iGuzzini

Last information update: February 2025

### Product configuration: Q508

Q508: Frame 10 cells - Medium beam - LED



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### Technical description

Linear miniaturised recessed luminaire with 10 optical elements for LED lamps - fixed optics. Despite the ultracompact size of the product, the patented technology of the optic system guarantees an efficient flow and a high level of controlled glare visual comfort. Main body with die-cast aluminium radiant surface, version with perimeter surface frame. Metallised, thermoplastic, high definition Opti Beam reflectors, integrated in a set-back position in the anti-glare screen. Supplied with DALI power supply unit connected to the luminaire.

### Installation

Recessed with steel wire springs for false ceilings from 1 to 25 mm thick - preparation hole 24 x 186.

### Colour

Mounting

Wiring

Weight (Kg) White (01) | Black / Black (43) | Black / White (47) | White/Gold 0.55 (41)\* | Grey / Black (74)\* | White / burnished chrome (E7)\*

\* Colours on request

wall recessed|ceiling recessed

# 100 I8 \_/ / 24x186

On the power supply unit with terminal board included. Complies with EN60598-1 and pertinent regulations 8 CE E 03 EAE NOM G **IP23 IP20** 

Technical data         Colour temperature [K]:         3000           W system:         23.1         MacAdam Step:         2           Im source:         1850         Life Time LED 1:         > 50,000h - L80 - B10 (Ta 25°           W source:         20         Voltage [Vin]:         230           Luminous efficiency (Im/W, 63.3 real value):         63.3         Lamp code:         LED           Im in emergency mode:         -         assembly:         1           Total light flux at or above 0 an angle of 90° [Lm]:         79         ZVEI Code:         LED           Light Output Ratio (L.O.R.)         79         Youmber of optical assemblies:         1           [%]:         25°         Control:         DALI-2           Beam angle [°]:         25°         Control:         DALI-2				
W system:       23.1       MacAdam Step:       2         Im source:       1850       Life Time LED 1:       > 50,000h - L80 - B10 (Ta 25°)         W source:       20       Voltage [Vin]:       230         Luminous efficiency (Im/W, 63.3 real value):       63.3       Lamp code:       LED         Im in emergency mode:       -       assembly:       Total light flux at or above 0 an angle of 90° [Lm]:       ZVEI Code:       LED         Light Output Ratio (L.O.R.)       79       Total light:       Control:       DALI-2         Beam angle [°]:       25°	Technical data			
Im source:       1850       Life Time LED 1:       > 50,000h - L80 - B10 (Ta 25°)         W source:       20       Voltage [Vin]:       230         Luminous efficiency (Im/W, 63.3       Lamp code:       LED         real value):       Number of lamps for optical       1         Im in emergency mode:       -       assembly:         Total light flux at or above an angle of 90° [Lm]:       0       ZVEI Code:       LED         Light Output Ratio (L.O.R.)       79       assemblies:       [Control:       DALI-2         Beam angle [°]:       25°       25°       DALI-2       DALI-2	Im system:	1462	Colour temperature [K]:	3000
W source:     20     Voltage [Vin]:     230       Luminous efficiency (Im/W, 63.3     Lamp code:     LED       real value):     Number of lamps for optical     1       Im in emergency mode:     -     assembly:       Total light flux at or above an angle of 90° [Lm]:     0     ZVEI Code:     LED       Light Output Ratio (L.O.R.)     79     assemblies:     Control:     DALI-2       Beam angle [°]:     25°     25°     DALI-2	W system:	23.1	MacAdam Step:	2
Luminous efficiency (Im/W, 63.3 real value): Im in emergency mode: Total light flux at or above an angle of 90° [Lm]: Light Output Ratio (L.O.R.) P Beam angle [°]: 25° Lamp code: LED	Im source:	1850	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
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Light Output Ratio (L.O.R.) 79 assemblies: [%]: Control: DALI-2 Beam angle [°]: 25°	0	0	ZVEI Code:	LED
[%]:         Control:         DALI-2           Beam angle [°]:         25°         DALI-2	0 1 1		Number of optical	1
Beam angle [°]: 25°	<b>v</b> i ( )	79	assemblies:	
			Control:	DALI-2
CRI (minimum): 90	• • • •			
	CRI (minimum):	90		

