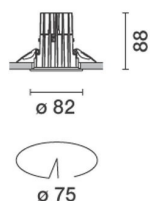
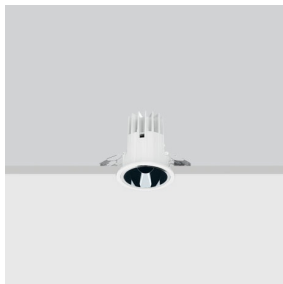


Last information update: October 2024

**Product configuration: P994**

P994: Fixed circular recessed luminaire - Ø 75 mm - warm white - flood optic - UGR&lt;19

**Product code**

P994: Fixed circular recessed luminaire - Ø 75 mm - warm white - 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 CRI90 (3,000K). General light emission, with controlled luminance UGR<19 1500 cd/m<sup>2</sup> 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.

**Colour**

White / Aluminium (39)

**Mounting**

ceiling recessed

**Wiring**

product complete with 1-10v components

Complies with EN60598-1 and pertinent regulations



IP20

IP54

On the visible part of  
the product once installed**Technical data**

lm system:	895	CRI (minimum):	90
W system:	10.7	Colour temperature [K]:	3000
lm source:	1150	MacAdam Step:	2
W source:	8.4	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	83.7	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.) [%]:	78	Number of optical assemblies:	1
Beam angle [°]:	28°	Control:	1-10V

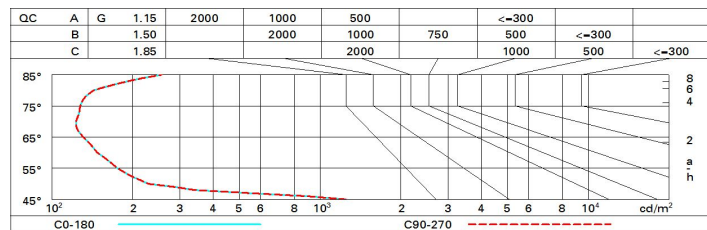
**Polar**

Imax=2650 cd		CIE		Lux			
	90°	nL 0.78	100-100-100-100-78	h	d	Em	Emax
	180°	UGR 11.5-11.5	DIN A 61	2	1	533	662
	90°	UTE 0.78A+0.00T	F*1=996	4	2	133	166
	0°	F*1+F*2=1000	F*1+F*2+F*3=1000	6	3	59	74
	α=28°	CIBSE LG3 L<1500 cd/m² at 65°	UGR<16   L<1500 cd/mq @ 65°	8	4	33	41

# Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	70	67	64	62	66	64	63	61	78
1.0	73	70	68	66	69	67	67	64	83
1.5	77	75	73	71	74	72	71	69	89
2.0	79	78	76	75	76	75	74	72	93
2.5	81	79	78	78	78	77	77	74	96
3.0	82	81	80	79	80	79	78	76	98
4.0	83	82	82	81	81	80	79	77	99
5.0	83	83	82	82	81	81	80	78	100

# Luminance curve limit



# UGR diagram

Corrected UGR values (at 1150 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	12.5	14.4	12.8	14.8	15.1	12.5	14.4	12.8	14.8	15.1
	3H	12.3	13.9	12.7	14.2	14.5	12.3	13.9	12.7	14.2	14.5
	4H	12.2	13.6	12.6	13.9	14.3	12.2	13.6	12.6	13.9	14.3
	6H	12.1	13.4	12.5	13.7	14.1	12.1	13.4	12.5	13.7	14.1
	8H	12.1	13.3	12.5	13.6	14.0	12.1	13.3	12.5	13.6	14.0
	12H	12.0	13.2	12.5	13.6	14.0	12.0	13.2	12.5	13.6	14.0
4H	2H	12.2	13.6	12.6	13.9	14.3	12.2	13.6	12.6	13.9	14.3
	3H	12.0	13.2	12.5	13.6	14.0	12.0	13.2	12.5	13.6	14.0
	4H	11.9	13.0	12.4	13.4	13.8	11.9	13.0	12.4	13.4	13.8
	6H	11.7	13.2	12.1	13.6	14.1	11.7	13.2	12.1	13.6	14.1
	8H	11.5	13.2	12.0	13.7	14.2	11.5	13.2	12.0	13.7	14.2
	12H	11.4	13.2	11.9	13.7	14.2	11.4	13.2	11.9	13.7	14.2
8H	4H	11.5	13.2	12.0	13.7	14.2	11.5	13.2	12.0	13.7	14.2
	6H	11.4	13.1	11.9	13.6	14.1	11.4	13.1	11.9	13.6	14.1
	8H	11.3	12.9	11.9	13.4	13.9	11.3	12.9	11.9	13.4	13.9
	12H	11.5	12.5	12.0	13.0	13.5	11.5	12.5	12.0	13.0	13.5
12H	4H	11.4	13.2	11.9	13.7	14.2	11.4	13.2	11.9	13.7	14.2
	6H	11.3	12.9	11.9	13.4	13.9	11.3	12.9	11.9	13.4	13.9
	8H	11.5	12.5	12.0	13.0	13.5	11.5	12.5	12.0	13.0	13.5
Variations with the observer position at spacing:											
S =	1.0H	6.3 / -21.8					6.3 / -21.8				
	1.5H	9.1 / -22.1					9.1 / -22.1				
	2.0H	11.1 / -22.3					11.1 / -22.3				