Design iGuzzini iGuzzini

Last information update: October 2024

Product configuration: QS90

QS90: MInimal Ø 129 - Flood beam - LED



Product code

QS90: MInimal Ø 129 - Flood 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







On the visible part of the product once installed

















Technical data

Im system:	1764	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
W system:	26.8	Voltage [Vin]:	230
Im source:	2100	Lamp code:	LED
W source:	24	Number of lamps for optical	1
Luminous efficiency (lm/W,	65.8	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.)	84	Inrush current:	21 A / 139 μs
[%]:		Maximum number of	
Beam angle [°]:	42°	luminaires of this type per	B10A: 15 luminaires
CRI (minimum):	90	miniature circuit breaker:	B16A: 24 luminaires
Colour temperature [K]:	2700		C10A: 24 luminaires
MacAdam Step:	2	Minimum III and Andrews	C16A: 40 luminaires
		Minimum dimming %:	1
		Overvoltage protection:	2kV Common mode & 1kV Differential mode
		Control:	DALI-2

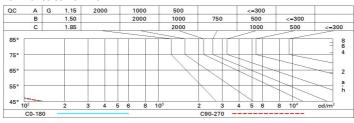
Polar

Imax=3748 cd	C75-255		Lux				
90°		nL 0.84 100-100-100-100-84	h	d1	d2	Em	Emax
		UGR <10-<10 DIN A.61 UTE	2	1.5	1.5	760	923
		0.84A+0.00T F"1=999	4	3.1	3.1	190	231
4000		F"1+F"2=1000 F"1+F"2+F"3=1000	6	4.6	4.6	84	103
0° α=42°		LG3 L<1500 cd/m² at 65° UGR<10 L<1500 cd/mq @	9 ₆₅ 8	6.1	6.1	47	58

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	76	72	69	67	71	69	68	66	78
1.0	79	76	73	71	75	73	72	70	83
1.5	83	80	78	77	80	78	77	74	89
2.0	86	84	82	81	83	81	80	78	93
2.5	87	86	85	84	85	84	83	80	96
3.0	88	87	86	86	86	85	84	82	98
4.0	89	89	88	88	87	87	85	83	99
5.0	90	89	89	89	88	88	86	84	100

