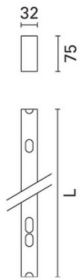
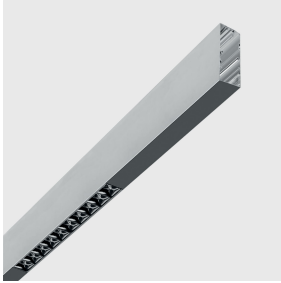


Last information update: February 2023

Product configuration: MJ65

MJ65: High Contrast module L=1462 - direct emission with controlled glare - LED - warm white integrated DALI dimmable control gear

**Product code**

MJ65: High Contrast module L=1462 - direct emission with controlled glare - LED - warm white integrated DALI dimmable control gear

Technical description

direct emission modular lighting system. High Contrast module with 2 groups of 10 elements using fixed optic LED lamps - flood beam angle. The structure of the optical system produces light emission with controlled glare (UGR < 19). Minimal (frameless) version extruded aluminium profile; partial black methacrylate screens set up for connection to end caps on both sides. Installation can be surface-mounted (ceiling/wall), or pendant. The module must be completed with the accessories kit needed for the selected type of installation. DALI dimmable electronic control gear integrated in the luminaire.

Installation

pendant: complete with power supply unit with cable (MWG5) and suspension cables (MWG6); surface-mounted: complete with supports (MWG7).

Colour

White (01) | Black (04) | Aluminium (12)

Weight (Kg)

3

Mounting

ceiling surface|ceiling pendant

Wiring

the module is fitted with 5-pin terminal blocks for pass-through wiring at the ends. DALI dimmable control gear integrated in the module.

Notes

High Contrast modules may be completed with accessory end caps (code MX80) and used independently in the various applications. To make continuous lines, use accessory code MX81 with partial screen suitable for overlapping with other modules. Possibility of combined High Contrast / Low Contrast

Complies with EN60598-1 and pertinent regulations

**Technical data**

lm system:	3564	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
W system:	46.3	Ballast losses [W]:	3.2
lm source:	2200	Lamp code:	LED
W source:	20	Number of lamps for optical assembly:	1
Luminous efficiency (lm/W, real value):	77	ZVEI Code:	LED
lm in emergency mode:	-	Number of optical assemblies:	2
Total light flux at or above an angle of 90° [Lm]:	0	Power factor:	See installation instructions
Light Output Ratio (L.O.R.) [%]:	81	Inrush current:	49 A / 154 µs
Beam angle [°]:	46°	Minimum dimming %:	1
CRI (minimum):	90	Overvoltage protection:	2kV Common mode & 1kV Differential mode
CRI (typical):	92	Dimming mode:	PWM
Colour temperature [K]:	3000	Control:	DALI
MacAdam Step:	3		

Polar

	Imax=3411 cd		CIE		Lux				
			nL 0.81		h	d	Em	Emax	
			100-100-100-100-81		2	1.7	694	853	
			UGR <10<10		4	3.4	173	213	
			DIN		6	5.1	77	95	
		A.61		8	6.8	43	53		
		UTE							
		0.81A+0.00T							
		F*1=1000							
		F*1+F*2=1000							
		F*1+F*2+F*3=1000							
		CIBSE							
		LG3 L<1500 cd/m² at 65°							
		UGR<10 L<1500 cd/mq @ 65°							
α = 46°									

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	73	70	67	65	69	66	66	64	78
1.0	76	73	71	69	72	70	70	67	83
1.5	80	78	76	74	77	75	74	72	89
2.0	83	81	79	78	80	78	78	75	93
2.5	84	83	82	81	82	81	80	78	96
3.0	85	84	83	83	83	82	81	79	98
4.0	86	85	85	84	84	84	82	81	99
5.0	87	86	86	86	85	84	83	81	100

UGR diagram

Corrected UGR values (at 2200 lm bare lamp luminous flux)											
Reflect.:											
ceiling/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
Room dim		viewed					viewed				
x	y	crosswise					endwise				
2H	2H	0.7	1.2	1.0	1.4	1.7	0.7	1.2	1.0	1.4	1.7
	3H	0.6	1.0	0.9	1.3	1.6	0.6	1.0	0.9	1.3	1.6
	4H	0.5	0.9	0.8	1.2	1.5	0.5	0.9	0.8	1.2	1.5
	6H	0.4	0.8	0.8	1.1	1.4	0.4	0.8	0.8	1.1	1.4
	8H	0.4	0.8	0.8	1.1	1.4	0.4	0.8	0.8	1.1	1.4
12H	0.4	0.7	0.7	1.0	1.4	0.4	0.7	0.7	1.0	1.4	
4H	2H	0.5	0.9	0.8	1.2	1.5	0.5	0.9	0.8	1.2	1.5
	3H	0.4	0.7	0.7	1.0	1.4	0.4	0.7	0.7	1.0	1.4
	4H	0.3	0.6	0.7	0.9	1.3	0.3	0.6	0.7	0.9	1.3
	6H	0.2	0.5	0.6	0.9	1.3	0.2	0.5	0.6	0.9	1.3
	8H	0.1	0.4	0.6	0.8	1.2	0.1	0.4	0.6	0.8	1.2
12H	0.1	0.3	0.5	0.7	1.2	0.1	0.3	0.5	0.7	1.2	
8H	4H	0.1	0.4	0.6	0.8	1.2	0.1	0.4	0.6	0.8	1.2
	6H	0.0	0.2	0.5	0.7	1.2	0.0	0.2	0.5	0.7	1.2
	8H	-0.0	0.2	0.5	0.6	1.1	-0.0	0.2	0.5	0.6	1.1
	12H	-0.1	0.1	0.4	0.6	1.1	-0.1	0.1	0.4	0.6	1.1
12H	4H	0.1	0.3	0.5	0.7	1.2	0.1	0.3	0.5	0.7	1.2
	6H	-0.0	0.2	0.5	0.6	1.1	-0.0	0.2	0.5	0.6	1.1
	8H	-0.1	0.1	0.4	0.6	1.1	-0.1	0.1	0.4	0.6	1.1
Variations with the observer position at spacing:											
S =	1.0H	6.8 / -21.9					6.8 / -21.9				
	1.5H	9.7 / -22.0					9.7 / -22.0				
	2.0H	11.7 / -22.2					11.7 / -22.2				