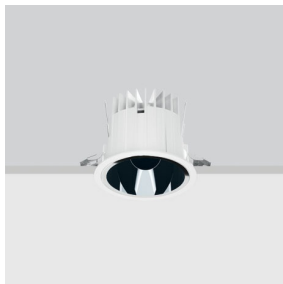


Last information update: October 2024

**Product configuration: Q098**

Q098: Fixed circular recessed luminaire - Ø125 mm - warm white - wide flood optic - UGR&lt;19

**Product code**

Q098: Fixed circular recessed luminaire - Ø125 mm - warm white - wide flood optic - UGR&lt;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 (3000K). General light emission, with controlled luminance UGR<19 1500 cd/m<sup>2</sup> α>65° wide flood optic.

**Installation**

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

**Colour**

White / Aluminium (39)

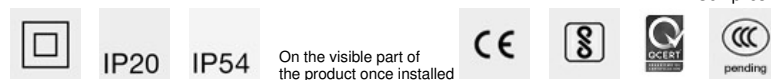
**Mounting**

ceiling recessed

**Wiring**

product complete with 1-10V components

Complies with EN60598-1 and pertinent regulations

**Technical data**

lm system:	2145	CRI (minimum):	80
W system:	21.8	Colour temperature [K]:	3000
lm source:	2650	MacAdam Step:	2
W source:	17	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	98.4	Lamp code:	LED
lm 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.) [%]:	81	Number of optical assemblies:	1
Beam angle [°]:	64°	Control:	1-10V

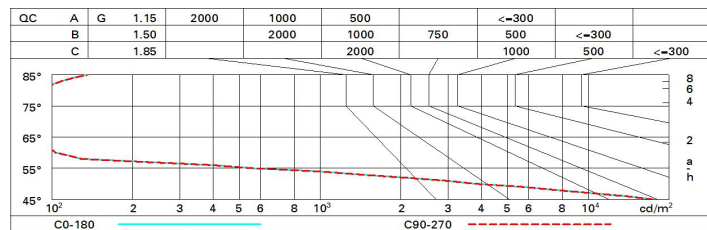
**Polar**

	<b>CIE</b> nL 0.81 96-100-100-100-81 UGR 19.0-19.0 <b>DIN</b> A.61 <b>UTE</b> 0.81A+0.00T F*1=961 F*1+F*2=1000 F*1+F*2+F*3=1000 <b>CIBSE</b> LG3 L<1500 cd/m <sup>2</sup> at 65° UGR<19   L<1500 cd/mq @ 65°			
	<b>Lux</b>			
	h	d	Em	E <sub>max</sub>
	2	2.5	407	532
	4	5	102	133
	6	7.5	45	59
	8	10	25	33

# Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	72	68	65	63	67	64	64	61	76
1.0	75	72	69	67	71	68	68	65	81
1.5	79	77	74	73	76	74	73	70	87
2.0	82	80	78	77	79	77	77	74	92
2.5	84	82	81	80	81	80	79	77	95
3.0	85	84	83	82	82	81	80	78	97
4.0	86	85	84	84	83	83	82	80	98
5.0	86	86	85	85	84	84	82	80	99

# Luminance curve limit



# UGR diagram

Corrected UGR values (at 2050 lm bare lamp luminous flux)											
Reflect.: ceiling walls work pl. Room dim x y		viewed crosswise					viewed endwise				
2H	2H	19.0	20.2	19.9	20.4	20.0	19.6	20.2	19.9	20.4	20.0
	3H	19.4	20.0	19.8	20.2	20.5	19.4	20.0	19.8	20.2	20.5
	4H	19.4	19.9	19.7	20.1	20.4	19.4	19.9	19.7	20.1	20.4
	6H	19.3	19.7	19.6	20.1	20.4	19.3	19.7	19.6	20.1	20.4
	8H	19.3	19.7	19.6	20.0	20.4	19.3	19.7	19.6	20.0	20.4
	12H	19.2	19.6	19.6	20.0	20.3	19.2	19.6	19.6	20.0	20.3
4H	2H	19.4	19.9	19.7	20.1	20.4	19.4	19.9	19.7	20.1	20.4
	3H	19.2	19.6	19.6	20.0	20.3	19.2	19.6	19.6	20.0	20.3
	4H	19.1	19.5	19.5	19.9	20.2	19.1	19.5	19.5	19.9	20.2
	6H	19.0	19.4	19.5	19.8	20.2	19.0	19.4	19.5	19.8	20.2
	8H	19.0	19.3	19.4	19.7	20.1	19.0	19.3	19.4	19.7	20.1
	12H	18.9	19.2	19.4	19.6	20.1	18.9	19.2	19.4	19.6	20.1
8H	4H	19.0	19.3	19.4	19.7	20.1	19.0	19.3	19.4	19.7	20.1
	6H	18.9	19.1	19.4	19.6	20.1	18.9	19.1	19.4	19.6	20.1
	8H	18.8	19.0	19.3	19.5	20.0	18.8	19.0	19.3	19.5	20.0
	12H	18.8	19.0	19.3	19.5	20.0	18.8	19.0	19.3	19.5	20.0
12H	4H	18.9	19.2	19.4	19.6	20.1	18.9	19.2	19.4	19.6	20.1
	6H	18.8	19.0	19.3	19.5	20.0	18.8	19.0	19.3	19.5	20.0
	8H	18.8	19.0	19.3	19.5	20.0	18.8	19.0	19.3	19.5	20.0
Variations with the observer position at spacing:											
S =		1.0H	4.7	/	-26.2		4.7	/	-26.2		
		1.5H	7.5	/	-31.2		7.5	/	-31.2		
		2.0H	9.5	/	-31.4		9.5	/	-31.4		