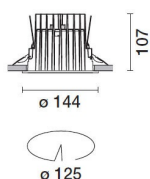
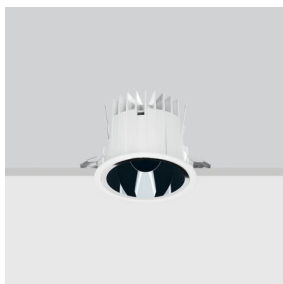


Last information update: April 2024

Product configuration: Q966

Q966: Fixed circular recessed luminaire - Ø125 mm - warm white - flood optic - UGR<19

**Product code**

Q966: Fixed circular recessed luminaire - Ø125 mm - warm white - flood optic - UGR<19

Technical description

Fixed round luminaire designed to use a LED lamp with C.O.B. technology. Version with rim for surface-mounting. Reflector vacuum-metallised with aluminium vapours with an anti-scratch protective layer. Die-cast aluminium body and passive dissipation system. Product complete with LED lamp in warm white colour tone CRI 90 (2700K). General light emission, with controlled luminance UGR<19 1500 cd/m² α>65° flood optic.

Installation

Recessed using torsion springs which allow easy installation in false ceilings with thickness ranging from 1 mm to 20 mm.

Weight (Kg)

1.02

Mounting

ceiling recessed

Wiring

product complete with DALI components

Complies with EN60598-1 and pertinent regulations



IP20

IP54

**Technical data**

lm system:	1845	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
W system:	19.1	Lamp code:	LED
lm source:	2100	Number of lamps for optical assembly:	1
W source:	17	ZVEI Code:	LED
Luminous efficiency (lm/W, real value):	96.6	Number of optical assemblies:	1
lm in emergency mode:	-	Power factor:	See installation instructions
Total light flux at or above an angle of 90° [Lm]:	0	Inrush current:	16 A / 220 µs
Light Output Ratio (L.O.R.) [%]:	88	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 15 luminaires B16A: 24 luminaires C10A: 24 luminaires C16A: 40 luminaires
Beam angle [°]:	24°	Overvoltage protection:	2kV Common mode & 1kV Differential mode
CRI (minimum):	90	Dimming mode:	PWM
Colour temperature [K]:	2700	Control:	DALI
MacAdam Step:	2		

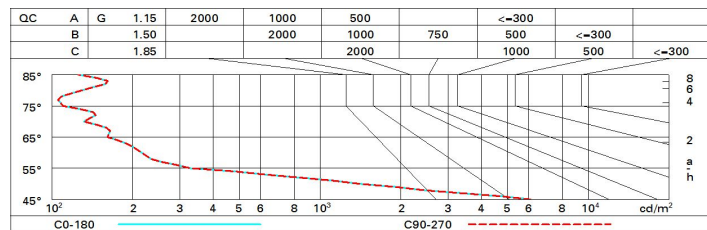
Polar

Imax=4994 cd		CIE		Lux			
				h	d	Em	Emax
		nL 0.88 98-100-100-100-88 UGR 17.1-17.1 DIN A.61 UTE 0.88A+0.00T F*1=978 F*1+F*2=999 F*1+F*2+F*3=1000 CIBSE LG3 L<1500 cd/m ² at 65° UGR<19 L<1500 cd/mq @65°		2	0.9	944	1249
				4	1.7	236	312
				6	2.6	105	139
				8	3.4	59	78

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	79	74	71	69	74	71	70	68	77
1.0	82	78	76	73	77	75	75	72	82
1.5	86	84	81	79	83	81	80	77	88
2.0	89	87	85	84	86	84	83	81	92
2.5	91	89	88	87	88	87	86	84	95
3.0	92	91	90	89	89	89	88	85	97
4.0	93	92	92	91	91	90	89	87	99
5.0	94	93	93	92	92	91	90	88	100

Luminance curve limit



UGR diagram

Corrected UGR values (at 2100 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	17.6	18.3	17.9	18.5	18.8	17.6	18.3	17.9	18.5	18.8
	3H	17.5	18.1	17.8	18.4	18.6	17.5	18.1	17.8	18.4	18.6
	4H	17.4	18.0	17.8	18.3	18.6	17.4	18.0	17.8	18.3	18.6
	6H	17.3	17.9	17.7	18.2	18.5	17.3	17.9	17.7	18.2	18.5
	8H	17.3	17.8	17.7	18.1	18.5	17.3	17.8	17.7	18.1	18.5
	12H	17.3	17.7	17.7	18.1	18.4	17.3	17.7	17.7	18.1	18.4
4H	2H	17.4	18.0	17.8	18.3	18.6	17.4	18.0	17.8	18.3	18.6
	3H	17.3	17.7	17.7	18.1	18.4	17.3	17.7	17.7	18.1	18.4
	4H	17.2	17.6	17.6	18.0	18.3	17.2	17.6	17.6	18.0	18.3
	6H	17.1	17.5	17.5	17.9	18.3	17.1	17.5	17.5	17.9	18.3
	8H	17.1	17.4	17.5	17.8	18.2	17.1	17.4	17.5	17.8	18.2
	12H	17.0	17.3	17.5	17.7	18.2	17.0	17.3	17.5	17.7	18.2
8H	4H	17.1	17.4	17.5	17.8	18.2	17.1	17.4	17.5	17.8	18.2
	6H	17.0	17.2	17.4	17.7	18.1	17.0	17.2	17.4	17.7	18.1
	8H	16.9	17.1	17.4	17.6	18.1	16.9	17.1	17.4	17.6	18.1
	12H	16.9	17.1	17.4	17.5	18.1	16.9	17.1	17.4	17.5	18.1
12H	4H	17.0	17.3	17.5	17.7	18.2	17.0	17.3	17.5	17.7	18.2
	6H	16.9	17.1	17.4	17.6	18.1	16.9	17.1	17.4	17.6	18.1
	8H	16.9	17.1	17.4	17.5	18.1	16.9	17.1	17.4	17.5	18.1
Variations with the observer position at spacing:											
S =	1.0H	4.4 / -24.6					4.4 / -24.6				
	1.5H	7.2 / -25.8					7.2 / -25.8				
	2.0H	9.2 / -26.2					9.2 / -26.2				