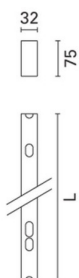


Last information update: May 2024

Product configuration: N934

N934: High Contrast module L=1462 - direct emission with controlled glare - neutral white integrated DALI dimmable control gear

**Product code**

N934: High Contrast module L=1462 - direct emission with controlled glare - neutral white integrated DALI dimmable control gear

Attention! Code no longer in production**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. Neutral white high efficiency LED.

Installation

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

Colour

Aluminium (12)

Weight (Kg)

3

Mounting

ceiling recessed|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**

Im system:	3400	CRI:	95
W system:	49.3	Colour temperature [K]:	4000
Im source:	2050	MacAdam Step:	3
W source:	21	Life Time LED 1:	50,000h - L90 - B10 (Ta 25°C)
Luminous efficiency (Im/W, real value):	69	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]:	0	ZVEI Code:	LED
Light Output Ratio (L.O.R.) [%]:	83	Number of optical assemblies:	2
Beam angle [°]:	48°	Control:	DALI

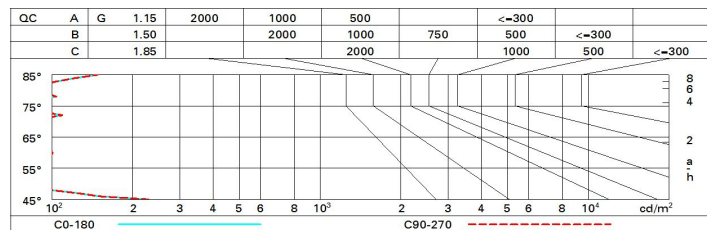
Polar

Imax=3011 cd		CIE		Lux			
90°	180°	nL 0.83	100-100-100-100-83	h	d	Em	Emax
		UGR <10-10		2	1.8	630	751
		DIN A.61		4	3.6	158	188
		UTE 0.83A+0.00T		6	5.3	70	83
		F*1=999		8	7.1	39	47
		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=48°							

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	75	71	68	66	70	68	68	65	78
1.0	78	75	72	70	74	72	71	69	83
1.5	82	79	77	76	79	77	76	74	89
2.0	85	83	81	80	82	80	79	77	93
2.5	86	85	84	83	84	83	82	79	96
3.0	87	86	85	85	85	84	83	81	98
4.0	88	87	87	86	86	86	84	82	99
5.0	89	88	88	88	87	86	85	83	100

Luminance curve limit



UGR diagram

Corrected UGR values (at 2050 lm bare lamp luminous flux)											
Reflect.: ceiling/cav walls work pl. Room dim x y		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30
		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
		viewed crosswise					viewed endwise				
2H	2H	4.2	4.7	4.5	4.9	5.2	4.2	4.7	4.5	4.9	5.2
	3H	4.1	4.5	4.4	4.8	5.1	4.1	4.5	4.4	4.8	5.1
	4H	4.0	4.4	4.4	4.7	5.0	4.0	4.4	4.4	4.7	5.0
	6H	4.0	4.3	4.3	4.6	5.0	4.0	4.3	4.3	4.6	5.0
	8H	3.9	4.3	4.3	4.6	4.9	3.9	4.3	4.3	4.6	4.9
	12H	3.9	4.2	4.3	4.6	4.9	3.9	4.2	4.2	4.6	4.9
4H	2H	4.0	4.4	4.4	4.7	5.0	4.0	4.4	4.4	4.7	5.0
	3H	3.9	4.2	4.2	4.6	4.9	3.9	4.2	4.2	4.6	4.9
	4H	3.8	4.1	4.2	4.5	4.8	3.8	4.1	4.2	4.5	4.8
	6H	3.7	4.0	4.1	4.4	4.8	3.7	4.0	4.1	4.4	4.8
	8H	3.7	3.9	4.1	4.3	4.7	3.7	3.9	4.1	4.3	4.7
	12H	3.6	3.8	4.1	4.3	4.7	3.6	3.8	4.1	4.3	4.7
8H	4H	3.7	3.9	4.1	4.3	4.7	3.7	3.9	4.1	4.3	4.7
	6H	3.6	3.8	4.0	4.2	4.7	3.6	3.8	4.0	4.2	4.7
	8H	3.5	3.7	4.0	4.1	4.6	3.5	3.7	4.0	4.1	4.6
	12H	3.5	3.6	4.0	4.1	4.6	3.5	3.6	4.0	4.1	4.6
12H	4H	3.6	3.8	4.1	4.3	4.7	3.6	3.8	4.1	4.3	4.7
	6H	3.5	3.7	4.0	4.1	4.6	3.5	3.7	4.0	4.1	4.6
	8H	3.5	3.6	4.0	4.1	4.6	3.5	3.6	4.0	4.1	4.6
Variations with the observer position at spacing:											
S =	1.0H	6.9 / -18.0					6.9 / -18.0				
	1.5H	9.7 / -18.3					9.7 / -18.3				
	2.0H	11.7 / -18.4					11.7 / -18.4				