iGuzzini

Last information update: February 2025

## Product configuration: RA99

RA99: Minimal 10 cells - Medium beam - LED



# Product code

RA99: Minimal 10 cells - Medium beam - LED

#### Technical description

Linear miniaturised recessed luminaire with 10 optical elements for LED lamps - fixed optic. Despite the ultracompact size of the product, the patented technology of the optic system guarantees an efficient luminous flux and a high level of controlled glare visual comfort. Main body with die-cast aluminium radiant surface, minimal (frameless) version for mounting flush with the 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 Opti Beam reflector, integrated in a set-back position in the anti-glare screen. Supplied with a dimmable DALI power supply unit connected to the luminaire.

### Installation

Colour

Mounting

\* Colours on request

wall recessed|ceiling recessed

The luminaire is recessed in the specific adapter (QJ92) by means of a steel wire spring, previously installed on the ceiling that can be 12.5 / 15 / 20 mm thick. A special protective sheath allows finishing operations on the plasterboard to be simplified and speeded up.

Weight (Kg)

0.46

~			49
H	17	'9	

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26x183

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On the power supply unit with terminal board included.

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

### Notes

Wiring

The special steel wire spring provided is required to facilitate the eventual extraction of the recessed body once it has been inserted.

Complies with EN60598-1 and pertinent regulations

Technical data			
Im system:	1501	Colour temperature [K]:	3500
W system:	23.1	MacAdam Step:	2
Im source:	1900	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
W source:	20	Voltage [Vin]:	230
Luminous efficiency (Im/W,	65	Lamp code:	LED
real value):		Number of lamps for optical	1
Im in emergency mode:	-	assembly:	
Total light flux at or above	0	ZVEI Code:	LED
an angle of 90° [Lm]:		Number of optical	1
Light Output Ratio (L.O.R.)	79	assemblies:	
[%]:		Control:	DALI-2
Beam angle [°]:	25°		
CRI (minimum):	90		

#### Polar

Imax=6935 cd	CIE	Lux			
90° 180° 90°	nL 0.79 100-100-100-100-79	h	d	Em	Emax
	UGR <10-<10 DIN A.61 UTE	2	0.9	1440	1734
$K \times I \times X$	0.79A+0.00T F"1=999	4	1.7	360	433
7500	F"1+F"2=1000 F"1+F"2+F"3=1000 CIBSE	6	2.6	160	193
α=24°	LG3 L<1500 cd/m² at 65° UGR<10   L<1500 cd/mq @	<sub>65°</sub> 8	3.4	90	108

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	A	G 1.15	2000	1000	500		<-300		
	в	1.50		2000	1000	750	500	<=300	
	C	1.85			2000		1000	500	<=300
							/ _		
35° (									- 8
			-						- 6
'5°	-			_	$\left  \left( $				- 4
	1								
5°	/								2
									- 20
									a
55° ;	_					$\langle \rangle$		$\mathbf{P}$	a h
55°		2				$\langle \rangle$		R	
55°	02	2	3 4 5	6 8 1	03	2 3	4 5 6	8 104	

## UGR diagram

Rifle	ct.:										
ceil/cav		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 pl.		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Room dim		20200202		viewed			0130303		viewed		
x	У		0	crosswis	e	endwise					
2H	2H	3.1	5.2	3.5	5.5	5.9	3.1	5.2	3.5	5.5	5.9
	ЗH	3.0	4.6	3.3	4.9	5.2	3.0	4.6	3.3	4.9	5.2
	4H	2.9	4.2	3.3	4.6	4.9	2.9	4.2	3.3	4.6	4.9
	бH	2.9	3.9	3.3	4.2	4.6	2.9	3.9	3.2	4.2	4.0
	BH	2.8	3.9	3.2	4.2	4.6	2.8	3.8	3.2	4.2	4.5
	12H	2.8	3.8	3.2	4.2	4.6	2.8	3.8	3.2	4.1	4.5
4H	2H	2.9	4.2	3.3	4.6	4.9	2.9	4.2	3.3	4.6	4.9
	ЗH	2.8	3.8	3.2	4.1	4.5	2.8	3.8	3.2	4.1	4.5
	4H	2.6	3.7	3.1	4.0	4.5	2.6	3.7	3.1	4.0	4.5
	6H	2.3	4.0	2.8	4.4	4.9	2.3	4.0	2.8	4.4	4.9
	8H	2.2	4.1	2.7	4.5	5.0	2.2	4.0	2.6	4.5	5.0
	12H	2.1	4.1	2.6	4.5	5.1	2.0	4.0	2.6	4.5	5.0
вн	4H	2.2	4.0	2.6	4.5	5.0	2.2	4.1	2.7	4.5	5.0
	6H	2.1	3.9	2.6	4.3	4.9	2.1	3.9	2.6	4.4	4.9
	BH	2.1	3.6	2.6	4.1	4.7	2.1	3.6	2.6	4.1	4.7
	12H	2.3	3.3	2.8	3.8	4.3	2.2	3.2	2.8	3.7	4.3
12H	4H	2.0	4.0	2.6	4.5	5.0	2.1	4.1	2.6	4.5	5.1
	бH	2.0	3.6	2.6	4.1	4.7	2.1	3.7	2.6	4.2	4.7
	H8	2.2	3.2	2.8	3.7	4.3	2.3	3.3	2.8	3.8	4.3
Varia	tions wi	th the ol	bserverp	osition	at spacir	ng:					
S =	1.0H		6	9 / -11	.5		6.9 / -11.5				
	1.5H	9.7 / -11.7						9	7 / -11	.7	