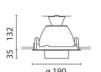
Tecnica Pro

Design iGuzzini

iGuzzini

Last information update: May 2018







Recessed DALI extractable-control gear

Product code

MK93

Technical description

Die-cast aluminium and thermoplastic material, recessed luminaire complete with C.O.B technology LED lamp in a 4000K neutral white colour tone. Luminaire with medium optic complete with high level light output and uniform distribution OPTIBEAM reflector. The product permits an internal rotation around the 335° vertical axis and the 65° horizontal plane with continuous friction (only on this rotation). Product complete with a DALI driver separate from the luminaire.

Installation

Recessed in false ceilings, with thicknesses starting from between 1 mm and 20 mm, using special steel torsion springs and hinged brackets.

Dimension (mm)

Ø190x132

Colour

White (01)

Weight (Kg)

1.46

Mounting

ceiling recessed

Wiring

product complete with DALI components

Notes

For compliance with the NFC 20-455 standard use an optional filter code MW57 for each optical assembly

Complies with EN60598-1 and pertinent regulations



















Product configuration: MK93

Product characteristics

Total lighting output [Lm]: 2308 Total power [W]: 25.1 Luminous efficacy [Lm/W]: 92

Luminous efficacy [Lm/W]: 92 Life Time: > 50,000h - L80 - B10 (Ta 25°C) Total luminous flux at or above an angle of 90° [Lm]: 0

Emergency luminous flux [Lm]: /

Voltage [V]: -

Number of optical assemblies: 1

Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 77 Lamp code: LED

ZVEI Code: LED Nominal power [W]: 22 Nominal luminous [Lm]: 3000 Lamp maximum intensity [cd]: / Beam angle [°]: 22° Number of lamps for optical assembly: 1

Socket: /

Ballast losses [W]: 3.1 Colour temperature [K]: 4000

CRI: 80

Wavelength [Nm]: / MacAdam Step: 2

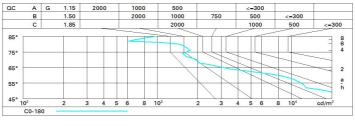
Polar

Imax=7823 cd	C0-180		Lux				
90°	90°	nL 0.77 97-100-100-100-77	h	d1	d2	Em	Emax
		JGR 20.4-20.4 DIN A.61 J TE	2	0.8	0.8	1517	1956
	$\times/\!\!\!/$	0.77A+0.00T ==1=965	4	1.6	1.6	379	489
7500		"1+F"2=997 "1+F"2+F"3=1000	6	2.3	2.3	169	217
0°- α=22°			8	3.1	3.1	95	122

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	68	64	62	60	64	61	61	58	76
1.0	72	68	66	64	67	65	65	62	81
1.5	75	73	71	69	72	70	69	67	87
2.0	78	76	75	73	75	74	73	71	92
2.5	79	78	77	76	77	76	75	73	95
3.0	80	79	79	78	78	77	76	74	97
4.0	81	81	80	79	79	79	78	76	98
5.0	82	81	81	81	80	80	78	77	99

Luminance curve limit



UGR diagram

And the second	100000000000000000000000000000000000000											
Riflect.:												
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 0.20	0.30	0.50 0.20	0.30	0.30	0.50	0.30	0.50	0.30	0.30	
							0.20	0.20	0.20	0.20	0.20	
		viewed					viewed					
X	У	crosswise					endwise					
2H	2H	21.2	22.9	21.6	23.2	23.5	21.2	22.9	21.6	23.2	23.5	
	ЗН	21.1	22.3	21.5	22.6	22.9	21.1	22.3	21.5	22.6	22.9	
	4H	21.0	22.1	21.4	22.5	22.8	21.0	22.1	21.4	22.5	22.8	
	бН	20.9	22.0	21.3	22.4	22.7	20.9	22.0	21.3	22.4	22.7	
	ВН	20.9	22.0	21.3	22.3	22.7	20.9	22.0	21.3	22.3	22.	
	12H	20.8	21.9	21.2	22.3	22.7	20.8	21.9	21.2	22.3	22.	
4H	2H	21.0	22.1	21.4	22.5	22.8	21.0	22.1	21.4	22.5	22.8	
	ЗН	20.8	21.9	21.2	22.3	22.7	20.8	21.9	21.2	22.3	22.	
	4H	20.7	21.8	21.1	22.1	22.6	20.7	21.8	21.1	22.1	22.0	
	бН	20.5	21.8	21.0	22.2	22.7	20.5	21.8	21.0	22.2	22.	
	HS	20.4	21.8	20.9	22.2	22.7	20.4	21.8	20.9	22.2	22.	
	12H	20.3	21.8	20.7	22.3	22.8	20.2	21.8	20.7	22.3	22.8	
вн	4H	20.4	21.8	20.9	22.2	22.7	20.4	21.8	20.9	22.2	22.	
	6H	20.2	21.7	20.7	22.1	22.7	20.2	21.7	20.7	22.1	22.	
	HS	20.2	21.5	20.7	22.0	22.5	20.2	21.5	20.7	22.0	22.5	
	12H	20.3	21.2	20.8	21.7	22.2	20.3	21.2	20.8	21.7	22.2	
12H	4H	20.2	21.8	20.7	22.3	22.8	20.3	21.8	20.7	22.3	22.8	
	бН	20.2	21.5	20.7	22.0	22.5	20.2	21.5	20.7	22.0	22.5	
	HS	20.3	21.2	20.8	21.7	22.2	20.3	21.2	20.8	21.7	22.2	
Varia	tions wi	th the ob	oserver p	noitieo	at spacin	g:						
5 =	1.0H	4.8 / -10.4					4.8 / -10.4					
	1.5H	7.5 / -14.3					7.5 / -14.3					
	2.0H	9.5 / -17.2						9.	5 / -17	.2		