

## Cup

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### Product configuration: MQ99

MQ99: recessed - LED lamp - Warm White



### Product code

MQ99: recessed - LED lamp - Warm White **Attention! Code no longer in production**

### Technical description

Semi-recessed luminaire with mains voltage LED lamp. Thick pressed glass external diffuser. Technical structure made of steel. Diffuser click-on coupling has a safety system to prevent accidental release of the glass.

### Installation

Recessed in pre-prepared hole: Ø 103 mm. Mechanical locking system using steel brackets.

### Colour

Nitric (65)

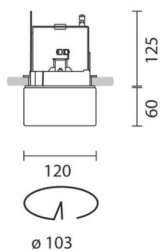
### Mounting

ceiling recessed

### Wiring

Connection box with screw terminal block.

Complies with EN60598-1 and pertinent regulations



### Technical data

Im system:	689	Colour temperature [K]:	2700
W system:	9.7	Life Time LED 1:	50,000h - L70 (Ta 25°C)
Im source:	850	Ballast losses [W]:	0
W source:	9.7	Voltage [Vin]:	230
Luminous efficiency (Im/W, real value):	71	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]:	61	ZVEI Code:	LED
Light Output Ratio (L.O.R.) [%]:	81	Number of optical assemblies:	1
CRI (minimum):	80		

### Polar

Imax=225 cd		CIE		Lux			
90°	180°	nL 0.81	52-74-90-91-81	h	d	Em	Emax
		DIN	A.41	1	1.9	161	217
		UTE	0.74E+0.07T	2	3.9	40	54
		F*1=521	F*1+F*2=738	3	5.8	18	24
		F*1+F*2+F*3=896	CIBSE	4	7.7	10	14
α=88°		LG3 L<1500 cd/m² at 65°					

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	53	45	39	35	43	38	37	31	42
1.0	58	50	44	40	48	43	42	36	48
1.5	65	58	53	49	56	51	50	43	59
2.0	69	64	59	55	61	57	55	49	66
2.5	72	67	63	60	64	61	59	53	72
3.0	74	70	66	63	67	64	61	56	75
4.0	76	73	70	67	70	67	65	59	80
5.0	78	75	72	70	72	70	67	61	83

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