Reflex

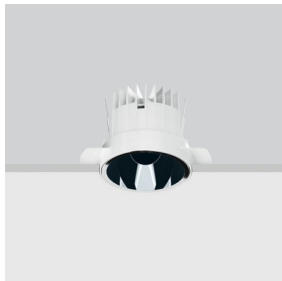**Design iGuzzini**   **iGuzzini**

Last information update: May 2024

Product configuration: N218+PA55.01
N218: Fixed circular recessed luminaire - Ø125 mm - neutral white - flood optic - UGR<19
PA55.01: Minimal flange - White

Product code
N218: Fixed circular recessed luminaire - Ø125 mm - neutral white - 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 without rim for mounting flush with ceiling. 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.

Installation
Installation flush with the ceiling is for false ceilings 12.5 mm thick

Colour	**Weight (Kg)**
Aluminium (12)	1.08

Mounting
ceiling recessed

Wiring
product complete with DALI components
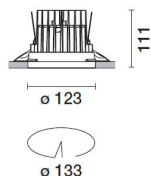
ø 123 | 111 | ø 133

Complies with EN60598-1 and pertinent regulations

IP20   IP43   On the visible part of the product once installed   CE

Accessory code
PA55.01: Minimal flange - White **Attention! Code no longer in production**

Technical description
Adapter for plasterboard false ceilings and rapid flush with ceiling installations, specifically for fixed and wall washer Reflex recessed luminaires. Made of plastic with a border for limiting plaster and holes for installation with screws and anchors suitable for plasterboard (included). Fastening the adapter to the installation surface does not require predefined panel thicknesses.

Installation
Preparation hole Ø 133 mm. Fastening the perforated perimeter rim to the installation surface (fixing screws included) - subsequent operations including filling, smoothing to the reference border and finishing - final insertion of the recessed luminaire (separate code) in the adapter.

Colour	**Weight (Kg)**
White (01)	0.06

Mounting
ceiling recessed

Complies with EN60598-1 and pertinent regulations

Technical data

lm system:	2679	CRI (minimum):	80
W system:	23.5	Colour temperature [K]:	4000
lm source:	3050	MacAdam Step:	2
W source:	21	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	114	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.) [%]:	88	Number of optical assemblies:	1
Beam angle [°]:	24°	Control:	DALI

Polar

Imax=7254 cd	CIE	Lux			
90° 180° 90°	nL 0.88	h	d	Em	Emax
	98-100-100-100-88				
	UGR 18.3-18.3	2	0.9	1370	1813
	DIN A.61				
7500	**UTE** 0.88A+0.00T	4	1.7	343	453
	F"1=978				
	F"1+F"2=999	6	2.6	152	201
0°	F"1+F"2+F"3=1000				
	CIBSE LG3 L<1500 cd/m² at 65°	8	3.4	86	113
α=24°	UGR<19 | L<1500 cd/mq @65°				

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

QC	A	G	1.15	2000	1000	500		<=300		
	B		1.50		2000	1000	750	500	<=300	
	C		1.85			2000		1000	500	<=300

C0-180 ——————   C90-270 - - - - - - -

UGR diagram

		Corrected UGR values (at 3050 lm bare lamp luminous flux)									
Riflect.:											
ceil/cav		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
walls		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30
work pl.		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Room dim				viewed					viewed		
x	y			crosswise					endwise		
2H	2H	18.9	19.6	19.2	19.8	20.1	18.9	19.6	19.2	19.8	20.1
	3H	18.8	19.4	19.1	19.7	19.9	18.8	19.4	19.1	19.7	19.9
	4H	18.7	19.3	19.1	19.6	19.9	18.7	19.3	19.1	19.6	19.9
	6H	18.6	19.1	19.0	19.5	19.8	18.6	19.1	19.0	19.5	19.8
	8H	18.6	19.1	19.0	19.4	19.8	18.6	19.1	19.0	19.4	19.8
	12H	18.6	19.0	18.9	19.4	19.7	18.6	19.0	18.9	19.4	19.7
4H	2H	18.7	19.3	19.1	19.6	19.9	18.7	19.3	19.1	19.6	19.9
	3H	18.6	19.0	18.9	19.4	19.7	18.6	19.0	18.9	19.4	19.7
	4H	18.5	18.9	18.9	19.3	19.6	18.5	18.9	18.9	19.3	19.6
	6H	18.4	18.8	18.8	19.1	19.6	18.4	18.8	18.8	19.1	19.6
	8H	18.3	18.7	18.8	19.1	19.5	18.3	18.7	18.8	19.1	19.5
	12H	18.3	18.6	18.8	19.0	19.5	18.3	18.6	18.8	19.0	19.5
8H	4H	18.3	18.7	18.8	19.1	19.5	18.3	18.7	18.8	19.1	19.5
	6H	18.3	18.5	18.7	19.0	19.4	18.3	18.5	18.7	19.0	19.4
	8H	18.2	18.4	18.7	18.9	19.4	18.2	18.4	18.7	18.9	19.4
	12H	18.2	18.4	18.7	18.8	19.4	18.2	18.4	18.7	18.8	19.4
12H	4H	18.3	18.6	18.8	19.0	19.5	18.3	18.6	18.8	19.0	19.5
	6H	18.2	18.4	18.7	18.9	19.4	18.2	18.4	18.7	18.9	19.4
	8H	18.2	18.4	18.7	18.8	19.4	18.2	18.4	18.7	18.8	19.4

Variations with the observer position at spacing:

S =			
1.0H	4.4 / -24.6	4.4 / -24.6	
1.5H	7.2 / -25.8	7.2 / -25.8	
2.0H	9.2 / -26.2	9.2 / -26.2	