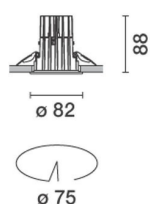
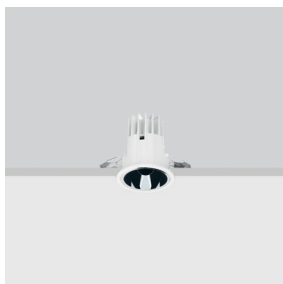


Last information update: October 2024

Product configuration: P992

P992: Fixed circular recessed luminaire - Ø 75 mm - Netural white - flood optic - UGR<19

**Product code**

P992: Fixed circular recessed luminaire - Ø 75 mm - Netural 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 Netural white colour tone CRI80 (4000K). 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.

Colour

White / Aluminium (39)

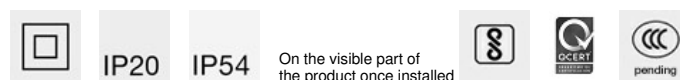
Mounting

ceiling recessed

Wiring

product complete with 1-10V components

Complies with EN60598-1 and pertinent regulations

**Technical data**

lm system:	1051	CRI (minimum):	80
W system:	10.7	Colour temperature [K]:	4000
lm source:	1350	MacAdam Step:	2
W source:	8.4	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	98.2	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

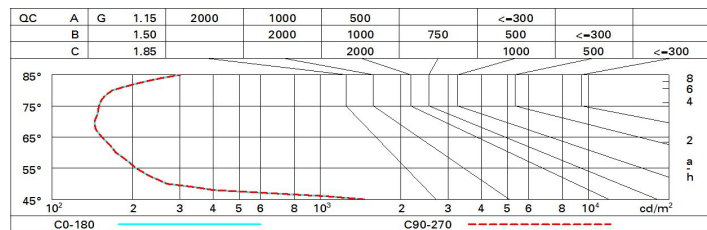
Polar

Imax=3111 cd		CIE nL 0.78 100-100-100-100-78 UGR 12.1-12.1 DIN A.61 UTE 0.78A+0.00T F*1=996 F*1+F*2=1000 F*1+F*2+F*3=1000 CIBSE LG3 L<1500 cd/m ² at 65° UGR<16 L<1500 cd/mq @ 65°	Lux			
90°	180°		h	d	Em	E _{max}
			2	1	626	778
			4	2	157	194
			6	3	70	86
			8	4	39	49
α=28°						

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 1350 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	13.0	15.0	13.4	15.3	15.0	13.0	15.0	13.4	15.3	15.0
	3H	12.8	14.4	13.2	14.7	15.1	12.8	14.4	13.2	14.7	15.1
	4H	12.8	14.2	13.2	14.5	14.8	12.8	14.2	13.1	14.5	14.8
	6H	12.7	13.9	13.1	14.3	14.6	12.7	13.9	13.1	14.3	14.6
	8H	12.6	13.8	13.0	14.2	14.6	12.6	13.8	13.0	14.2	14.6
	12H	12.6	13.8	13.0	14.1	14.5	12.6	13.8	13.0	14.1	14.5
4H	2H	12.8	14.2	13.1	14.5	14.8	12.8	14.2	13.2	14.5	14.8
	3H	12.6	13.8	13.0	14.1	14.5	12.6	13.8	13.0	14.1	14.5
	4H	12.5	13.6	12.9	14.0	14.4	12.5	13.6	12.9	14.0	14.4
	6H	12.2	13.7	12.7	14.2	14.6	12.2	13.7	12.7	14.2	14.6
	8H	12.1	13.6	12.6	14.3	14.7	12.1	13.6	12.6	14.3	14.7
	12H	12.0	13.8	12.5	14.3	14.8	12.0	13.8	12.5	14.3	14.8
8H	4H	12.1	13.8	12.6	14.3	14.7	12.1	13.8	12.6	14.3	14.7
	6H	11.9	13.6	12.4	14.1	14.7	11.9	13.6	12.4	14.1	14.7
	8H	11.9	13.5	12.4	13.9	14.5	11.9	13.5	12.4	13.9	14.5
	12H	12.1	13.0	12.6	13.5	14.1	12.1	13.0	12.6	13.5	14.1
12H	4H	12.0	13.8	12.5	14.3	14.8	12.0	13.8	12.5	14.3	14.8
	6H	11.9	13.5	12.4	13.9	14.5	11.9	13.5	12.4	13.9	14.5
	8H	12.1	13.0	12.6	13.5	14.1	12.1	13.0	12.6	13.5	14.1
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				