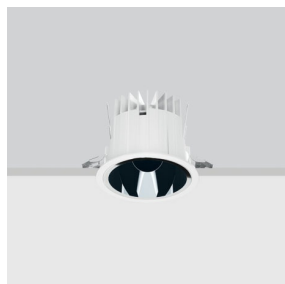


Product configuration: N233.Y

N233.Y: Fixed circular recessed luminaire - Ø125 mm - neutral white - flood optic - UGR<19



N233.Y: Fixed circular recessed luminaire - Ø125 mm - neutral white - flood optic - UGR<19

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° flood optic.

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

Colour	Weight (Kg)
White / Aluminium (39)	1.02

ceiling recessed

product complete with DALI components

TPb rated

Complies with EN60598-1 and pertinent regulations



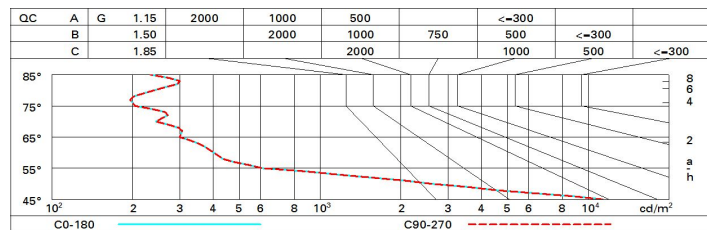
Im system:	3426	CRI (minimum):	80
W system:	30.4	Colour temperature [K]:	4000
Im source:	3900	MacAdam Step:	2
W source:	27	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	112.7	Lamp code:	LED
Im in emergency mode:	-	Number of lamps for optical assembly:	1
Total light flux at or above an angle of 90° [Lm]:	0	ZVEI Code:	LED
Light Output Ratio (L.O.R.) [%]:	88	Number of optical assemblies:	1
Beam angle [°]:	24°	Control:	DALI-2

	Imax=9275 cd CIE nL 0.88 98-100-100-100-88 UGR 19.2-19.2 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/m² at 65°	Lux		
	h	d	Em	Emax
	2	0.9	1752	2319
	4	1.7	438	580
	6	2.6	195	258
8	3.4	110	145	

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 3900 lm bare lamp luminous flux)											
Reflect.: ceiling/cav walls work pl. Room dim x y		viewed crosswise					viewed endwise				
2H	2H	19.8	20.4	20.1	20.7	20.9	19.8	20.4	20.1	20.7	20.9
	3H	19.7	20.2	20.0	20.5	20.8	19.7	20.2	20.0	20.5	20.8
	4H	19.6	20.1	19.9	20.4	20.7	19.6	20.1	19.9	20.4	20.7
	6H	19.5	20.0	19.9	20.3	20.6	19.5	20.0	19.9	20.3	20.6
	8H	19.5	19.9	19.8	20.3	20.6	19.5	19.9	19.8	20.3	20.6
	12H	19.4	19.9	19.8	20.2	20.6	19.4	19.9	19.8	20.2	20.6
4H	2H	19.6	20.1	19.9	20.4	20.7	19.6	20.1	19.9	20.4	20.7
	3H	19.4	19.9	19.8	20.2	20.6	19.4	19.9	19.8	20.2	20.6
	4H	19.3	19.7	19.7	20.1	20.5	19.3	19.7	19.7	20.1	20.5
	6H	19.2	19.6	19.7	20.0	20.4	19.2	19.6	19.7	20.0	20.4
	8H	19.2	19.5	19.6	19.9	20.4	19.2	19.5	19.6	19.9	20.4
	12H	19.2	19.4	19.6	19.9	20.3	19.2	19.4	19.6	19.9	20.3
8H	4H	19.2	19.5	19.6	19.9	20.4	19.2	19.5	19.6	19.9	20.4
	6H	19.1	19.4	19.6	19.8	20.3	19.1	19.4	19.6	19.8	20.3
	8H	19.1	19.3	19.5	19.8	20.3	19.1	19.3	19.5	19.8	20.3
	12H	19.0	19.2	19.5	19.7	20.2	19.0	19.2	19.5	19.7	20.2
12H	4H	19.2	19.4	19.6	19.9	20.3	19.2	19.4	19.6	19.9	20.3
	6H	19.1	19.3	19.5	19.8	20.3	19.1	19.3	19.5	19.8	20.3
	8H	19.0	19.2	19.5	19.7	20.2	19.0	19.2	19.5	19.7	20.2
Variations with the observer position at spacing:											
S =		1.0H					4.4 / -24.6				
		1.5H					7.2 / -25.8				
		2.0H					9.2 / -26.2				