



LED

Norms: EN 60598-1, EN 60598-2-2



PRODUCT DESCRIPTION

Areas of Application: Commercial and Business areas, Public buildings, Housing, Offices, Hotel and Restaurant services, Art and Culture spaces.

Mounting: Ceiling recessed.

Light Distribution: Direct.

Light Source: LED 4000K, CRI>90, 50.000h life (@L80, B10, Ta 25 C).

Control Gear: LED driver, 220-240VAC-50/60Hz.

Materials: Body: Aluminium.

Surface Finish: Powder coated.

PB - Polished aluminium reflector | 25° Beam angle

LED	UGR	W	Lm	mA	V	Lm/W	η(%)	AxB (mm)	Ø	Kg	HF	DALI
	≤10	9	1000	205	33	104	94	Ø136x121	Ø105	0,4	90019.L109.E0025	90019.L109.H0025
	≤10	14	1500	325	34	103	93	Ø136x121	Ø105	0,5	90019.L111.E0025	90019.L111.H0025

PB - Polished aluminium reflector | 35° Beam angle

LED	UGR	W	Lm	mA	V	Lm/W	η(%)	AxB (mm)	Ø	Kg	HF	DALI
	≤16	9	1000	205	33	101	91	Ø136x111	Ø105	0,4	90019.L109.E0035	90019.L109.H0035
	≤16	14	1500	325	34	100	90	Ø136x111	Ø105	0,5	90019.L111.E0035	90019.L111.H0035

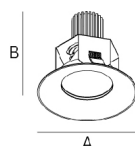
PB - Polished aluminium reflector | 60° Beam angle

LED	UGR	W	Lm	mA	V	Lm/W	η(%)	AxB (mm)	Ø	Kg	HF	DALI
	≤19	9	1000	205	33	101	91	Ø136x101	Ø105	0,4	90019.L109.E0060	90019.L109.H0060
	≤19	14	1500	325	34	102	92	Ø136x101	Ø105	0,5	90019.L111.E0060	90019.L111.H0060

COLOUR / FINISH

Code	Description
W	White
G	Grey
B	Black
• Other colours under request.	

DIMENSIONS



Example code for order: 90019.L111.H0060 (DALI) + W (COLOUR/FINISH) + 3000 + 902 (OPTIONS)

We reserve the right to make technical changes without prior notice.
Electrical/Optical data are subjected to a tolerance of +/-10%.

OPTIONS

Colour temperature



3000K

Order code
3000

Glass / Diffuser



Transparent glass
Opal glass
DAM - Microprismatic diffuser

Order code
902
903
904

Safety cable



Steel safety cable

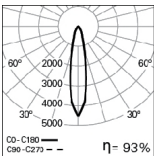
Order code
955000

Emergency unit

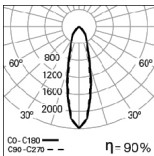


Option supplied under request.

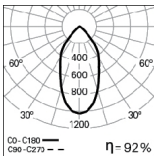
PHOTOMETRY



FESAL 14W
PB 4000K 25°



FESAL 14W
PB 4000K 35°



FESAL 14W
PB 4000K 60°

TO SPECIFY:

Circular LED recessed downlight. Body made of aluminium and high performance aluminum reflectors with beam angles of 25 , 35 or 60 . Standard total luminous flux of 1000 or 1500 lm, 4000K, CRI>90 and 50.000h lifetime (@L80, B10, Ta 25 C) and passive cooling of the LED through improved heat sink. Optional DALI dimmable driver, IP20/54 through 4mm opal or transparent tempered glass or microprismatic diffuser. Also available as 3000K. For ceiling thicknesses of 1 to 20mm. - as Indelague FESAL

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