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Product configuration: MF21

MF21: rectangular recessed luminaire with 3 optical assemblies - neutral white passive dissipation LEDs - integrated electronic control gear - wide flood



398x151

 $\angle \Lambda$

Product code

MF21: rectangular recessed luminaire with 3 optical assemblies - neutral white passive dissipation LEDs - integrated electronic control gear - wide flood Attention! Code no longer in production

Technical description

Multiple recessed adjustable removable luminaire for LED lamp with passive heat dissipation system. Sheet steel perimeter frame. Main structure made of die-cast aluminium. Steel rotation hinges. Die-cast aluminium lamp bodies with shaped surface for high level radiant effect for effectively reducing the temperature and keeping the long-term LED lamp performance unchanged. Chrome-plated aluminium lamp body closing rings. Reflectors with high efficiency super-pure aluminium optic - wide flood beam angle. Bodies adjusted using manually operated device: internal 29° - external 75° - rotation about axis 355°. During adjustment and rotation the lamp bodies are subject to some limitations. Consult the instruction sheet. Supplied with electronic control gear units connected to the luminaire. Neutral white high efficiency LED.

Installation

recessed: preparation slot 138×386 mm; perimeter frame preliminary fixing on false ceiling (min. thickness 1 mm) with adjustable metal brackets; main structure inserted and mechanically locked on the frame

Colour

White / Aluminium (39) | Grey / Black / Aluminium (E1)

Mounting

ceiling recessed

Wiring

on control gear box with quick-coupling connections; each lamp body has a specific ballast, allowing separate switch ons

Notes

the configuration of the lamp bodies causes some limitations during angling and rotation; consult the instruction leaflet

Complies with EN60598-1 and pertinent regulations













Technical data

Im system:	4676	CRI:	80		
W system:	46.2	Colour temperature [K]:	4000		
Im source:	2000	MacAdam Step:	2		
W source:	12	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)		
Luminous efficiency (lm/W,	101.2	Lamp code:	LED		
real value):		Number of lamps for optical	1		
Im in emergency mode:	-	assembly:			
· · · · · · · · · · · · · · · · · · ·	0	ZVEI Code:	LED		
an angle of 90° [Lm]:		Number of optical	3		
Light Output Ratio (L.O.R.) [%]:	78	assemblies:			
Beam angle [°]:	54°				

Polar

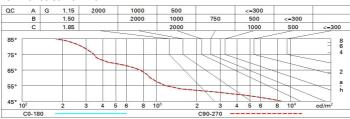
	CIE	Lux			
90° 180° 90°	nL 0.78 97-100-100-100-78	h	d	Em	Emax
	UGR 15.0-15.0 DIN A.61 UTE	2	2	400	516
	0.78A+0.00T F"1=965	4	4.1	100	129
	F"1+F"2=997 F"1+F"2+F"3=1000 CIBSE	6	6.1	44	57
	LG3 L<1500 cd/m² at 65° UGR<16 L<1500 cd/mq @	_{65°} 8	8.2	25	32



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	69	65	63	60	65	62	62	59	76
1.0	72	69	66	65	68	66	66	63	81
1.5	76	74	72	70	73	71	70	68	87
2.0	79	77	75	74	76	75	74	71	92
2.5	80	79	78	77	78	77	76	74	95
3.0	81	80	80	79	79	78	77	75	97
4.0	83	82	81	81	80	80	79	77	98
5.0	83	82	82	82	81	81	79	78	99

Luminance curve limit



Corre	ected UC	GR values	a (at 200)	0 Im bar	e lamp lu	ım inous	flux)					
Rifle	ct.:											
ceil/cav		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 pl.		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	
Roon	n dim	SACIONA	viewed		viewed							
X	У	crosswise					endwise					
2H	2H	15.6	16.2	15.8	16.4	16.7	15.6	16.2	15.8	16.4	16.	
	ЗН	15.4	16.0	15.7	16.3	16.5	15.4	16.0	15.7	16.3	16.	
	4H	15.4	15.9	15.7	16.2	16.5	15.4	15.9	15.7	16.2	16.	
	бН	15.3	15.8	15.6	16.1	16.4	15.3	15.8	15.6	16.1	16.	
	HS	15.2	15.7	15.6	16.0	16.4	15.2	15.7	15.6	16.0	16.	
	12H	15.2	15.6	15.6	16.0	16.3	15.2	15.6	15.6	16.0	16.	
4H	2H	15.4	15.9	15.7	16.2	16.5	15.4	15.9	15.7	16.2	16.	
	ЗН	15.2	15.7	15.6	16.0	16.3	15.2	15.7	15.6	16.0	16.	
	4H	15.1	15.5	15.5	15.9	16.3	15.1	15.5	15.5	15.9	16.	
	6H	15.0	15.4	15.5	15.8	16.2	15.0	15.4	15.5	15.8	16.	
	HS	15.0	15.3	15.4	15.7	16.2	15.0	15.3	15.4	15.7	16.	
	12H	14.9	15.2	15.4	15.7	16.1	14.9	15.2	15.4	15.7	16.	
вн	4H	15.0	15.3	15.4	15.7	16.2	15.0	15.3	15.4	15.7	16.	
	6H	14.9	15.2	15.4	15.6	16.1	14.9	15.2	15.4	15.6	16.	
	HS	14.9	15.1	15.3	15.5	16.0	14.9	15.1	15.3	15.5	16.	
	12H	14.8	15.0	15.3	15.5	16.0	14.8	15.0	15.3	15.5	16.	
12H	4H	14.9	15.2	15.4	15.7	16.1	14.9	15.2	15.4	15.7	16.	
	бН	14.8	15.1	15.3	15.5	16.0	14.9	15.1	15.3	15.5	16.	
	HS	14.8	15.0	15.3	15.5	16.0	14.8	15.0	15.3	15.5	16.	
Varia	tions wi	th the ob	serverp	osition	at spacin	g:	1000					
S =	1.0H	5.1 / -13.5					5.1 / -13.5					
	1.5H	7.9 / -14.7					7.9 / -14.7					
	2.0H	9.9 / -15.9					9.9 / -15.9					