Design iGuzzini

iGuzzini

Last information update: March 2025

Product configuration: EK89

EK89: Frame recessed luminaire - 10 cells - General Lighting Pro - DALI



Product code

EK89: Frame recessed luminaire - 10 cells - General Lighting Pro - DALI

Technical description

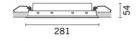
Rectangular recessed luminaire with 10 optical elements for LED lamps - fixed optics with metallised thermoplastic high definition Opti-Beam reflectors, integrated in a set-back position in the anti-glare screen. Main body with die-cast aluminium radiant surface, version with perimeter surface frame. The total white finish and the patented technology of the optic system guarantee an even and efficient luminous flux optimised by a special diffuser screen that reduces direct glare significantly. Supplied with DALI dimmable electronic control gear connected to the luminaire. High efficiency value Neutral White LED (lm/W).

Installation

Recessed with steel wire springs for false ceilings from 1 to 25 mm thick - preparation hole 37 x 274.

Colour White (01) Weight (Kg)

0.65



Mounting

wall recessed|ceiling recessed

Wiring

On control gear box with quick-coupling connections.

Complies with EN60598-1 and pertinent regulations























ch	ni	ra	IН	ats	2

Im system:	2250	CRI (typical):	82
W system:	23.2	Colour temperature [K]:	4000
Im source:	3000	MacAdam Step:	3
W source:	20	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Luminous efficiency (lm/W,	97	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.)	75	assemblies:	
[%]:		Control:	DALI-2
CRI (minimum):	80		

Polar

lmax=3145 cd		Lux			
90° 180° 90°	nL 0.75 88-98-100-100-75 UGR 20.2-20.1	h	d	Em	Emax
	DIN A.61	2	1.8	613	786
K XIIX X	UTE 0.75A+0.00T F"1=879	4	3.6	153	197
3000	F"1+F"2=980 F"1+F"2+F"3=996	6	5.3	68	87
α=48°		8	7.1	38	49

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	64	59	56	53	58	55	55	52	69
1.0	67	63	60	58	62	60	59	56	75
1.5	72	69	66	64	68	66	65	62	83
2.0	75	72	70	69	71	70	69	66	88
2.5	76	74	73	72	73	72	71	69	92
3.0	77	76	75	74	75	74	73	70	94
4.0	79	77	77	76	76	75	74	72	96
5.0	79	78	78	77	77	76	75	73	97

Luminance curve limit

QC	Α	G	1.15	2000	1000	500		<=300		
	В		1.50		2000	1000	750	500	<=300	
	С		1.85			2000		1000	500	<=300
85°				\prod			Z			8 6
75° 65°							1			2
										a
55°										h
45°	6	8	10 ³		2	3 4	5 6	8 10	4	cd/m²

Riflec ceil/ca walls work Room x	pl.	0.70 0.50 0.20 20.1 20.1 20.1	0.70 0.30 0.20 20.8 20.7	0.50 0.50 0.20 viewed crosswise 20.4		0.30 0.30 0.20	0.70 0.50 0.20	0.70 0.30 0.20	0.50 0.50 0.20 viewed	0.50 0.30 0.20	0.30 0.30 0.20
walls work Room x 2H	pl. o dim y 2H 3H 4H 6H	0.50 0.20 20.1 20.1 20.1	0.30 0.20	0.50 0.20 viewed crosswise 20.4	0.30 0.20 e	0.30	0.50	0.30	0.50 0.20 viewed	0.30	0.30
work Room x 2H	pl. dim y 2H 3H 4H 6H	20.1 20.1 20.1	0.20	0.20 viewed crosswise 20.4	0.20 e				0.20 viewed		
Room x 2H	2H 3H 4H 6H	20.1 20.1 20.1	20.8	viewed crosswis 20.4	e	0.20	0.20	0.20	viewed	0.20	0.20
х 2Н	y 2H 3H 4H 6H	20.1 20.1	20.8	20.4		100000000000000000000000000000000000000	00.000000				
2H	2H 3H 4H 6H	20.1 20.1	20.8	20.4							
and it	3H 4H 6H	20.1 20.1			21.0				endwise		
223	4H 6H	20.1	20.7		21.0	21.2	20.1	20.8	20.4	21.0	21.
703	бН	1000000		20.4	21.0	21.3	20.1	20.7	20.4	21.0	21.
PAT .	40.00	20.5	20.7	20.4	21.0	21.3	20.1	20.7	20.4	21.0	21.
7217	HS	20.1	20.6	20.5	20.9	21.3	20.0	20.5	20.4	20.9	21.
BULL U		20.1	20.6	20.5	20.9	21.3	20.0	20.5	20.4	20.8	21.
898.0	12H	20.1	20.6	20.5	20.9	21.3	20.0	20.4	20.3	20.8	21.
4H	2H	20.1	20.7	20.4	21.0	21.3	20.1	20.7	20.4	21.0	21.
	ЗН	20.1	20.6	20.5	21.0	21.3	20.2	20.7	20.6	21.0	21.
	4H	20.2	20.6	20.6	21.0	21.4	20.2	20.6	20.6	21.0	21.
	6H	20.2	20.6	20.6	21.0	21.4	20.1	20.5	20.6	20.9	21.
	H8	20.2	20.6	20.7	21.0	21.4	20.1	20.5	20.6	20.9	21.
	12H	20.2	20.5	20.7	21.0	21.4	20.1	20.4	20.5	20.8	21.
вн	4H	20.1	20.5	20.6	20.9	21.3	20.2	20.6	20.7	21.0	21.
	бН	20.2	20.5	20.7	20.9	21.4	20.2	20.5	20.7	21.0	21.
	H8	20.2	20.5	20.7	20.9	21.4	20.2	20.5	20.7	20.9	21.
	12H	20.3	20.5	20.8	21.0	21.5	20.2	20.4	20.7	20.9	21.
12H	4H	20.1	20.4	20.5	20.8	21.3	20.2	20.5	20.7	21.0	21.
	бН	20.2	20.4	20.7	20.9	21.4	20.2	20.5	20.7	21.0	21.
	HS	20.2	20.4	20.7	20.9	21.4	20.3	20.5	20.8	21.0	21.
Variat	tions wi	th the ob	oserverp	noitieo	at spacin	ıg:					
5 =	1.0H		1	.5 / -1.	5				1.5 / -1.5	5	
	1.5H		3	.1 / -3.	.7		3.1 / -3.7				