Design iGuzzini iGuzzini

Last information update: October 2024

Product configuration: QS83

QS83: MInimal Ø 129 - Medium beam - LED



## Product code

QS83: MInimal Ø 129 - Medium beam - LED

### Technical description

Ring luminaire with 12 optical elements for LED lamps - fixed optics. The optic system guarantees a high level of visual comfort and no glare. The body includes a radiant surface made of die-cast aluminium. Minimal (frameless) version for flush with ceiling installation. For recessed installation in a false ceiling a specific adapter is required that is available with a separate item code. High definition reflectors made of thermoplastic material vacuum-metallised with aluminium vapours, integrated in a set-back position in the anti-glare screen. Supplied with a power supply unit connected to the luminaire.

#### Installation

Recessed with steel wire springs for false ceilings from 12,5 to 25 mm thick - Ø 129 installation hole.



White (01) | Black (04) | Gold (14)\* | Burnished chrome (E6)\*

Weight (Kg)

0.54





Ø129

Mounting

ceiling recessed

\* Colours on request

Wiring

On the power supply unit with terminal board included. Available in DALI electronic versions.

Complies with EN60598-1 and pertinent regulations















DALI-2











## Technical data

Im system:	2094	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)		
W system:	26.8	Voltage [Vin]:	230		
Im source:	2650	Lamp code:	LED		
W source:	24	Number of lamps for optical	1		
Luminous efficiency (Im/W,	78.1	assembly:			
real value):		ZVEI Code:	LED		
Im in emergency mode:	-	Number of optical	1		
Total light flux at or above	0	assemblies:			
an angle of 90° [Lm]:		Power factor:	See installation instructions		
Light Output Ratio (L.O.R.)	79	Inrush current:	21 A / 139 μs		
[%]:		Maximum number of			
Beam angle [°]:	24°	luminaires of this type per	B10A: 15 luminaires		
CRI (minimum):	90	miniature circuit breaker:	B16A: 24 luminaires		
Colour temperature [K]:	4000		C10A: 24 luminaires		
MacAdam Step:	2		C16A: 40 luminaires		
		Minimum dimming %:	1		
		Overvoltage protection:	2kV Common mode & 1kV Differential mode		

Control:

# Polar

Imax=9438 cd	C0-180		Lux				
90°		nL 0.79 100-100-100-100-79	h	d1	d2	Em	Emax
	$\mathcal{W}$	UGR <10-<10 DIN A.61 UTE	2	0.9	0.9	1922	2359
	$\langle / \rangle$	0.79A+0.00T F"1=999	4	1.7	1.7	481	590
10500		F"1+F"2=1000 F"1+F"2+F"3=1000 CIBSE	6	2.6	2.6	214	262
α=24°	X	LG3 L<1500 cd/m² at 65° UGR<10   L<1500 cd/mq @	9 <sub>65</sub> 8	3.4	3.4	120	147

