iGuzzini

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

Last information update: June 2024

### Product configuration: Q213

Q213: rectangular recessed luminaire with 2 optical assemblies - warm white passive dissipation LEDs - integrated electronic control gear - wide flood

## Product code

Q213: rectangular recessed luminaire with 2 optical assemblies - warm white passive dissipation LEDs - integrated electronic control gear - wide flood Attention! Code no longer in production

## 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. Chrome-plated 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

Colour

Mounting

Notes

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

270x138

282x151 <u>\_</u>л.



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ceiling recessed

Wiring

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

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



Technical data					
Im system:	4676	CRI:	80		
W system:	51	Colour temperature [K]:	3000		
Im source:	3000	MacAdam Step:	2		
W source:	22	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)		
Luminous efficiency (Im/W,	91.7	Lamp code:	LED		
real value):		Number of lamps for optical	1		
Im in emergency mode:	nergency mode: -				
Total light flux at or above	0	ZVEI Code:	LED		
an angle of 90° [Lm]:		Number of optical	2		
Light Output Ratio (L.O.R.) [%]:	78	assemblies:			
Beam angle [°]:	54°				

## Polar

Imax=3107 cd CIE	Lux			
90° 180° 90° 9100 1100 1100 1100 1100 1100 110		d	Em	Emax
UGR 16. DIN A.61	4-16.4	2	600	773
UTE 0.78A+0. F"1=965	оот 4	4.1	150	193
3000 F*1+F*2= F*1+F*2+ CIBSE	997 F"3=1000 6	6.1	67	86
	500 cd/m² at 65°   L<1500 cd/mq @65° <b>8</b>	8.2	38	48

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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

ac	A	G	1.15	2000	1000	500		<-300		
	в		1.50		2000	1000	750	500	<=300	
	C		1.85			2000		1000	500	<=300
85° r	_		_				$\sim / m^2$			38
75°							ų			6
35°							$\mathbb{N}$		$\square$	2
55°									$\mathbb{R}$	, a h
45° 1	0 <sup>2</sup>		2	3 4 5	6 8	10 <sup>3</sup>	2 3	4 5 6	8 10 <sup>4</sup>	cd/m <sup>2</sup>
	C0-180	)					C90-270			

# UGR diagram

Riflec ceil/ca walls work Room	əv pl.	0.70	0.70								
walls work Room	pl.	10.200	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
work Room	pl.	0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30
Room	28.2	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
x	Room dim			viewed			0.0000000		viewed		
	У		c	rosswis	е				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
	бH	16.7	17.2	17.0	17.5	17.8	16.7	17.2	17.0	17.5	17.8
	HB	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
	BH	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
	HS	16.2	16.4	16.7	16.9	17.4	16.2	16.4	16.7	16.9	17.4
Varia	tions wi	th the ot	oserverp	osition	at spacin	ig:					
S =	1.0H		5.	1 / -13	.5			5.	1 / -13	.5	
	1.5H		7.	9 / -14	.7	7.9 / -14.7					