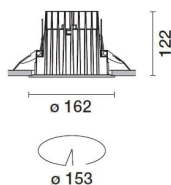
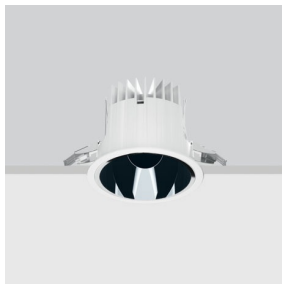


Last information update: March 2024

Product configuration: N007

N007: Fixed circular recessed luminaire - Ø153 mm - neutral white - wide flood optic - UGR<19

**Product code**N007: Fixed circular recessed luminaire - Ø153 mm - neutral white - wide flood optic - UGR<19 **Attention! Code no longer in production****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 neutral white colour tone (4,000K). General light emission, with controlled luminance UGR<19 1500 cd/m² α>65° wide flood optic.

Installation

Recessed using torsion springs which allow easy installation in false ceilings with thickness ranging from 1 mm to 25 mm.

Colour

White / Aluminium (39)

Weight (Kg)

1.22

Mounting

ceiling recessed

Wiring

product complete with an electronic ballast

Complies with EN60598-1 and pertinent regulations

**Technical data**

lm system:	2571	CRI (minimum):	80
W system:	23.7	Colour temperature [K]:	4000
lm source:	3100	MacAdam Step:	2
W source:	21	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	108.5	Ballast losses [W]:	2.7
lm in emergency mode:	-	Lamp code:	LED
Total light flux at or above an angle of 90° [Lm]:	0	Number of lamps for optical assembly:	1
Light Output Ratio (L.O.R.) [%]:	83	ZVEI Code:	LED
Beam angle [°]:	52°	Number of optical assemblies:	1

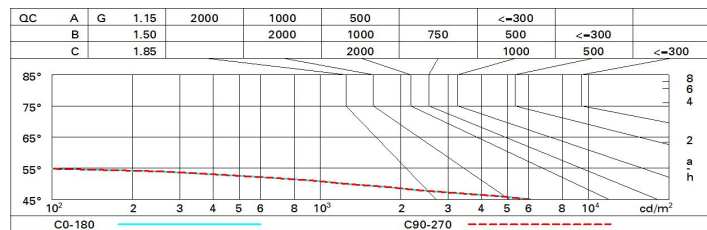
Polar

		CIE nL 0.83 98-100-100-100-83 UGR 16.3-16.3 DIN A.61 UTE 0.83A+0.00T F*1=982 F*1+F*2=1000 F*1+F*2+F*3=1000 CIBSE LG3 L<1500 cd/m ² at 65° UGR<19 L<1500 cd/mq @ 65°		Lux			
h	d	Em	E _{max}				
2	2	685	903				
4	3.9	171	226				
6	5.9	76	100				
8	7.8	43	56				

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	74	70	68	65	70	67	67	64	77
1.0	78	74	72	70	73	71	71	68	82
1.5	82	79	77	75	78	76	75	73	88
2.0	84	82	81	79	81	80	79	77	92
2.5	86	84	83	82	83	82	81	79	95
3.0	87	86	85	84	85	84	83	81	97
4.0	88	87	87	86	86	85	84	82	99
5.0	89	88	87	87	87	86	85	83	100

Luminance curve limit



UGR diagram

Corrected UGR values (at 3100 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	16.9	17.5	17.2	17.8	18.0	16.9	17.5	17.2	17.8	18.0
	3H	16.8	17.3	17.1	17.6	17.9	16.8	17.3	17.1	17.6	17.9
	4H	16.7	17.2	17.0	17.5	17.8	16.7	17.2	17.0	17.5	17.8
	6H	16.6	17.1	17.0	17.4	17.7	16.6	17.1	17.0	17.4	17.7
	8H	16.6	17.0	16.9	17.4	17.7	16.6	17.0	16.9	17.4	17.7
	12H	16.5	17.0	16.9	17.3	17.7	16.5	17.0	16.9	17.3	17.7
4H	2H	16.7	17.2	17.0	17.5	17.8	16.7	17.2	17.0	17.5	17.8
	3H	16.5	17.0	16.9	17.3	17.7	16.5	17.0	16.9	17.3	17.7
	4H	16.4	16.8	16.8	17.2	17.6	16.4	16.8	16.8	17.2	17.6
	6H	16.4	16.7	16.8	17.1	17.5	16.4	16.7	16.8	17.1	17.5
	8H	16.3	16.6	16.8	17.0	17.5	16.3	16.6	16.8	17.0	17.5
	12H	16.3	16.5	16.7	17.0	17.4	16.3	16.5	16.7	17.0	17.4
8H	4H	16.3	16.6	16.8	17.0	17.5	16.3	16.6	16.8	17.0	17.5
	6H	16.2	16.5	16.7	16.9	17.4	16.2	16.5	16.7	16.9	17.4
	8H	16.2	16.4	16.7	16.8	17.3	16.2	16.4	16.7	16.8	17.3
	12H	16.1	16.3	16.6	16.8	17.3	16.1	16.3	16.6	16.8	17.3
12H	4H	16.3	16.5	16.7	17.0	17.4	16.3	16.5	16.7	17.0	17.4
	6H	16.2	16.4	16.7	16.8	17.3	16.2	16.4	16.7	16.9	17.3
	8H	16.1	16.3	16.6	16.8	17.3	16.1	16.3	16.6	16.8	17.3
Variations with the observer position at spacing:											
S =	1.0H	5.1 / -29.8				5.1 / -29.8					
	1.5H	7.9 / -30.2				7.9 / -30.2					
	2.0H	9.9 / -30.4				9.9 / -30.4					