

# INTO 600

recessed

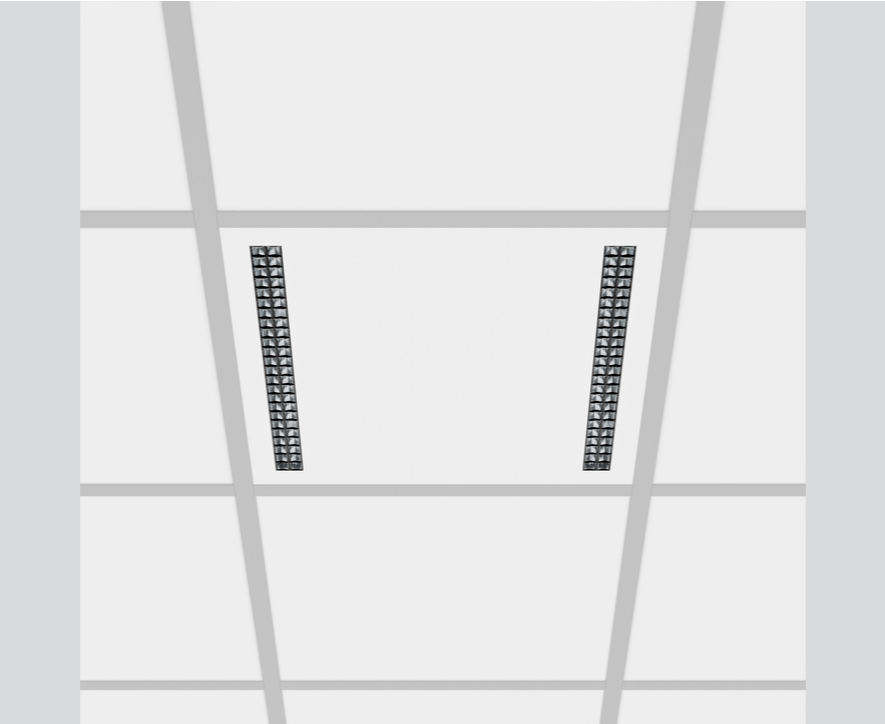
064-5100137BX



Project / Type

Notes

Count / Date



### General

Ceiling , Recessed

Traffic White , RAL 9016 <sup>1</sup>

Reflector Black

IP20

2830 lm

### LED

4000 K

CRI ≥ 90

L90 / 50000 h

initial MacAdam ≤ 3 SDCM

R<sub>g</sub>: 99 , R<sub>f</sub>: 92 , R<sub>i(1-15)</sub>: 90

MR 0.81

MDER 0.74

### Optical

super wide flood

UGR ≤ 19 , ≥65° <1500 cd/m<sup>2</sup>

PstLM ≤ 1.0 <sup>2</sup>

SVM ≤ 0.4 <sup>2</sup>

### Electrical

DALI-2

220-240 V

system 20.0 W

system 142 lm/W<sup>3</sup>

PC2

1 DALI Addr.

### Physical

length 600 mm

width 600 mm

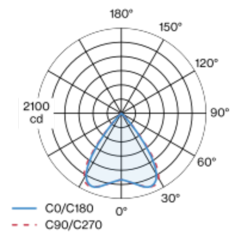
height 15 mm

### Cutout

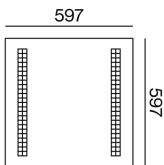
recessed depth 15 mm

Square lay-in luminaire made of sheet steel; for modular ceilings 600 x 600 with visible grid system; surface Traffic White powder coated; two linear light insets made of plastic; high quality reflector with micro-faceted, aluminum-vaporised surface; Reflector Black; precise radiation characteristic with symmetrical light distribution; exchangeable light insets; UGR ≤ 19; VDU compatible workplace luminaire according to DIN EN 12464-1; luminance above 65° ≤ 1500 cd/m<sup>2</sup>; light colour 4000 K; binning initial MacAdam ≤ 3 SDCM; CRI ≥ 90; min. 90% of luminous flux after 50000 operating hours; energy efficient LEDs with high CRI; degree of protection IP20; PC2; 220-240 V; incl. DALI-2 converter; converter suitable for through-wiring; plug and play connection cables between light insets and converter with plug/socket system; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;

### Light distribution



### Product drawing



<sup>1</sup> RAL code <sup>2</sup> Value of containing product at full load (undimmed)  
<sup>3</sup> incl. consideration of optical losses, internal control unit losses & operating device efficiency

### Installation instructions



### Lighting calculator



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## Maintenance Factors

Operating Time [h]	10 000	20 000	30 000	40 000	50 000
LLMF	0.98	0.96	0.94	0.92	0.9
LSF	1	1	1	1	1
MF	LMF × RSMF × LLMF × LSF		RSMF <sup>a</sup>	Room Surface Maintenance Factor	
MF	Maintenance Factor		LLMF	Lamp Lumens Maintenance Factor	
LMF <sup>a</sup>	Luminaire Maintenance Factor		LSF	Lamp Survival Factor	

<sup>a</sup> According to "CIE 97, Maintenance of indoor electric lighting systems", 2005, ISBN 3-900-734-34-8. The values must be determined by the planner.

## Circuit Breaker Types

Automatic Circuit Breaker Type	Number of Fixtures
B10	37
B16	60
C10	37
C16	60

