Reflex
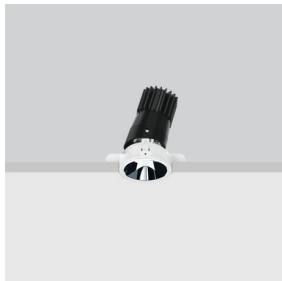
Last information update: May 2024

Product configuration: N026+PA52.01
N026: adjustable luminaire - Ø 75 mm - neutral white - flood optic - minimal
PA52.01: Minimal flange - White

Product code
N026: adjustable luminaire - Ø 75 mm - neutral white - flood optic - minimal **Attention! Code no longer in production**

Technical description
Round adjustable luminaire designed to use an LED lamp with C.O.B.technology in a neutral white colour tone 4000K. Version without rim for mounting flush with ceiling. Lower reflector vacuum-metallised with aluminium vapours with an anti-scratch protective layer. Anodised aluminium upper reflector. Black, zinc-plated sheet steel bracket. The luminaire can be rotated 30° relative to the horizontal plane and 358° about the vertical axis. The luminaire is fitted with mechanical locks for light beam aiming. Painted extruded aluminium dissipater.

Installation
Installation flush with the ceiling is for false ceilings 12.5 mm thick
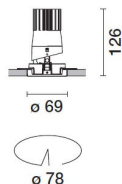
Colour	Weight (Kg)
Aluminium (12)	0.45

Mounting
ceiling recessed

Wiring
Product complete with electronic components

Complies with EN60598-1 and pertinent regulations

126
ø 69
ø 78

IP20 IP23 CE

Accessory code
PA52.01: Minimal flange - White **Attention! Code no longer in production**

Technical description
Adapter for plasterboard false ceilings and rapid flush with ceiling installations, specifically for adjustable 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 77 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)	0.05

Mounting
ceiling recessed

Complies with EN60598-1 and pertinent regulations

Technical data

lm system:	240	CRI (minimum):	80
W system:	9	Colour temperature [K]:	4000
lm source:	1000	MacAdam Step:	2
W source:	6.2	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	26.6	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.) [%]:	24	Number of optical assemblies:	1
Beam angle [°]:	30° / 31°		

Polar

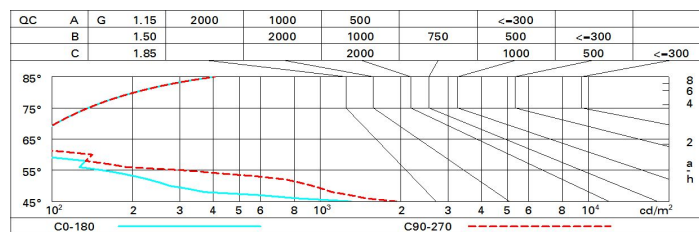| Imax=742 cd		C0-180	**CIE**	Lux				
90°	180°	90°	nL 0.24	h	d1	d2	Em	Emax
			99-100-100-100-24					
			UGR <10-<10	1	0.5	0.6	556	742
			DIN A.61					
750			**UTE** 0.24A+0.00T	2	1.1	1.1	139	185
			F"1=989					
			F"1+F"2=999	3	1.6	1.7	62	82
	0°		F"1+F"2+F"3=999					
			CIBSE LG3 L<1500 cd/m² at 65°	4	2.1	2.2	35	46
α=30° / 31°			UGR<10 I L<1500 cd/mq @65°					
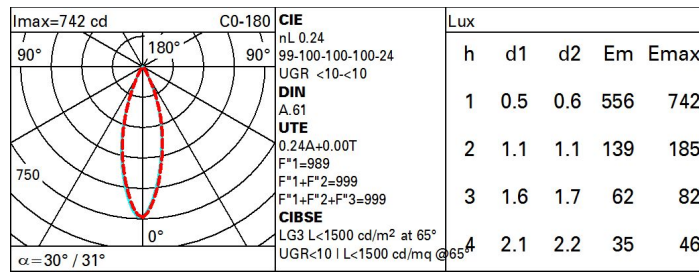
Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	22	20	20	19	20	19	19	19	78
1.0	23	22	21	20	21	21	20	20	82
1.5	24	23	22	22	23	22	22	21	88
2.0	24	24	23	23	24	23	23	22	93
2.5	25	24	24	24	24	24	24	23	95
3.0	25	25	25	24	24	24	24	23	97
4.0	25	25	25	25	25	25	24	24	99
5.0	26	25	25	25	25	25	25	24	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 1000 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 x y			viewed crosswise					viewed endwise		
2H 2H	7.3	7.8	7.5	8.0	8.3	8.0	8.6	8.3	8.8	9.0
3H	7.1	7.6	7.4	7.9	8.2	7.9	8.4	8.2	8.6	8.9
4H	7.1	7.5	7.4	7.8	8.1	7.8	8.3	8.1	8.6	8.9
6H	7.0	7.4	7.3	7.7	8.1	7.7	8.2	8.1	8.5	8.8
8H	7.0	7.4	7.3	7.7	8.0	7.7	8.1	8.0	8.4	8.8
12H	6.9	7.3	7.3	7.7	8.0	7.6	8.0	8.0	8.4	8.7
4H 2H	7.0	7.5	7.4	7.8	8.1	7.8	8.3	8.1	8.6	8.9
3H	6.9	7.3	7.3	7.6	8.0	7.6	8.1	8.0	8.4	8.7
4H	6.8	7.2	7.2	7.5	7.9	7.6	7.9	8.0	8.3	8.7
6H	6.8	7.1	7.2	7.5	7.9	7.5	7.8	7.9	8.2	8.6
8H	6.7	7.0	7.2	7.4	7.9	7.4	7.7	7.9	8.1	8.6
12H	6.7	7.0	7.2	7.4	7.9	7.4	7.6	7.8	8.1	8.5
8H 4H	6.7	7.0	7.1	7.4	7.8	7.5	7.7	7.9	8.2	8.6
6H	6.6	6.9	7.1	7.3	7.8	7.4	7.6	7.8	8.1	8.5
8H	6.6	6.8	7.1	7.3	7.8	7.3	7.5	7.8	8.0	8.5
12H	6.6	6.8	7.1	7.3	7.8	7.3	7.5	7.8	8.0	8.5
12H 4H	6.6	6.9	7.1	7.3	7.8	7.4	7.7	7.9	8.1	8.6
6H	6.6	6.8	7.1	7.3	7.8	7.4	7.6	7.8	8.0	8.5
8H	6.6	6.7	7.1	7.2	7.7	7.3	7.5	7.8	8.0	8.5

Variations with the observer position at spacing:

S =			
1.0H	5.3 / -10.2	4.8 / -10.3	
1.5H	8.1 / -10.5	7.6 / -11.2	
2.0H	10.1 / -10.7	9.6 / -11.4	