

Last information update: March 2025

**Product configuration: R709.43**

R709.43: Ø59 Tech - DALI - Medium Beam - Black / Black

**Product code**

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**Technical description**

Cylindrical lighting body for ceiling or pendant-mounted applications. Fixed optic lighting system with a high definition reflector made of metallised thermoplastic. The LEDs are set back to minimize glare and guarantee a high level of visual comfort. Structural cylinder made of painted extruded aluminium with an inner ring made of thermoplastic available in different painted or metallised finishes. Glass cover Using specific accessory kits, ceiling or pendant-mounted installations can be made with minimum intervention and simplified by a practical bayonet coupling system. DALI dimmable driver integrated in the luminaire.

**Installation**

Ceiling or pendant-mounted - use the appropriate assembly kits available with a separate item code.

**Colour**

Black / Black (43)

**Weight (Kg)**

0.47

**Mounting**

ceiling surface|ceiling pendant

**Wiring**

The lighting body is fitted with an internal terminal board for connectinf it to the power line or pendant cable.

**Notes**

A wide range of decorative accessories and diffusers is available.

Complies with EN60598-1 and pertinent regulations

**Technical data**

Im system:	952	Colour temperature [K]:	4000
W system:	12.3	MacAdam Step:	2
Im source:	1220	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
W source:	11	Voltage [Vin]:	230
Luminous efficiency (Im/W, real value):	77.4	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.) [%]:	78	Number of optical assemblies:	1
Beam angle [°]:	24°	Control:	DALI-2
CRI (minimum):	90		

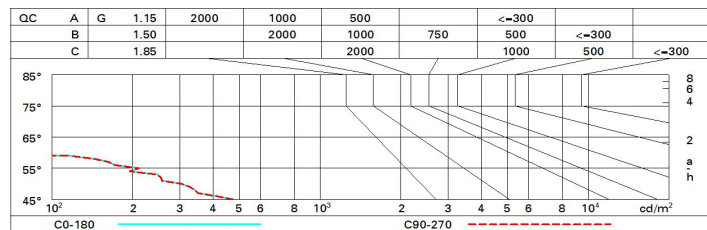
**Polar**

Imax=5108 cd		CIE		Lux			
90°	180°	90°		h	d	Em	E <sub>max</sub>
		nL 0.78 100-100-100-100-78 UGR <10-10 <b>DIN</b> A.61 <b>UTE</b> 0.78A+0.00T F*1=999 F*1+F*2=1000 F*1+F*2+F*3=1000 <b>CIBSE</b> LG3 L<1500 cd/m² at 65° UGR<10   L<1500 cd/mq @ 65°		2	0.8	1051	1277
				4	1.7	263	319
				6	2.5	117	142
				8	3.4	66	80

# Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	71	67	64	62	66	64	64	61	78
1.0	74	70	68	66	70	67	67	65	83
1.5	77	75	73	71	74	72	71	69	89
2.0	80	78	76	75	77	75	75	73	93
2.5	81	80	79	78	79	78	77	75	96
3.0	82	81	80	80	80	79	78	76	98
4.0	83	82	82	81	81	81	79	78	99
5.0	83	83	83	82	82	81	80	78	100

# Luminance curve limit



# UGR diagram

Corrected UGR values (at 1220 lm bare lamp luminous flux)										
Reflect.:		viewed crosswise					viewed endwise			
ceiling/cav		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.30
walls		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30
work pl.		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Room dim										
x	y									
2H	2H	-8.9	-0.7	-8.5	-0.4	-0.0	-8.9	-0.7	-8.5	-0.4
	3H	-9.0	-7.4	-8.6	-7.1	-0.7	-9.0	-7.4	-8.6	-7.1
	4H	-9.1	-7.8	-8.7	-7.4	-7.1	-9.0	-7.8	-8.7	-7.4
	6H	-9.1	-8.2	-8.7	-7.8	-7.5	-9.1	-8.1	-8.7	-7.8
	8H	-9.1	-8.2	-8.7	-7.9	-7.5	-9.1	-8.2	-8.7	-7.8
	12H	-9.2	-8.2	-8.8	-7.9	-7.5	-9.2	-8.2	-8.8	-7.9
4H	2H	-9.0	-7.8	-8.7	-7.4	-7.1	-9.1	-7.8	-8.7	-7.4
	3H	-9.2	-8.2	-8.8	-7.9	-7.5	-9.2	-8.2	-8.8	-7.9
	4H	-9.3	-8.3	-8.9	-7.9	-7.5	-9.3	-8.3	-8.9	-7.9
	6H	-9.7	-8.0	-9.2	-7.5	-7.0	-9.7	-8.0	-9.2	-7.5
	8H	-9.8	-7.9	-9.3	-7.4	-6.9	-9.8	-7.9	-9.3	-7.4
	12H	-9.9	-7.9	-9.4	-7.5	-6.9	-9.9	-7.9	-9.4	-7.5
8H	4H	-9.8	-7.9	-9.3	-7.4	-6.9	-9.8	-7.9	-9.3	-7.4
	6H	-9.9	-8.1	-9.4	-7.6	-7.1	-9.9	-8.1	-9.4	-7.6
	8H	-10.0	-8.4	-9.4	-7.9	-7.3	-10.0	-8.4	-9.4	-7.9
	12H	-9.8	-8.8	-9.3	-8.3	-7.7	-9.8	-8.8	-9.3	-8.3
12H	4H	-9.9	-7.9	-9.4	-7.5	-6.9	-9.9	-7.9	-9.4	-7.5
	6H	-10.0	-8.4	-9.4	-7.9	-7.3	-10.0	-8.4	-9.4	-7.9
	8H	-9.8	-8.8	-9.3	-8.3	-7.7	-9.8	-8.8	-9.3	-8.3
Variations with the observer position at spacing:										
S =		5.6 / -9.7					5.6 / -9.7			
		8.4 / -25.6					8.4 / -25.6			
		10.4 / -29.0					10.4 / -29.0			