iGuzzini

Last information update: May 2018



Product code MR78

Technical description

LED lamp, ceiling-mounted luminaire; integrated DALI dimmable control gear. Die-cast aluminium plate for surface mounting with diffuser element; technical, shaped aluminium sheet brackets for components and optics; comfort reflector vacuum-metallised with a luminium vapours and finished with a protective anti-scratch layer - controlled luminance optic; safety glass cover over LED lamp; lathe-shaped aluminium cylindrical body; lower ring in high resistance polycarbonate.

Ceiling-mounted luminaire - warm LED - Controlled luminance UGR < 19 - DALI dimmable control gear

Installation

Plate fixed to ceiling using screws and screw anchors (not included); bayonet assembly systems ensuring simple installation and maintenance; snap-on spring fastening for reflector. Wall or pendant application option available thanks to special accessory kits with a separate code.

Dimension (mm) Ø240x273

273

240

Colour White (01) | Grey (15)

Weight (Kg)

3.1

Mounting wall surface|ceiling surface|ceiling pendant

Wiring Control gear integrated in luminaire; mains and optic unit connections made with quick coupling terminal blocks. Touch-dim pushbutton dimming option (see instruction sheet)

Notes

Kit for wall-mounting: code no. 9443 - kit for steel cable pendant system L 1500: code no. 9441

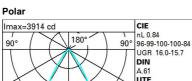


Complies with EN60598-1 and pertinent regulations

Product configuration: MR78

Product characteristics Total lighting output [Lm]: 3358 Total luminous flux at or above an angle of 90° [Lm]: 0 Total power [W]: 33 Emergency luminous flux [Lm]: / Luminous efficacy [Lm/W]: 101.8 Voltage [V]: Life Time: 50,000h - L80 - B10 (Ta 25°C) Number of optical assemblies: 1 Optical assembly Characteristics Type 1 Light Output Ratio (L.O.R.) [%]: 84 Number of lamps for optical assembly: 1

Lamp code: LED ZVEI Code: LED Nominal power [W]: 28 Nominal luminous [Lm]: 4000 Lamp maximum intensity [cd]: / Beam angle [°]: / Number of lamps for optical assembly: Socket: / Ballast losses [W]: 5 Colour temperature [K]: 3000 CRI: 80 Wavelength [Nm]: / MacAdam Step: 3



0°

$ \begin{array}{c} & 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$	CIE	Lux			
DIN A.61 UTE 2 2.3 742 977 0.84A+0.00T F*1=961 F*1=F*2=989 F*1=F*2=989 F*1=F*2=996 4 4.6 185 244		h	d	Em	Emax
0.84A+0.00T 4 4.6 185 244 F*1=961 F*1+F*2=989 6 6.9 82 109	DIN A.61	2	2.3	742	977
F*1+F*2+F*3=996 6 6.9 82 109	0.84A+0.00T	4	4.6	185	244
8 9.2 46 61		6	6.9	82	109
		8	9.2	46	61

Utilisation factors

4000

α=60°

R	77	75	73	71	55	53	33	00	DRR
K0.8	74	70	67	65	69	67	66	63	76
1.0	78	74	71	69	73	71	70	67	80
1.5	82	79	77	75	78	76	75	73	87
2.0	85	83	81	79	82	80	79	77	91
2.5	86	85	84	82	84	82	82	79	94
3.0	88	86	85	84	85	84	83	81	96
4.0	89	88	87	86	86	86	85	82	98
5.0	89	89	88	88	87	87	85	83	99

Luminance curve limit

20	Α	G	1.15	2000	1000	500		<-300		
	в		1.50		2000	1000	750	500	<=300	
	С		1.85			2000		1000	500	<=300
				_			_ / _	/ _		
85° [- 8
										- 4
75°										<u> </u>
						X	\land			
65°										2
						1			+	a
55°										- i
45° 10	2		2	3 4	5 6 8	10 ³	2 3	4 5 6	8 10 ⁴	cd/m ²

UGR diagram

-											
Rifle		0.70	0.70	0.50	0.50	0.00	0.70	0.70	0.50	0.50	0.00
ce il/c		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		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
	n dim			viewed					viewed		
x	У		C	RIWEED	e				endwise		
2H	2H	15.9	16.6	16.2	16.8	17.1	15.9	16.6	16.2	16.8	17.1
	ЗH	15.8	16.4	16.2	16.7	17.0	15.8	16.4	16.1	16.7	16.9
	4H	15.8	16.4	16.2	16.7	17.0	15.7	16.3	16.1	16.6	16.9
	6H	15.9	16.4	16.3	16.7	17.1	15.7	16.2	16.0	16.5	16.8
	HS	15.9	16.4	16.3	16.8	17.1	15.6	16.1	16.0	16.4	16.8
	12H	16.0	16.4	16.3	16.8	17.1	15.6	16.1	16.0	16.4	16.7
4H	2H	15.7	16.3	16.1	16.6	16.9	15.8	16.4	16.2	16.7	17.0
	ЗH	15.7	16.1	16.1	16.5	16.8	15.8	16.2	16.1	16.6	16.9
	4H	15.7	16.1	16.1	16.5	16.9	15.7	16.1	16.1	16.5	16.9
	6H	15.9	16.2	16.3	16.6	17.0	15.7	16.1	16.1	16.5	16.9
	8H	16.0	16.3	16.4	16.7	17.1	15.7	16.0	16.1	16.4	16.9
	12H	16.0	16.3	16.5	16.7	17.2	15.7	16.0	16.1	16.4	16.8
вн	4H	15.7	16.0	16.1	16.4	16.9	16.0	16.3	16.4	16.7	17.1
	6H	15.9	16.2	16.4	16.6	17.1	16.0	16.3	16.5	16.7	17.2
	HS	16.1	16.3	16.5	16.8	17.3	16.1	16.3	16.5	16.8	17.3
	12H	16.2	16.4	16.7	16.9	17.4	16. <mark>1</mark>	16.3	16.6	16.8	17.3
12H	4H	15.7	16.0	16.1	16.4	16.8	16.0	16.3	16.5	16.7	17.2
	бH	15.9	16.2	16.4	16.6	17.1	16.1	16.3	16.6	16.8	17.3
	8H	16.1	16.3	16.6	16.8	17.3	16.2	16.4	16.7	16.9	17.4
Varia	tions wi	th the ob	oserverp	osition a	at spacin	g:					
S =	1.0H		CONTRACTOR OF T	.7 / -4					1.7 / -4.	3	
	1.5H		7	.4 / -4	5				.4 / -4.		
	2.0H		9	4 / -4.	4			0	.4 / -4.	4	