

Ecodesign and functionality

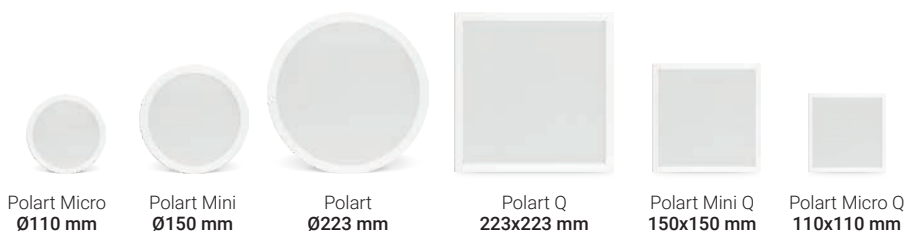
Downlights

Recessed downlights

Polart

Polart is the new LED downlights range of Normalit, a line inspired by the contemporary visual style in order to offer new aesthetic possibilities thanks to a minimalistic and ecological illumination concept.

Available in six versions



LED CE  

Ceiling recessed
mounted

Ceiling surface mounted
by accessories

NORMALIT

Technical and architectural lighting
normalit.com



Downlights

Recessed downlights

Polart

A downlight family with an attractive, sustainable design and multiple adaptation possibilities.



47 mm
Compact

Light and easy to install

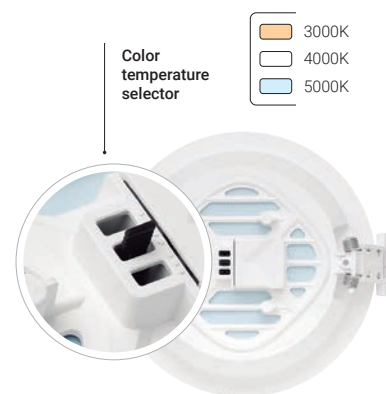
A compact and easy to install format with digital control technology by DALI or push buttons.



New diffuser with two positions

Dual position diffuser:
Flush or recessed.

Polart includes in specific models an advance system to integrate all the color temperatures of the range in one single product, with the possibility of selecting by just a switch located on top of the downlight.



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Available in:

salUZ®

PLEASE CONTACT US



Ceiling recessed mounted



Ceiling surface mounted with accessories



Expectancy
72000 h.
L80B10

○ RAL 9003

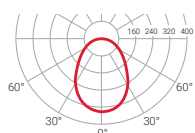
	Polart	Polart Mini	Polart Micro	Polart Q	Polart Mini Q	Polart Micro Q
Installation	Ceiling recessed mounted Ceiling surface mounted	Ceiling recessed mounted Ceiling surface mounted	Ceiling recessed mounted Ceiling surface mounted	Ceiling recessed mounted Ceiling surface mounted	Ceiling recessed mounted Ceiling surface mounted	Ceiling recessed mounted Ceiling surface mounted
Diffuser	○	○	○	○	○	○
Light source	LED	LED	LED	LED	LED	LED
Photobiological safety	0	0	0	0	0	0
UGR	22	22	22	22	22	22
CRI	>80	>80	>80	>80	>80	>80
MacAdam ellipse	3	3	3	3	3	3
Beam angle range	114	114	114	114	114	114
Power range (W)	18	9	4	17	9	4
Colour temperature (°K)	3000 4000 5000	3000 4000 5000	3000 4000 5000	3000 4000 5000	3000 4000 5000	3000 4000 5000
Light range (Lm)	2613-2790	1330-1420	637-680	2613-2790	1330-1420	637-680
Power factor	0,95	0,95	0,95	0,95	0,95	0,95
Efficiency (%)	74,1	72,6	71,7	79	67,8	71,4
Expectancy	72.000 h L80B10	72.000 h L80B10	72.000 h L80B10	72.000 h L80B10	72.000 h L80B10	72.000 h L80B10
DALI Option	✓	✓	✓	✓	✓	✓
Continuous function 24h	✓	✓	✓	✓	✓	✓
IP	52	52	52	52	52	52
Class	II	II	II	II	II	II
Cut out range (mm)	Ø200-218	Ø129-145	Ø95-105	200x200-218x218	129x129-145x145	95x95-105x105
Energy efficiency	C	C-B	C-B	C	C-B	C-B

○ Opal diffuser

Photobiological safety

RG0	0 Risk free
RG1*	Low risk
RG2	Moderate risk
RG3	High risk

*Time under 3 h.



— C0-C180
— C90-C270



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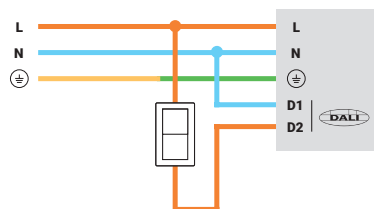
Polart allows two types of systems of digital control through DALI devices or push buttons, simplifying the installation, the regulation and the experience of the user.

DIGITAL REGULATION WITH PUSH BUTTON

Push button functioning:

A short press turns the light on or off.

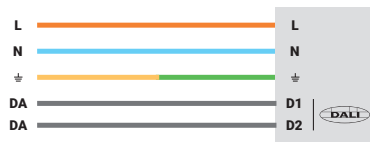
A continuous press adjust the lumen output.



DIGITAL DALI REGULATION

DALI Network:

DALI devices are connected with a single bus wire and are identified with unique addresses, so they can be assigned to groups or scenes with a simple programming.