## **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	74	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

4H	/ I.	0.70 0.50 0.20 4.0 3.8 3.8 3.7 3.6 3.8 3.6 3.8	6.1 5.4 5.1 4.8 4.7 4.6	0.50 0.50 0.20 viewed crosswis 4.3 4.2 4.1 4.1 4.0	6.4 5.7 5.4 5.1 5.1 5.0	0.30 0.30 0.20 6.7 6.1 5.8 5.4 5.4 5.4	0.70 0.50 0.20 3.8 3.6 3.6 3.5 3.5 3.5 3.5	0.70 0.30 0.20 5.9 5.2 4.9 4.6 4.5 4.5	0.50 0.50 0.20 viewed endwise 4.1 4.0 3.9 3.9 3.9 3.8	6.2 5.5 5.2 4.9 4.9	0.30 0.30 0.20 6.5 5.6 5.3 5.2 5.2	
walls work pl. Room d x 2H 4H	2H 3H 4H 6H 12H 2H 3H 4H	0.50 0.20 4.0 3.8 3.7 3.7 3.6	0.30 0.20 6.1 5.4 5.1 4.8 4.7 4.6	0.50 0.20 viewed crosswis 4.3 4.2 4.1 4.1 4.0	0.30 0.20 e 6.4 5.7 5.4 5.1 5.1 5.0	0.30 0.20 6.7 6.1 5.8 5.4 5.4 5.4	3.8 3.6 3.6 3.5 3.5 3.4	5.9 5.2 4.9 4.6 4.5	0.50 0.20 viewed endwise 4.1 4.0 3.9 3.9 3.9 3.9	0.30 0.20 6.2 5.5 5.2 4.9 4.9	0.30 0.20 6.5 5.9 5.6 5.3 5.2	
work pl. Room d x 2H 4H	2H 3H 4H 6H 8H 12H 2H 3H 4H	0.20 4.0 3.8 3.7 3.7 3.6 3.8 3.8	0.20 6.1 5.4 5.1 4.8 4.7 4.6	0.20 viewed crosswis 4.3 4.2 4.1 4.1 4.0	0.20 e 6.4 5.7 5.4 5.1 5.1 5.0	0.20 6.7 6.1 5.8 5.4 5.4 5.4	3.8 3.6 3.6 3.5 3.5 3.4	5.9 5.2 4.9 4.6 4.5	0.20 viewed endwise 4.1 4.0 3.9 3.9 3.9 3.8	0.20 6.2 5.5 5.2 4.9 4.9	6.5 5.9 5.6 5.2	
Room d x 2H 4H	2H 3H 4H 6H 8H 12H 2H 3H 4H	4.0 3.8 3.8 3.7 3.7 3.6 3.8 3.8	6.1 5.4 5.1 4.8 4.7 4.6	viewed crosswis  4.3  4.2  4.1  4.1  4.0	6.4 5.7 5.4 5.1 5.1 5.0	6.7 6.1 5.8 5.4 5.4 5.4	3.8 3.6 3.6 3.5 3.5 3.5	5.9 5.2 4.9 4.6 4.5	4.1 4.0 3.9 3.9 3.9 3.8	6.2 5.5 5.2 4.9 4.9	6.5 5.6 5.6 5.2	
x 2H 4H	y 2H 3H 4H 6H 8H 12H 2H 3H 4H	3.8 3.8 3.7 3.7 3.6 3.8 3.6	6.1 5.4 5.1 4.8 4.7 4.6	4.3 4.2 4.1 4.1 4.1 4.0	6.4 5.7 5.4 5.1 5.1 5.0	6.1 5.8 5.4 5.4 5.4 5.4	3.6 3.5 3.5 3.4	5.2 4.9 4.6 4.5 4.5	4.1 4.0 3.9 3.9 3.9 3.9 3.8	6.2 5.5 5.2 4.9 4.9	5.9 5.0 5.3 5.2	
2H 4H	2H 3H 4H 6H 8H 12H 2H 3H 4H	3.8 3.8 3.7 3.7 3.6 3.8 3.6	6.1 5.4 5.1 4.8 4.7 4.6	4.3 4.2 4.1 4.1 4.1 4.0	6.4 5.7 5.4 5.1 5.1 5.0	6.1 5.8 5.4 5.4 5.4 5.4	3.6 3.5 3.5 3.4	5.2 4.9 4.6 4.5 4.5	4.1 4.0 3.9 3.9 3.9 3.9 3.8	6.2 5.5 5.2 4.9 4.9	5.9 5.0 5.3 5.2	
4H	3H 4H 6H 8H 12H 2H 3H 4H	3.8 3.8 3.7 3.7 3.6 3.8 3.6	5.4 5.1 4.8 4.7 4.6 5.1 4.6	4.2 4.1 4.1 4.1 4.0	5.7 5.4 5.1 5.1 5.0	6.1 5.8 5.4 5.4 5.4 5.4	3.6 3.5 3.5 3.4	5.2 4.9 4.6 4.5 4.5	4.0 3.9 3.9 3.9 3.8	5.5 5.2 4.9 4.9 4.8	5.9 5.0 5.3 5.2	
4H	4H 6H 8H 12H 2H 3H 4H	3.8 3.7 3.7 3.6 3.8 3.6	5.1 4.8 4.7 4.6 5.1 4.6	4.1 4.1 4.1 4.0	5.4 5.1 5.1 5.0	5.8 5.4 5.4 5.4 5.8	3.6 3.5 3.5 3.4	4.9 4.6 4.5 4.5	3.9 3.9 3.9 3.8	5.2 4.9 4.9 4.8	5.6 5.2 5.2	
4H	6H 8H 12H 2H 3H 4H	3.7 3.7 3.6 3.8 3.6	4.8 4.7 4.6 5.1 4.6	4.1 4.1 4.0	5.1 5.1 5.0 5.4	5.4 5.4 5.4 5.8	3.5 3.5 3.4	4.6 4.5 4.5	3.9 3.9 3.8	4.9 4.9 4.8	5.3 5.2	
4H	8H 12H 2H 3H 4H	3.7 3.6 3.8 3.6	4.7 4.6 5.1 4.6	4.1 4.0 4.1	5.1 5.0 5.4	5.4 5.4 5.8	3.5 3.4	4.5 4.5	3.9 3.8	4.9 4.8	5.2	
4H	12H 2H 3H 4H	3.6 3.8 3.6	5.1 4.6	4.0	5.0 5.4	5.4	3.4	4.5	3.8	4.8		
4H	2H 3H 4H	3.8 3.6	5.1 4.6	4.1	5.4	5.8	100.000	10000 10000	08000	18000	5.3	
8Н	3H 4H	3.6	4.6				3.6	49	30			
8H	4H	35-22-23		4.0	5 O			4.0	0.5	5.2	5.0	
8H		3.5			5.0	5.4	3.4	4.5	3.8	4.8	5.2	
8H	BH		4.5	3.9	4.9	5.3	3.3	4.3	3.7	4.7	5.	
8H	OIL	3.1	4.8	3.6	5.2	5.7	3.0	4.6	3.4	5.0	5.5	
8Н	HS	3.0	4.9	3.5	5.3	5.8	2.8	4.7	3.3	5.1	5.0	
	12H	2.9	4.8	3.4	5.3	5.8	2.7	4.6	3.2	5.1	5.0	
	4H	3.0	4.9	3.5	5.3	5.8	2.8	4.7	3.3	5.1	5.6	
	бН	2.9	4.7	3.4	5.1	5.7	2.7	4.5	3.2	5.0	5.5	
	HS	2.9	4.4	3.4	4.9	5.5	2.7	4.2	3.2	4.7	5.3	
	12H	3.0	4.0	3.5	4.5	5.0	2.8	3.8	3.3	4.3	4.9	
12H	4H	2.9	4.8	3.4	5.3	5.8	2.7	4.6	3.2	5.1	5.	
	бН	2.9	4.4	3.4	4.9	5.5	2.7	4.2	3.2	4.7	5.3	
	H8	3.0	4.0	3.5	4.5	5.0	2.8	3.8	3.3	4.3	4.9	
Variatio	ons wi	th the ol	bserverp	oosition	at spacir	ng:	-					
S = 1	1.0H		6	.6 / -46	3.0		6.7 / -46.2					
1	1.5H		8	.0 / -54	1.2			7.	8 / -45	.1		