

# FLOW 450

surface

073-0141517O



Project / Type

Notes

Count / Date



Square light fitting made of aluminium; flat design (luminaire housing 35mm); surface white powder coated; suitable for wall or ceiling mounting; luminaire housing set 11mm away from wall or ceiling; convenient quick mounting system without tools; direct light distribution by LGP body (Light Guiding Prism); side coupled light directed downwards by laser engraving; light control via highly reflective reflector material; completely homogeneously illuminated, satin PMMA cover; same luminance for all size versions; light colour 3000 K; binning initial MacAdam  $\leq 3$  SDCM; CRI  $\geq 80$ ; min. 90% of luminous flux after 50000 operating hours; energy efficient LEDs with high CRI; luminaire with 2 cable openings and plug-in terminal for through wiring; degree of protection IP40; PC1 220-240V; photobiological safety according to IEC 62471 risk group RG 0 - no Risk; internal wiring in light halogen free; incl. converter, non dimmable; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;

IP 40

220-240V

X-PERT

X-PERT

### General

Ceiling / Wall , Surface

white , RAL9010 <sup>1</sup>

IP40

3250 lm

### LED

3000 K

CRI  $\geq 80$

L90 / 50000 h

photobio. safety RG 0 - no Risk

initial MacAdam  $\leq 3$  SDCM

MR 0.54

MDER 0.49

### Optical

Opal

PstLM  $\leq 1.0$  <sup>2</sup>

### Electrical

non DIM

23.9 W

PC1 220-240V

136 lm/W

### Physical

length 441 mm

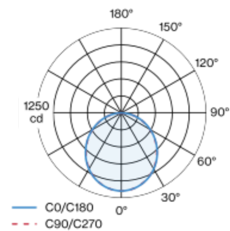
width 441 mm

height 46 mm

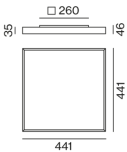
4.7 kg

<sup>1</sup> RAL code <sup>2</sup> Value of containing product at full load (undimmed)

### Light distribution



### Product drawing



### Installation instructions



# FLOW 450

surface

073-01415170



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## Maintenance Factors

| Operating Time [h] | 10 000 | 20 000 | 30 000 | 40 000 | 50 000 |
|--------------------|--------|--------|--------|--------|--------|
| LLMF               | 0.98   | 0.95   | 0.93   | 0.91   | 0.9    |
| LSF                | 1      | 1      | 1      | 1      | 1      |

MF

MF

LMF<sup>a</sup>

LMF × RSMF × LLMF × LSF

Maintenance Factor

Luminaire Maintenance Factor

RSMF<sup>a</sup>

LLMF

LSF

Room Surface Maintenance Factor

Lamp Lumens Maintenance Factor

Lamp Survival Faktor

<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                            | 25                 |
| B13                            | 32                 |
| B16                            | 39                 |
| B20                            | 49                 |
| C10                            | 41                 |
| C13                            | 53                 |
| C16                            | 65                 |
| C20                            | 81                 |

## Other accessories

### DISMOUNTING TOOL

ARTICLE NUMBER(S)

073-0100000