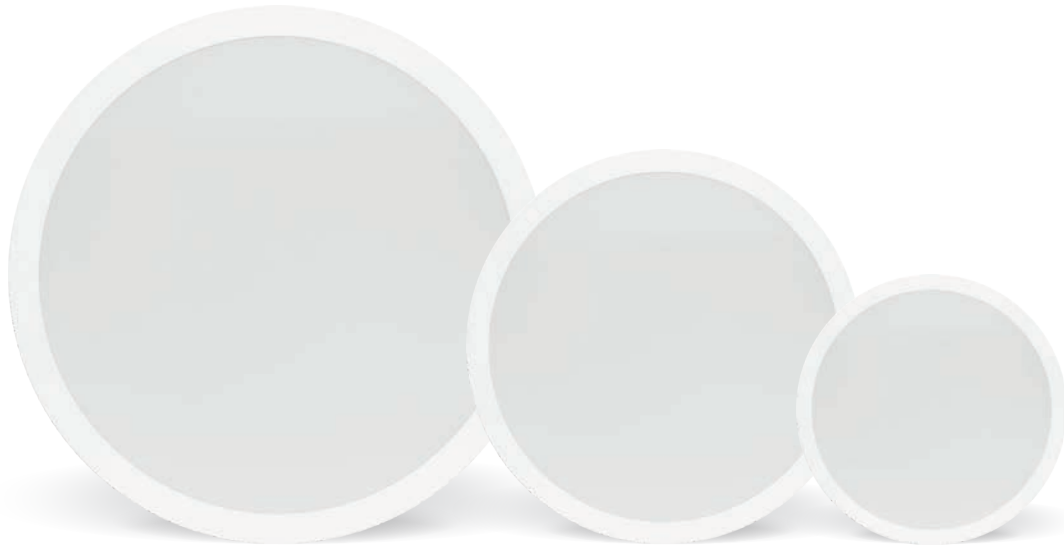
DALI protocol features:

- Maximum number of fittings per line: 64
- Maximum distance: 300 meters
- 2 x 1,5 mm² wire
- No polarity
- Star or tree connections are allowed.
- Closed loops are not allowed.
- Maximum number of DALI groups (per line): 16
- Maximum number of DALI scenes (per line) : 16



Polart

IP 52	CRI >80	UGR 22	○ RAL9003
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Polart

	W	K	LUMEN				W	K	LUMEN			
PO23B	18 W	3000	2613 lm	○	PO23DB		Color temperature selector					
PO24B	18 W	4000	2750 lm	○	PO24DB		PO2XB	18 W	3000-4000-5000	2750 lm	○	PO2XDB
PO25B	18 W	5000	2790 lm	○	PO25DB							

Polart Mini

	W	K	LUMEN				W	K	LUMEN			
PM13B	9 W	3000	1330 lm	○	PM13DB		Color temperature selector					
PM14B	9 W	4000	1400 lm	○	PM14DB		PM1XB	9 W	3000-4000-5000	1400 lm	○	PM1XDB
PM15B	9 W	5000	1420 lm	○	PM15DB							

Polart Micro

	W	K	LUMEN				W	K	LUMEN			
PP03B	4 W	3000	637 lm	○	PP03DB		Color temperature selector					
PP04B	4 W	4000	670 lm	○	PP04DB		PP0XB	4 W	3000-4000-5000	670 lm	○	PP0XDB
PP05B	4 W	5000	680 lm	○	PP05DB							



Polart Q

IP 52	CRI >80	UGR 22	<input type="radio"/> RAL9003
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Polart Q

	W	K	LUMEN		
POQ23B	17 W	3000	2613 lm	<input type="radio"/>	POQ23DB
POQ24B	17 W	4000	2750 lm	<input type="radio"/>	POQ24DB
POQ25B	17 W	5000	2790 lm	<input type="radio"/>	POQ25DB

	W	K	LUMEN		
Color temperature selector					
POQ2XB	17 W	3000-4000-5000	2750 lm	<input type="radio"/>	POQ2XDB

Polart Mini Q

	W	K	LUMEN		
PMQ13B	9 W	3000	1330 lm	<input type="radio"/>	PMQ13DB
PMQ14B	9 W	4000	1400 lm	<input type="radio"/>	PMQ14DB
PMQ15B	9 W	5000	1420 lm	<input type="radio"/>	PMQ15DB

	W	K	LUMEN		
Color temperature selector					
PMQ1XB	9 W	3000-4000-5000	1400 lm	<input type="radio"/>	PMQ1XDB

Polart Micro Q

	W	K	LUMEN		
PPQ03B	4 W	3000	637 lm	<input type="radio"/>	PPQ03DB
PPQ04B	4 W	4000	670 lm	<input type="radio"/>	PPQ04DB
PPQ05B	4 W	5000	680 lm	<input type="radio"/>	PPQ05DB

	W	K	LUMEN		
Color temperature selector					
PPQ0XB	4 W	3000-4000-5000	670 lm	<input type="radio"/>	PPQ0XDB



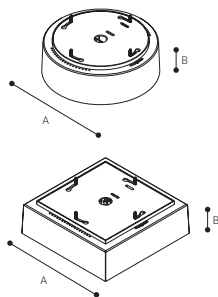
Recessed downlights

Polart Polart Q

ACCESSORIES

Ceiling surface mounted accessory

POSB	Surface Polart
PMSB	Surface Polart mini
PPSB	Surface Polart Micro
POQSB	Surface Polart Q
PMQSB	Surface Polart Mini Q
PPQSB	Surface Polart Micro Q



	A	B
Polart / Polart Q	226	75
Polart Mini / Polart Mini Q	153	84
Polart Micro / Polart Micro Q	113	84

 **NOT COMPATIBLE
WITH DALI FITTINGS**

Ceiling surface mounted
by accessories



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100%

*Entirely designed and
manufactured in Spain*

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