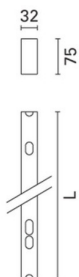


Last information update: May 2018

**High Contrast module L=1462 - direct emission with controlled glare - warm white integrated DALI dimmable control gear****Product code**

N936

**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. Warm white high efficiency LED.

**Installation**

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

**Dimension (mm)**

1462x32x75

**Colour**

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



IP20

**Product configuration: N936****Product characteristics**

Total lighting output [Lm]: 3151.3  
Total power [W]: 49.3  
Luminous efficacy [Lm/W]: 63.9  
Life Time: 50,000h - L90 - B10 (Ta 25°C)

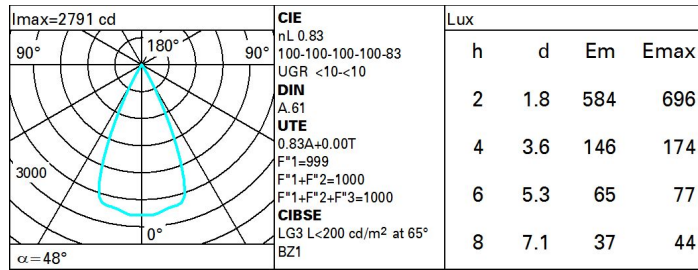
Total luminous flux at or above an angle of 90° [Lm]: 0  
Emergency luminous flux [Lm]: /  
Voltage [V]: -  
Number of optical assemblies: 2

**Optical assembly Characteristics Type 1**

Light Output Ratio (L.O.R.) [%]: 83  
Lamp code: LED  
ZVEI Code: LED  
Nominal power [W]: 21  
Nominal luminous [Lm]: 1900  
Lamp maximum intensity [cd]: /  
Beam angle [°]: 48°

Number of lamps for optical assembly: 1  
Socket: /  
Ballast losses [W]: 3.7  
Colour temperature [K]: 3000  
CRI: 90  
Wavelength [Nm]: /  
MacAdam Step: 3

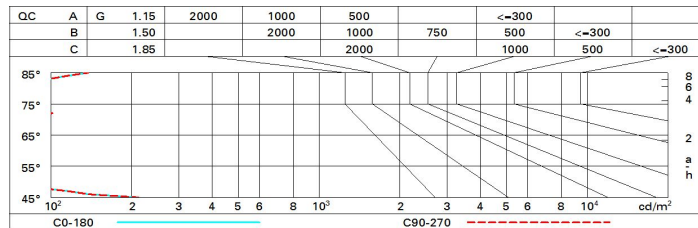
**Polar**



**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 1900 lm bare lamp luminous flux)											
Reflect.:		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
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 crosswise					viewed endwise				
x	y										
2H	2H	4.0	4.4	4.2	4.7	4.9	4.0	4.4	4.2	4.7	4.9
	3H	3.8	4.3	4.1	4.5	4.8	3.8	4.3	4.1	4.5	4.8
	4H	3.8	4.2	4.1	4.5	4.8	3.8	4.2	4.1	4.5	4.8
	6H	3.7	4.1	4.0	4.4	4.7	3.7	4.1	4.0	4.4	4.7
	8H	3.7	4.0	4.0	4.3	4.7	3.7	4.0	4.0	4.3	4.7
	12H	3.6	4.0	4.0	4.3	4.6	3.6	4.0	4.0	4.3	4.6
4H	2H	3.8	4.2	4.1	4.5	4.8	3.8	4.2	4.1	4.5	4.8
	3H	3.6	4.0	4.0	4.3	4.6	3.6	4.0	4.0	4.3	4.6
	4H	3.5	3.8	3.9	4.2	4.6	3.5	3.8	3.9	4.2	4.6
	6H	3.4	3.7	3.9	4.1	4.5	3.4	3.7	3.9	4.1	4.5
	8H	3.4	3.6	3.8	4.1	4.5	3.4	3.6	3.8	4.0	4.5
	12H	3.3	3.6	3.8	4.0	4.5	3.3	3.6	3.8	4.0	4.4
8H	4H	3.4	3.6	3.8	4.0	4.5	3.4	3.6	3.8	4.1	4.5
	6H	3.3	3.5	3.8	3.9	4.4	3.3	3.5	3.8	3.9	4.4
	8H	3.2	3.4	3.7	3.9	4.4	3.2	3.4	3.7	3.9	4.4
	12H	3.2	3.3	3.7	3.8	4.3	3.2	3.3	3.7	3.8	4.3
12H	4H	3.3	3.6	3.8	4.0	4.4	3.3	3.6	3.8	4.0	4.5
	6H	3.2	3.4	3.7	3.9	4.4	3.2	3.4	3.7	3.9	4.4
	8H	3.2	3.3	3.7	3.8	4.3	3.2	3.3	3.7	3.8	4.3
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				