

Design iGuzzini iGuzzini

Product configuration: EK63.47

Product code

EK63.47: 10 - cell Recessed luminaire - LED Neutral white Flood optic - White/Black

rectangular miniaturised recessed luminaire with 10 optical elements with LED lamps - fixed optics - flood beam angle. Main body with die-cast aluminium radiant surface, version with perimeter surface frame. Metallised thermoplastic high definition optics, integrated in a rear position in the black anti-glare screen; the structure of the optical system prevents a pinpoint effect, allowing precise, circular light distribution and emission with controlled glare. Supplied with DALI dimmable electronic control gear connected to the luminaire. High efficiency value Neutral White LED (lm/W).

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

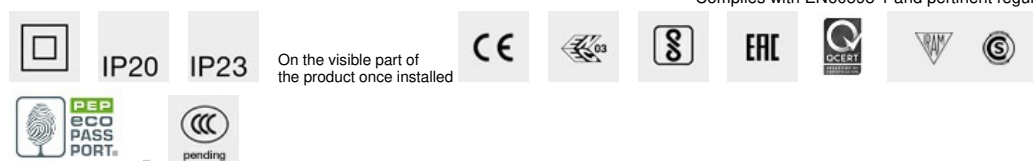
Colour
Black / White (47)

Weight (Kg)
0.65

wall recessed ceiling recessed

on control gear box with quick-coupling connections

Complies with EN60598-1 and pertinent regulations



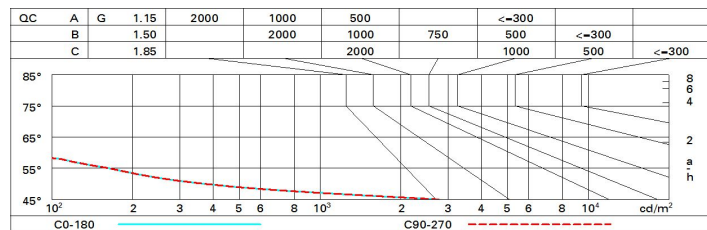
Im system:	2550	CRI (typical):	82
W system:	23.2	Colour temperature [K]:	4000
Im source:	3000	MacAdam Step:	3
W source:	20	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Luminous efficiency (Im/W, real value):	109.9	Lamp code:	LED
Im in emergency mode:	-	Number of lamps for optical assembly:	1
Total light flux at or above an angle of 90° [Lm]:	0	ZVEI Code:	LED
Light Output Ratio (L.O.R.) [%]:	85	Number of optical assemblies:	1
Beam angle [°]:	48°	Control:	DALI-2
CRI (minimum):	80		

	CIE nL 0.85 100-100-100-100-85 UGR 11.4-11.4				Lux			
	DIN A.61				h	d	Em	E _{max}
	UTE 0.85A+0.00T F*1=995 F*1+F*2=1000 F*1+F*2+F*3=1000				2	1.8	870	1144
	CIBSE LG3 L<1500 cd/m ² at 65° UGR<16 L<1500 cd/mq @65°				4	3.6	217	286
					6	5.3	97	127
α=48°					8	7.1	54	72

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	77	73	70	68	72	70	69	66	78
1.0	80	77	74	72	76	73	73	70	83
1.5	84	81	79	78	80	79	78	75	88
2.0	87	85	83	82	84	82	81	79	93
2.5	88	87	86	85	86	84	84	81	96
3.0	89	88	87	87	87	86	85	83	98
4.0	90	90	89	88	88	88	86	84	99
5.0	91	90	90	90	89	89	87	85	100

Luminance curve limit



UGR diagram

Corrected UGR values (at 3000 lm bare lamp luminous flux)											
Reflect.: ceiling/cav walls work pl. Room dim x y		viewed crosswise					viewed endwise				
		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	0.30	0.30	0.50	0.30	0.50	0.30	0.30
		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
2H	2H	12.0	12.5	12.3	12.7	13.0	12.0	12.5	12.3	12.7	13.0
	3H	11.9	12.3	12.2	12.6	12.9	11.9	12.3	12.2	12.6	12.9
	4H	11.8	12.2	12.1	12.5	12.8	11.8	12.2	12.1	12.5	12.8
	6H	11.7	12.1	12.1	12.4	12.8	11.7	12.1	12.1	12.4	12.8
	8H	11.7	12.1	12.0	12.4	12.7	11.7	12.1	12.0	12.4	12.7
	12H	11.6	12.0	12.0	12.3	12.7	11.6	12.0	12.0	12.3	12.7
4H	2H	11.8	12.2	12.1	12.5	12.8	11.8	12.2	12.1	12.5	12.8
	3H	11.6	12.0	12.0	12.3	12.7	11.6	12.0	12.0	12.3	12.7
	4H	11.5	11.9	11.9	12.2	12.6	11.5	11.9	11.9	12.2	12.6
	6H	11.5	11.7	11.9	12.1	12.6	11.5	11.7	11.9	12.1	12.6
	8H	11.4	11.7	11.8	12.1	12.5	11.4	11.7	11.8	12.1	12.5
	12H	11.4	11.6	11.8	12.0	12.5	11.4	11.6	11.8	12.0	12.5
8H	4H	11.4	11.7	11.8	12.1	12.5	11.4	11.7	11.8	12.1	12.5
	6H	11.3	11.5	11.8	12.0	12.5	11.3	11.5	11.8	12.0	12.5
	8H	11.3	11.4	11.7	11.9	12.4	11.3	11.4	11.7	11.9	12.4
	12H	11.2	11.4	11.7	11.8	12.4	11.2	11.4	11.7	11.8	12.4
12H	4H	11.4	11.6	11.8	12.0	12.5	11.4	11.6	11.8	12.0	12.5
	6H	11.3	11.4	11.7	11.9	12.4	11.3	11.4	11.7	11.9	12.4
	8H	11.2	11.4	11.7	11.8	12.4	11.2	11.4	11.7	11.8	12.4
Variations with the observer position at spacing:											
S =	1.0H	5.9 / -29.1					5.9 / -29.1				
	1.5H	8.7 / -38.7					8.7 / -38.7				
	2.0H	10.7 / -48.4					10.7 / -48.4				