

## Echo Square 190

At 119 lm/W, the lumen package of the Echo Square LED luminaire alone is already enough to meet the requirements for an efficient downlight. But this luminaire takes efficiency even further. It is designed and constructed to enable quick and easy in-

stallation without tools, and perfect integration into the ceiling architecture. All of which can save you time, stress and money, while guaranteeing excellent, glare-free lighting. Now, if that's not efficient.

### FEATURES

- High-precision reflectors ensure glare-free lighting, UGR ≤ 19 (silver reflector)
- High luminous efficacy of up to 119 lm/W
- Streamlined design makes for perfect integration into ceiling architecture
- Quick and tool-free mounting
- IP20/IP44 from below in the case of closed ceilings
- Silver or white reflector
- Colour Rendering Index (CRI):  $R_a \geq 90$

### TECHNICAL DATA

System power	24 W
Luminous flux of luminaire	2500 lm, 2600 lm, 2750 lm, 2850 lm
Colour temperature	4000 K, 3000 K
Colour Rendering Index (CRI)	$R_a \geq 90$
Maintained luminous flux	L80 50'000 h
Protection class	I
Ingress Protection	IP20/IP44

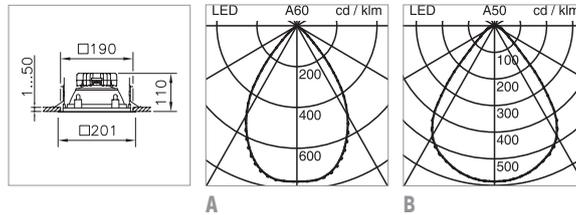
### SPECIFICATIONS

- DALI
- Recessed depth only 110 mm
- Die-cast aluminium frame, white
- Further RAL colours upon request
- Beam angle: flood
- With ceiling trim
- Operating unit included in delivery
- Embedding housing available

### APPLICATION AREAS

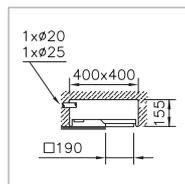
**Retail & Hospitality:** retail spaces, presentation of merchandise / key locations, restaurants, hotels, art & culture establishments





### RECESSED DOWNLIGHT ECHO SQUARE 190 LED

System power	Luminous flux of luminaire	Reflector	Colour temperature	Light control	Notes	Ref. n°
24 W	2850 lm	silver	4000K	DALI		A 2001.0861
24 W	2750 lm	silver	3000K	DALI		A 2001.0858
24 W	2850 lm	silver	4000K	DALI	with emergency unit	A 2001.0873
24 W	2750 lm	silver	3000K	DALI	with emergency unit	A 2001.0871
24 W	2600 lm	white	4000K	DALI		B 2001.0867
24 W	2500 lm	white	3000K	DALI		B 2001.0864
24 W	2600 lm	white	4000K	DALI	with emergency unit	B 2001.0878
24 W	2500 lm	white	3000K	DALI	with emergency unit	B 2001.0876



### EMBEDDING HOUSING ECHO SQUARE 190 LED

Notes	Ref. n°
in steel, sendzimizid	200.0871