iGuzzini

Last information update: May 2018

Fixed circular recessed luminaire - Ø 75 mm - neutral white - flood optic - UGR<19

Product code MV80

Technical description

Fixed round luminaire designed to use a LED lamp with C.O.B. technology. Version with rim for surface-mounting. Reflector vacuum-metallised with aluminium vapours with an anti-scratch protective layer. Die-cast aluminium body and passive dissipation system. Product complete with LED lamp in neutral white colour tone (4,000K). General light emission, with controlled luminance UGR<19 1500 cd/m2 α >65° flood optic.

Installation

Recessed using torsion springs which allow easy installation in false ceilings with thickness ranging from 1 mm to 20 mm.

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							Complie	s with EN6)598-1 an	d pertinen	t regulatior
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Product characteristics

Total lighting output [Lm]: 778.4 Total power [W]: 8.6 Luminous efficacy [Lm/W]: 90.5 Life Time: 50,000h - L80 - B10 (Ta 25°C)

Optical assembly Characteristics Type 1 Light Output Ratio (L.O.R.) [%]: 78 Lamp code: LED ZVEI Code: LED Nominal power [W]: 6.3 Nominal luminous [Lm]: 1000 Lamp maximum intensity [cd]: / Beam angle [°]: 28°

Total luminous flux at or above an angle of 90 $^{\circ}$ [Lm]: 0 Emergency luminous flux [Lm]: / Voltage [V]: - Number of optical assemblies: 1

Number of lamps for optical assembly: 1 Socket: / Ballast losses [W]: 2.3 Colour temperature [K]: 4000 CRI: 80 Wavelength [Nm]: / MacAdam Step: 2

Polar

	CIE	Lux			
90°	nL 0.78 100-100-100-100-78	h	d	Em	Emax
	DIN A.61 UTE 0.78A+0.00T	2	1	464	576
$\wedge \times \mid \times \land$	F"1=996 F"1+F"2=1000	4	2	116	144
2500	F"1+F"2+F"3=1000 CIBSE LG3 L<500 cd/m ² at 65°	6	3	52	64
α=28°		8	4	29	36



mill



ø 75

88

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	70	67	64	62	66	64	63	61	78
1.0	73	70	68	66	69	67	67	64	83
1.5	77	75	73	71	74	72	71	69	89
2.0	79	78	76	75	76	75	74	72	93
2.5	81	79	78	78	78	77	77	74	96
3.0	82	81	80	79	80	79	78	76	98
4.0	83	82	82	81	81	80	79	77	99
5.0	83	83	82	82	81	81	80	78	100

Luminance curve limit

QC	A	G	1.15	2	000		10	000		500				<=3	300				
	в		1.50				20	000		1000		750		50	00		<-300)	
	С		1.85							2000				10	00		500	<=:	300
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75°	ſ									ĹĹ	⊬	Y	+	\downarrow	-	_	-		4
65°	1			-					_	\rightarrow	\square	T	X		+		t	~	2
55°		1									\mathbf{h}	\uparrow	\checkmark				+		a h
45° 10) ²		2	3	4	5	6	8	10 ³		2	3	4	5	6	8	104	cd/m	
(CO-180) -					-				C90	-270							