

Last information update: November 2024

**Product configuration: QN10+PA52.01**

QN10: Minimal adjustable recessed luminaire Ø 75 mm - Medium beam - DALI  
 PA52.01: Minimal flange - For recessed ø 75 mm version - White



**Product code**

QN10: Minimal adjustable recessed luminaire Ø 75 mm - Medium beam - DALI

**Technical description**

Round recessed luminaire for C.o.B. LED lamp. Adjustable light emission - circular rotation of 358° and 30° tilting relative to the horizontal plane. Version without rim for mounting flush with ceiling. Die-cast aluminium recessed structure for installation in a specific adapter with a separate code is available for false ceilings. This is indispensable for installing recessed luminaires. Removable anodised aluminium upper reflector. Fixed reflector vacuum-metallised with aluminium vapours with an anti-scratch protective layer. Black painted aluminium heat sink element. Black, zinc-plated steel support bracket. To facilitate and guarantee light aiming, the luminaire is fitted with mechanical locks for both rotation movements. DALI dimmable control gear unit included.

**Installation**

The luminaire is recessed in the adapter (PA52) by means of a steel wire spring, previously installed on the ceiling.

**Weight (Kg)**

0.35

**Mounting**

ceiling recessed

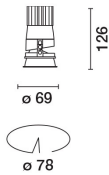
**Wiring**

Power line connections can be made on control gear terminal board included.

**Notes**

Tpa rated

Complies with EN60598-1 and pertinent regulations



**Accessory code**

PA52.01: Minimal flange - For recessed ø 75 mm version - 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**

White (01)

**Weight (Kg)**

0.05

**Mounting**

ceiling recessed

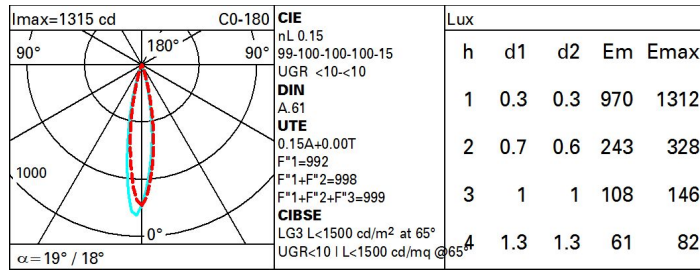
Complies with EN60598-1 and pertinent regulations

**Technical data**

lm system:	165	CRI (minimum):	90
W system:	11.1	Colour temperature [K]:	2700
lm source:	1100	MacAdam Step:	2
W source:	8.7	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	14.8	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.) [%]:	15	Number of optical assemblies:	1
Beam angle [°]:	19° / 18°	Control:	DALI



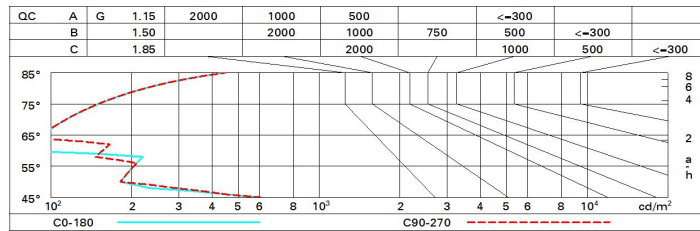
**Polar**



**Utilisation factors**

R	77	75	73	71	55	53	33	00	DRR
K0.8	13	13	12	12	13	12	12	12	78
1.0	14	13	13	13	13	13	13	12	82
1.5	15	14	14	14	14	14	14	13	88
2.0	15	15	15	14	15	14	14	14	93
2.5	16	15	15	15	15	15	15	14	95
3.0	16	16	15	15	15	15	15	15	97
4.0	16	16	16	16	15	15	15	15	99
5.0	16	16	16	16	16	16	15	15	100

**Luminance curve limit**



**UGR diagram**

Corrected UGR values (at 1100 lm bare lamp luminous flux)											
Reflect.:		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
ceiling/cav											
walls											
work pl.											
Room dim		viewed					viewed				
x	y	crosswise					endwise				
2H	2H	-1.2	0.9	-0.8	1.2	1.5	4.7	6.7	5.0	7.0	7.4
	3H	-1.2	0.2	-0.9	0.5	0.8	4.6	6.0	4.9	6.3	6.6
	4H	-1.2	-0.1	-0.8	0.3	0.6	4.5	5.6	4.9	6.0	6.3
	6H	-1.0	-0.2	-0.6	0.1	0.5	4.5	5.3	4.9	5.6	6.0
	8H	-0.9	-0.1	-0.5	0.3	0.6	4.4	5.3	4.8	5.6	6.0
	12H	-0.7	0.2	-0.3	0.5	0.9	4.4	5.3	4.8	5.6	6.0
4H	2H	-1.3	-0.2	-0.9	0.1	0.5	4.5	5.7	4.9	6.0	6.3
	3H	-1.3	-0.4	-0.9	-0.1	0.3	4.4	5.3	4.8	5.7	6.0
	4H	-1.3	-0.3	-0.9	0.1	0.5	4.3	5.2	4.7	5.6	6.0
	6H	-1.3	0.3	-0.9	0.8	1.2	3.9	5.6	4.4	6.0	6.5
	8H	-1.2	0.7	-0.7	1.1	1.6	3.8	5.7	4.3	6.1	6.6
	12H	-0.9	1.0	-0.4	1.5	2.0	3.7	5.6	4.2	6.1	6.6
8H	4H	-1.7	0.2	-1.2	0.6	1.1	3.9	5.8	4.4	6.2	6.7
	6H	-1.3	0.4	-0.8	0.9	1.4	3.8	5.5	4.4	6.0	6.6
	8H	-0.9	0.5	-0.4	1.0	1.5	3.9	5.3	4.4	5.8	6.3
	12H	-0.2	0.8	0.3	1.3	1.8	4.0	5.0	4.6	5.5	6.1
12H	4H	-1.8	0.1	-1.3	0.6	1.1	3.9	5.8	4.4	6.3	6.8
	6H	-1.2	0.2	-0.7	0.7	1.2	4.0	5.4	4.5	5.9	6.4
	8H	-0.7	0.3	-0.1	0.8	1.4	4.2	5.2	4.7	5.7	6.2
Variations with the observer position at spacing:											
S =	1.0H	3.2 / -2.5					8.1 / -6.6				
	1.5H	5.6 / -2.8					10.8 / -6.8				
	2.0H	7.4 / -3.0					12.8 / -7.1				