Luminance curve limit



4H	2H 3H 4H 6H 8H 12H 2H 3H 4H	0.70 0.50 0.20 1.1 0.9 0.8 0.7 0.7	0.70 0.30 0.20 1.6 1.4 1.3 1.2 1.2 1.1	0.50 0.50 0.20 viewed crosswis 1.3 1.2 1.2 1.1 1.1	1.8 1.7 1.6 1.5 1.5	0.30 0.30 0.20 2.1 2.0 1.9 1.8 1.8	0.70 0.50 0.20 1.2 1.1 1.0 0.9 0.9	0.70 0.30 0.20 1.8 1.6 1.5 1.4 1.3	0.50 0.50 0.20 viewed endwise 1.5 1.4 1.4 1.3 1.3	0.50 0.30 0.20 2.0 1.9 1.8 1.7 1.7	0.30 0.30 0.20 2.3 2.1 2.0 2.0 2.0
walls work pl Room o x 2H	2H 3H 4H 6H 8H 12H 2H 3H 4H	0.50 0.20 1.1 0.9 0.8 0.8 0.7 0.7	0.30 0.20 1.6 1.4 1.3 1.2 1.2 1.1	0.50 0.20 viewed crosswis 1.3 1.2 1.2 1.1 1.1	0.30 0.20 e 1.8 1.7 1.6 1.5 1.5	0.30 0.20 2.1 2.0 1.9 1.8 1.8	1.2 1.1 1.0 0.9	0.30 0.20 1.8 1.6 1.5 1.4	0.50 0.20 viewed endwise 1.5 1.4 1.4 1.3	0.30 0.20 2.0 1.9 1.8 1.7 1.7	2.3 2.2 2.1 2.0
work pl Room o x 2H	2H 3H 4H 6H 8H 12H 2H 3H 4H	0.20 1.1 0.9 0.8 0.7 0.7	1.6 1.4 1.3 1.2 1.1	0.20 viewed crosswis 1.3 1.2 1.2 1.1 1.1	0.20 e 1.8 1.7 1.6 1.5 1.5	2.1 2.0 1.9 1.8 1.8	1.2 1.1 1.0 0.9 0.9	1.8 1.6 1.5 1.4 1.3	0.20 viewed endwise 1.5 1.4 1.4 1.3 1.3	2.0 1.9 1.8 1.7	2.3 2.2 2.0 2.0
Room o	2H 3H 4H 6H 8H 12H 2H 3H 4H	1.1 0.9 0.8 0.8 0.7 0.7	1.6 1.4 1.3 1.2 1.2 1.1	1.3 1.2 1.2 1.1 1.1	1.8 1.7 1.6 1.5 1.5	2.1 2.0 1.9 1.8 1.8	1.2 1.1 1.0 0.9 0.9	1.8 1.6 1.5 1.4	1.5 1.4 1.4 1.3 1.3	2.0 1.9 1.8 1.7	2.5 2.5 2.0 2.0 2.0
x 2H 4H	2H 3H 4H 6H 8H 12H 2H 3H 4H	0.9 0.8 0.8 0.7 0.7	1.6 1.4 1.3 1.2 1.2 1.1	1.3 1.2 1.2 1.1 1.1	1.8 1.7 1.6 1.5 1.5	2.0 1.9 1.8 1.8	1.1 1.0 0.9 0.9	1.6 1.5 1.4 1.3	1.5 1.4 1.4 1.3	2.0 1.9 1.8 1.7	2. 2. 2. 2.
2H 4H	2H 3H 4H 6H 8H 12H 2H 3H 4H	0.9 0.8 0.8 0.7 0.7	1.6 1.4 1.3 1.2 1.2 1.1	1.3 1.2 1.2 1.1 1.1	1.8 1.7 1.6 1.5 1.5	2.0 1.9 1.8 1.8	1.1 1.0 0.9 0.9	1.6 1.5 1.4 1.3	1.5 1.4 1.4 1.3 1.3	2.0 1.9 1.8 1.7	2. 2. 2. 2.
4Н	3H 4H 6H 8H 12H 2H 3H 4H	0.9 0.8 0.8 0.7 0.7	1.4 1.3 1.2 1.2 1.1	1.2 1.2 1.1 1.1 1.1	1.7 1.6 1.5 1.5 1.4	2.0 1.9 1.8 1.8	1.1 1.0 0.9 0.9	1.6 1.5 1.4 1.3	1.4 1.4 1.3 1.3	1.9 1.8 1.7 1.7	2. 2. 2. 2.
4Н	4H 6H 8H 12H 2H 3H 4H	0.8 0.8 0.7 0.7	1.3 1.2 1.2 1.1	1.2 1.1 1.1 1.1	1.6 1.5 1.5 1.4	1.9 1.8 1.8	1.0 0.9 0.9	1.5 1.4 1.3	1.4 1.3 1.3	1.8 1.7 1.7	2. 2. 2.
4Н	6H 8H 12H 2H 3H 4H	0.8 0.7 0.7	1.2 1.2 1.1	1.1 1.1 1.1	1.5 1.5 1.4	1.8 1.8	0.9	1.4 1.3	1.3 1.3	1.7 1.7	2.
4Н	8H 12H 2H 3H 4H	0.7 0.7 0.8	1.2 1.1	1.1 1.1	1.5 1.4	1.8	0.9	1.3	1.3	1.7	2.
4Н	12H 2H 3H 4H	0.7	1.1	1.1	1.4						
4Н	2H 3H 4H	8.0	1.3	######################################	22.3	1.8	0.9	1.3	1.2	1.6	2
	3H 4H			1.2	1.0						2.
	4H	0.7	11		1.6	1.9	1.0	1.5	1.4	1.8	2.
	-		1.1	1.1	1.4	1.8	0.9	1.3	1.2	1.6	2.
		0.6	1.0	1.0	1.3	1.7	8.0	1.1	1.2	1.5	1.
	6H	0.5	8.0	0.9	1.2	1.6	0.7	1.0	1.1	1.4	1.
	H8	0.5	8.0	0.9	1.2	1.6	0.6	0.9	1.1	1.3	1.
8H	12H	0.4	0.7	0.9	1.1	1.6	0.6	0.9	1.1	1.3	1.
	4H	0.5	8.0	0.9	1.2	1.6	0.6	0.9	1.1	1.3	1.
	6H	0.4	0.6	8.0	1.1	1.5	0.6	8.0	1.0	1.2	1.
	HS	0.3	0.5	8.0	1.0	1.5	0.5	0.7	1.0	1.2	1.
	12H	0.3	0.4	8.0	0.9	1.4	0.4	0.6	0.9	1.1	1.
12H	4H	0.4	0.7	0.9	1.1	1.6	0.6	0.9	1.1	1.3	1.
	бН	0.3	0.5	8.0	1.0	1.5	0.5	0.7	1.0	1.2	1.
13	H8	0.3	0.4	8.0	0.9	1.4	0.4	0.6	0.9	1.1	1.
Variatio	ons wi	th the ol	bserverp	oosition	at spacir	ıg:					
S =	1.0H	6.9 / -27.7					6.9 / -27.8				
	1.5H	9.7 / -32.6					9.7 / -32.4				