### Polar

Imax=6752 cd	CIE	Lux			
90° 180°	nL 0.79 90° 100-100-100-79	h	d	Em	Emax
	UGR <10-<10 DIN A.61 UTE	2	0.9	1402	1688
XIX	0.79A+0.00T F"1=999	4	1.7	350	422
7500	F"1+F"2=1000 F"1+F"2+F"3=1000 CIBSE	6	2.6	156	188
α=24°	LG3 L<1500 cd/m <sup>2</sup> at 65° UGR<10   L<1500 cd/mq	@65° 8	3.4	88	106

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	71	68	65	63	67	65	64	62	78
1.0	75	71	69	67	70	68	68	66	83
1.5	78	76	74	72	75	73	72	70	89
2.0	81	79	77	76	78	76	76	73	93
2.5	82	81	80	79	80	79	78	76	96
3.0	83	82	81	81	81	80	79	77	98
4.0	84	83	83	82	82	82	80	79	99
5.0	84	84	84	83	83	82	81	79	100

# Luminance curve limit

ac	Α	G	1.15	2000	1000	500		<=300		
	в		1.50		2000	1000	750	500	<=300	
	С		1.85			2000		1000	500	<-300
							~ / ~	/ /		
85° [			-							8
		-								34
75°	1	1					111			
	/									
35°										2
										a
55°	-									'n
	-									
15° 10	0 <sup>2</sup>		2	3 4 5	5681	0 <sup>3</sup>	2 3	4 5 6	8 10 <sup>4</sup>	cd/m <sup>2</sup>
	C0-18	0					C90-270 -			

# UGR diagram

Rifle	et :										
ce il/c		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	. Ia	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Roon	n dim	222020		viewed			0.1330.000		viewed		
x	У		0	crosswis	e		endwise				
2H	2H	3.0	5.1	3.4	5.5	5.8	3.0	5.1	3.4	5.5	5.8
	ЗН	2.9	4.5	3.2	4.8	5.1	2.9	4.5	3.2	4.8	5.1
	4H	2.8	4.1	3.2	4.5	4.8	2.8	4.1	3.2	4.5	4.8
	6H	2.8	3.8	3.2	4.1	4.5	2.8	3.8	3.1	4.1	4.5
	BH	2.7	3.8	3.1	4.1	4.5	2.7	3.7	3.1	4.1	4.5
	12H	2.7	3.7	3.1	4.1	4.5	2.7	3.7	3.1	4.0	4.4
4H	2H	2.8	4.1	3.2	4.5	4.8	2.8	4.1	3.2	4.5	4.8
	ЗH	2.7	3.7	3.1	4.1	4.4	2.7	3.7	3.1	4.1	4.4
	4H	2.5	3.6	3.0	4.0	4.4	2.5	3.6	3.0	4.0	4.4
	6H	2.2	3.9	2.7	4.3	4.8	2.2	3.9	2.7	4.3	4.8
	HS	2.1	4.0	2.6	4.4	4.9	2.1	4.0	2.6	4.4	4.9
	12H	2.0	4.0	2.5	4.4	5.0	2.0	3.9	2.5	4.4	4.9
вн	4H	2.1	4.0	2.6	4.4	4.9	2.1	4.0	2.6	4.4	4.9
	6H	2.0	3.8	2.5	4.2	4.8	2.0	3.8	2.5	4.3	4.8
	BH	2.0	3.6	2.5	4.1	4.6	2.0	3.6	2.5	4.1	4.6
	12H	2.2	3.2	2.7	3.7	4.2	2.1	3.1	2.7	3.6	4.2
12H	4H	2.0	3.9	2.5	4.4	4.9	2.0	4.0	2.5	4.4	5.0
	6H	2.0	3.5	2.5	4.0	4.6	2.0	3.6	2.5	4.1	4.6
	8H	2.1	3.1	2.7	3.6	4.2	2.2	3.2	2.7	3.7	4.2
Varia	tions wi	th the ol	oserverp	osition	at spacir	ng:	100				
S =	1.0H		6	9 / -11	.5	6.9 / -11.5					
	1.5H		9	.7 / -11	.7	9.7 / -11.7					