	
	HS	16.1	16.4	16.5	16.8	17.3	16.1	16.4	16.5	16.8	17.3	
	12H	16.0	16.3	16.5	16.8	17.2	16.0	16.3	16.5	16.8	17.2	
вн	4H	16.1	16.4	16.5	16.8	17.3	16.1	16.4	16.5	16.8	17.3	
	6H	16.0	16.3	16.5	16.7	17.2	16.0	16.3	16.5	16.7	17.2	
	HS	15.9	16.2	16.4	16.6	17.1	15.9	16.2	16.4	16.6	17.	
	12H	15.9	16.1	16.4	16.6	17.1	15.9	16.1	16.4	16.6	17.1	
12H	4H	16.0	16.3	16.5	16.8	17.2	16.0	16.3	16.5	16.8	17.2	
	бН	15.9	16.2	16.4	16.6	17.1	15.9	16.2	16.4	16.6	17.	
	HS	15.9	16.1	16.4	16.6	17.1	15.9	16.1	16.4	16.6	17.1	
Varia	tions wi	th the ob	server p	noitieo	at spacin	ıg:						
S =	1.0H	5.1 / -14.3					5.1 / -14.3					
	1.5H	7.9 / -16.4					7.9 / -16.4					