iGuzzini

Last information update: June 2018



rectangular recessed luminaire with 2 optical assemblies - warm white passive dissipation LEDs - integrated electronic control gear - wide flood

Product code Q213

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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 - wide flood beam angle. Bodies adjusted using manually operated device: internal 29° - external 75° - rotation about axis 355°. During adjustment and rotation the lamp bodies are subject to some limitations. Consult the instruction sheet. Supplied with electronic control gear units connected to the luminaire. Warm white high efficiency LED.



Installation

recessed: preparation slot 138 x 270 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) 282x151x109

Colour

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

Weight (Kg)

1.9

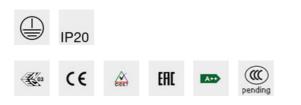
Mounting ceiling recessed

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 instruction leaflet



Complies with EN60598-1 and pertinent regulations

Product configuration: Q213

Product characteristics Total lighting output [Lm]: 4676

 Total lighting output [Lm]: 4676
 Total power [W]: 51
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 Luminous efficacy [Lm/W]: 91.7
 Votal power [Lm]: 4676
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 Life Time: > 50,000h - L80 - B10 (Ta 25°C)
 Notal power [Lm]: 4676
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Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 78 Lamp code: LED ZVEI Code: LED Nominal power [W]: 22 Nominal luminous [Lm]: 3000 Lamp maximum intensity [cd]: / Beam angle [°]: 54° Total luminous flux at or above an angle of 90 $^{\circ}$ [Lm]: 0 Emergency luminous flux [Lm]: / Voltage [V]: - Number of optical assemblies: 2

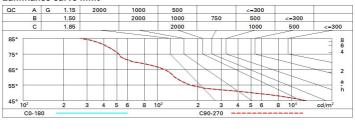
Number of lamps for optical assembly: 1 Socket: / Ballast losses [W]: 3.5 Colour temperature [K]: 3000 CRI: 80 Wavelength [Nm]: / MacAdam Step: 2 Polar

Imax=3107 cd	CIE	Line			
imax=5107 cu		Lux			
90° 180° 90°		h	d	Em	Emax
	UGR 16.4-16.4 DIN A.61	2	2	600	773
X X	UTE 0.78A+0.00T F"1=965	4	4.1	150	193
3000	F"1+F"2=997 F"1+F"2+F"3=1000 CIBSE	6	6.1	67	86
α=54°	LG3 L<1500 cd/m² at 65° UGR<19 L<1500 cd/mq @	9 _{65°} 8	8.2	38	48

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	69	65	63	60	65	62	62	59	76
1.0	72	69	66	65	68	66	66	63	81
1.5	76	74	72	70	73	71	70	68	87
2.0	79	77	75	74	76	75	74	71	92
2.5	80	79	78	77	78	77	76	74	95
3.0	81	80	80	79	79	78	77	75	97
4.0	83	82	81	81	80	80	79	77	98
5.0	83	82	82	82	81	81	79	78	99

Luminance curve limit



UGR diagram

0.4													
Rifle		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30		
ceil/cav walls work pl.							10.000			0.50			
		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		
Room dim		viewed crosswise						viewed					
x	У		C	1033WIS	e				endwise				
2H	2H	17.0	17.6	17.2	17.8	18.1	17.0	17.6	17.2	17.8	18.1		
	3H	16.8	17.4	17.1	17.7	17.9	16.8	17.4	17.1	17.7	17.9		
	4H	16.8	17.3	17.1	17.6	17.9	16.8	17.3	17.1	17.6	17.9		
	6H	16.7	17.2	17.0	17.5	17.8	16.7	17.2	17.0	17.5	17.8		
	BH	16.7	17.1	17.0	17.4	17.8	16.6	17.1	17.0	17.4	17.8		
	12H	16.6	17.1	17.0	17.4	17.7	16.6	17.1	17.0	17.4	17.7		
4H	2H	16.8	17.3	17.1	17.6	17.9	16.8	17.3	17.1	17.6	17.9		
	ЗH	16.6	17.1	17.0	17.4	17.8	16.6	17.1	17.0	17.4	17.8		
	4H	16.5	16.9	16.9	17.3	17.7	16.5	16.9	16.9	17.3	17.7		
	6H	16.4	16.8	16.9	17.2	17.6	16.4	16.8	16.9	17.2	17.6		
	HS	16.4	16.7	16.8	17.1	17.6	16.4	16.7	16.8	17.1	17.6		
	12H	16.4	16.6	16.8	17.1	17.5	16.4	16.6	16.8	17.1	17.5		
вн	4H	16.4	16.7	16.8	17.1	17.6	16.4	16.7	16.8	17.1	17.6		
	6H	16.3	16.6	16.8	17.0	17.5	16.3	16.6	16.8	17.0	17.5		
	HS	16.3	16.5	16.7	16.9	17.4	16.3	16.5	16.7	16.9	17.4		
	12H	16.2	16.4	16.7	16.9	17.4	16.2	16.4	16.7	16.9	17.4		
12H	4H	16.4	16.6	16.8	17.1	17.5	16.4	16.6	16.8	17.1	17.5		
	бH	16.3	16.5	16.7	16.9	17.4	16.3	16.5	16.7	16.9	17.4		
	BH	16.2	16.4	16.7	16.9	17.4	16.2	16.4	16.7	16.9	17.4		
Varia	ations wi	th the ob	perverp	osition	at spacin	ig:							
S =	1.0H	5.1 / -1 3.5					5.1 / -13.5						
	1.5H	7.9 / -14.7						7.9 / -14.7					
	2.0H		9 / -15	9	9.9 / -15.9								