Design iGuzzini

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33x33

iGuzzini

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Product configuration: QK91 QK91: Minimal 1 cell - Flood - LED



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#### Technical description

Square miniaturised recessed luminaire for a single LED lamp - fixed optic. Die-cast aluminium body, minimal version (frameless) installed flush with ceiling. For recessed installation in a false ceiling a specific adapter is required that is available with a separate item code. Metallised, thermoplastic, high definition OptiBeam reflector, integrated in a set-back position in the anti-glare screen. Connecting cable supplied. Ballast not included, available with separate code. High colour rendering LED.

#### Installation

The recess body is inserted in the specific adapter installed previously by means of a steel wire spring - check the thickness of the false ceiling and use a compatible frame available with a separate item code.

Colour Weight (Kg) White (01) | Black (04) 0.05

# Mounting

wall recessed|ceiling recessed|ceiling surface

Wiring
Constant current ballasts to be ordered separately: ON-OFF - code no. MXF9; DALI dimmable - code no. BZM4 - check the instruction sheet for the operating current setting and the compatible length and cross sections of the cables to be used.



Complies with EN60598-1 and pertinent regulations























### Technical data

Im system:	141	CRI (typical):	97
W system:	2.1	Colour temperature [K]:	2700
Im source:	170	MacAdam Step:	3
W source:	2.1	Life Time LED 1:	50,000h - L90 - B10 (Ta 25°C)
Luminous efficiency (lm/W,	67.1	Lamp code:	LED
real value):		Number of lamps for optical	1
Im in emergency mode:	-	assembly:	
Luminous efficiency (Im/W, 67.1 Lamp code: real value): m in emergency mode: Total light flux at or above 0 ZVEI Code: an angle of 90° [Lm]: Light Output Ratio (L.O.R.) 83 assemblies:	ZVEI Code:	LED	
an angle of 90° [Lm]:		Number of optical	1
Light Output Ratio (L.O.R.)	83	assemblies:	
[%]:		LED current [mA]:	700
Beam angle [°]:	32°		
CRI (minimum):	95		

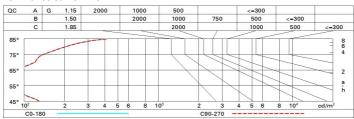
# Polar

Imax=473 cd	CIE	Lux			
90° 180° 90°	nL 0.83 100-100-100-100-83	h	d	Em	Emax
	UGR <10-<10 <b>DIN</b> A.61	1	0.6	368	473
	UTE 0.83A+0.00T F"1=999	2	1.1	92	118
525	F"1+F"2=999 F"1+F"2+F"3=1000 CIBSE	3	1.7	41	53
α=32°	LG3 L<1500 cd/m² at 65° UGR<10   L<1500 cd/mq @	<sub>65°</sub> 4	2.3	23	30

# **Utilisation factors**

R	77	75	73	71	55	53	33	00	DRR
K0.8	75	71	68	66	70	68	68	65	78
1.0	78	75	72	70	74	72	71	69	83
1.5	82	79	77	76	78	77	76	73	89
2.0	84	83	81	80	81	80	79	77	93
2.5	86	85	84	83	83	82	82	79	96
3.0	87	86	85	85	85	84	83	81	98
4.0	88	87	87	86	86	86	84	82	99
5.0	89	88	88	87	87	86	85	83	100

### Luminance curve limit



Corre	cted UC	R value:	s (at 170	Im bare	lamp lu	mino us f	lux)					
Rifled	et.:											
ceil/cav walls work pl. Room dim		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30	
		0.50	0.30	0.50 0.20	0.30	0.30 0.20	0.50 0.20	0.30	0.50	0.30	0.30	
								0.20	0.20	0.20	0.20	
		viewed							viewed			
X	У	crosswise						endwise				
2H	2H	-3.3	-2.7	-3.0	-2.5	-2.3	-3.3	-2.7	-3.0	-2.5	-2.3	
	ЗН	-3.3	-2.9	-3.0	-2.6	-2.3	-3.4	-2.9	-3.1	-2.6	-2.	
	4H	-3.3	-2.9	-3.0	-2.6	-2.3	-3.4	-3.0	-3.1	-2.7	-2.	
	бН	-3.3	-2.9	-3.0	-2.6	-2.3	-3.5	-3.1	-3.2	-2.8	-2.5	
	HS	-3.3	-2.9	-2.9	-2.6	-2.2	-3.5	-3.2	-3.2	-2.8	-2.5	
	12H	-3.2	-2.8	-2.8	-2.5	-2.1	-3.6	-3.2	-3.2	-2.9	-2.5	
4H	2H	-3.4	-3.0	-3.1	-2.7	-2.4	-3.3	-2.9	-3.0	-2.6	-2.3	
	ЗН	-3.5	-3.1	-3.1	-2.8	-2.4	-3.4	-3.1	-3.1	-2.7	-2.	
	4H	-3.5	-3.2	-3.1	-2.8	-2.4	-3.5	-3.2	-3.1	-2.8	-2.	
	6H	-3.4	-3.1	-3.0	-2.7	-2.3	-3.5	-3.3	-3.1	-2.9	-2.4	
	HS	-3.3	-3.0	-2.8	-2.6	-2.2	-3.6	-3.3	-3.1	-2.9	-2.5	
	12H	-3.1	-2.8	-2.6	-2.4	-2.0	-3.6	-3.4	-3.1	-2.9	-2.5	
вн	4H	-3.6	-3.3	-3.1	-2.9	-2.5	-3.3	-3.0	-2.8	-2.6	-2.2	
	6H	-3.4	-3.2	-2.9	-2.7	-2.2	-3.2	-3.0	-2.8	-2.6	-2.	
	HS	-3.2	-3.0	-2.7	-2.5	-2.0	-3.2	-3.0	-2.7	-2.5	-2.0	
	12H	-2.8	-2.7	-2.3	-2.2	-1.7	-3.1	-3.0	-2.6	-2.5	-2.0	
12H	4H	-3.6	-3.4	-3.1	-2.9	-2.5	-3.1	-2.8	-2.6	-2.4	-2.0	
	бН	-3.4	-3.2	-2.9	-2.7	-2.2	-2.9	-2.8	-2.5	-2.3	-1.8	
	HS	-3.1	-3.0	-2.6	-2.5	-2.0	-2.8	-2.7	-2.3	-2.2	-1.7	
Varia	tions wi	th the ol	oserverp	osition	at spacir	ıg:	-					
S =	1.0H	5.6 / -3.8					5.6 / -3.8					
	1.5H	8.3 / -4.0					8.3 / -4.0					