

Last information update: March 2025

**Product configuration: QI49.43**

QI49.43: Ø59 Deco - Phase-Cut Dim - Medium Beam - 15W 850.9lm - 2700K - CRI 90 - 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. A decorative terminal element - in thick transparent PMMA - emphasises and elegantly defines light diffusion. Structural cylinder made of painted extruded aluminium with an inner ring made of black thermoplastic. 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. Dimmable driver - phase cut - integrated in luminaire.

**Installation**

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

**Colour**

Black / Black (43)

**Weight (Kg)**

0.49

**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.

Complies with EN60598-1 and pertinent regulations

**Technical data**

lm system:	851	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
W system:	15	Voltage [Vin]:	230
lm source:	1270	Lamp code:	LED
W source:	13	Number of lamps for optical assembly:	1
Luminous efficiency (lm/W, real value):	56.7	ZVEI Code:	LED
lm in emergency mode:	-	Number of optical assemblies:	1
Total light flux at or above an angle of 90° [Lm]:	0	Power factor:	See installation instructions
Light Output Ratio (L.O.R.) [%]:	67	Inrush current:	1.87 A / 48 µs
Beam angle [°]:	24°	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 97 luminaires B16A: 155 luminaires C10A: 161 luminaires C16A: 263 luminaires
CRI (minimum):	90	Minimum dimming %:	5
Colour temperature [K]:	2700	Overvoltage protection:	2kV Common mode & 1kV Differential mode
MacAdam Step:	2	Control:	Phase-cut

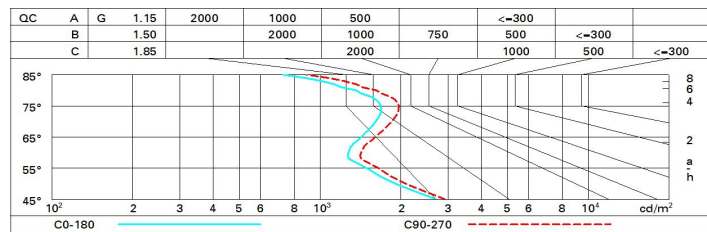
**Polar**

 Imax=4416 cd 90° 180° 90° 5000 0° α=23°	<b>CIE</b> nL 0.67 98-99-100-100-67 UGR <10-<10 <b>DIN</b> A.61 <b>UTE</b> 0.67A+0.00T F*1=980 F*1+F*2=990 F*1+F*2+F*3=997 <b>CIBSE</b> LG3 L<3000 cd/m² at 65° UGR<10   L<3000 cd/mq @65°				<b>Lux</b>			
	h	d	Em	Emax				
	2	0.8	887	1104				
	4	1.7	222	276				
	6	2.5	99	123				
	8	3.3	55	69				

# Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	60	57	54	53	56	54	54	52	77
1.0	63	60	58	56	59	57	57	55	82
1.5	66	64	62	60	63	61	61	59	87
2.0	68	66	65	64	65	64	63	62	92
2.5	69	68	67	66	67	66	65	64	95
3.0	70	69	68	68	68	68	67	65	97
4.0	71	70	70	69	69	69	68	66	99
5.0	71	71	71	70	70	69	68	67	100

# Luminance curve limit



# UGR diagram

Corrected UGR values (at 1270 lm bare lamp luminous flux)											
Reflect.: ceiling/cav walls work pl. Room dim x y		viewed crosswise					viewed endwise				
		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
2H	2H	3.4	5.5	3.7	5.8	6.1	3.5	5.6	3.9	5.9	6.3
	3H	4.8	6.4	5.2	6.7	7.0	3.7	5.3	4.1	5.6	6.0
	4H	5.8	7.1	6.2	7.4	7.8	3.9	5.2	4.3	5.5	5.8
	6H	6.7	7.6	7.1	8.0	8.3	4.0	5.0	4.4	5.3	5.7
	8H	6.9	7.8	7.3	8.2	8.5	4.1	5.0	4.4	5.4	5.7
	12H	7.0	8.0	7.4	8.3	8.7	4.0	5.0	4.4	5.3	5.7
4H	2H	3.7	5.0	4.1	5.3	5.7	6.1	7.4	6.5	7.7	8.0
	3H	5.6	6.6	6.0	6.9	7.3	6.7	7.7	7.1	8.0	8.4
	4H	6.7	7.7	7.2	8.1	8.5	7.0	8.0	7.4	8.4	8.8
	6H	7.4	9.1	7.9	9.5	10.0	7.0	8.7	7.5	9.1	9.6
	8H	7.6	9.5	8.1	9.9	10.4	7.0	8.9	7.5	9.4	9.9
	12H	7.7	9.6	8.2	10.1	10.6	7.0	8.9	7.5	9.4	9.9
8H	4H	6.8	8.7	7.3	9.1	9.6	7.9	9.8	8.4	10.3	10.8
	6H	7.8	9.6	8.4	10.1	10.6	8.3	10.1	8.8	10.5	11.1
	8H	8.2	9.8	8.7	10.3	10.8	8.5	10.0	9.0	10.5	11.1
	12H	8.6	9.6	9.1	10.1	10.7	8.8	9.8	9.3	10.3	10.8
12H	4H	6.8	8.7	7.3	9.2	9.7	8.0	10.0	8.5	10.4	11.0
	6H	7.9	9.5	8.5	10.0	10.5	8.5	10.1	9.1	10.6	11.1
	8H	8.5	9.5	9.0	10.0	10.6	8.9	9.9	9.4	10.4	11.0
Variations with the observer position at spacing:											
S =	1.0H	0.7 / -0.3					0.7 / -0.3				
	1.5H	1.7 / -0.5					1.7 / -0.5				
	2.0H	2.7 / -0.5					2.6 / -0.4				