

# FRAME 60 high lumen

trim

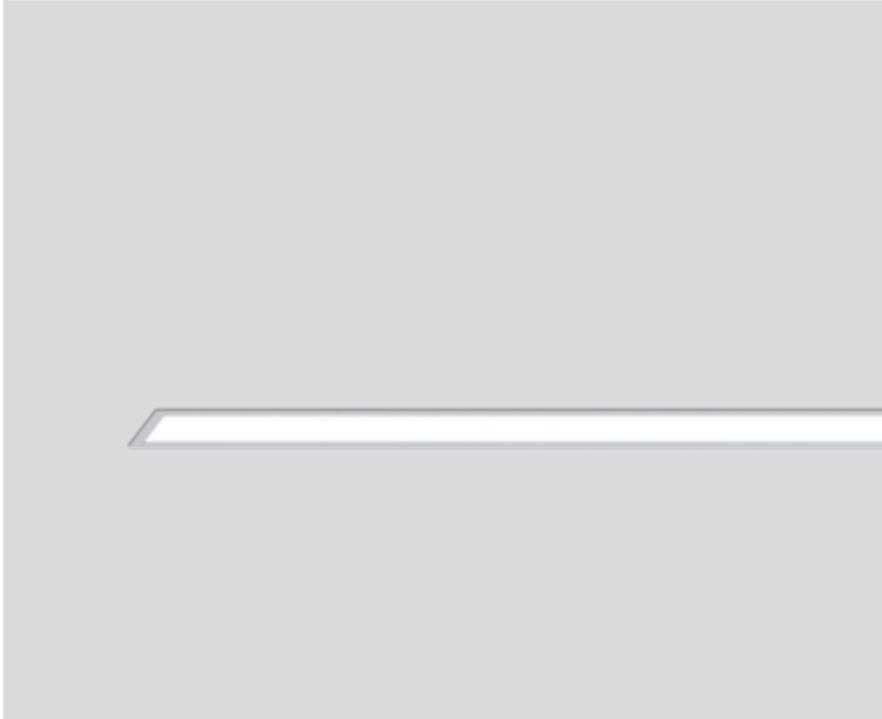
052-4738D3GH



Project / Type

Notes

Count / Date



## General

Ceiling | Recessed

grey | RAL 9006 <sup>1</sup>

IP20

6020 lm

2570 lm/m

## LED

tunable white | 2700 K - 6500 K

CRI  $\geq$  80

L90 / 50000 h

initial MacAdam  $\leq$  3 SDCM

MR 0.48 | MDER 0.44

## Optical

High Performance Opal | opal (lambertsch)

PstLM  $\leq$  1.0 <sup>2</sup> | SVM  $\leq$  0.4 <sup>2</sup>

## Electrical

DALI-2 DT8 | 1 DALI Addr.

PC1 | 220-240 V

system 49 W

system 123 lm/W <sup>3</sup>

21 W/m

## Physical

length 2365 mm | width 77 mm | height 78 mm

5.5 kg

## Cutout

length 2355 mm | width 66 mm

min. ceiling thickness 8 mm | max. ceiling thickness 25 mm

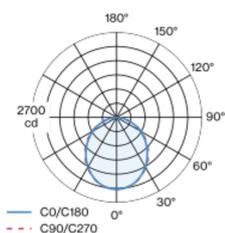
recessed depth 104 mm

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

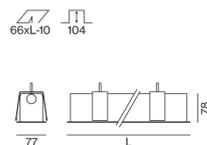
<sup>3</sup> incl. consideration of optical losses, internal control unit losses & operating device efficiency

Luminaire housing made of extruded aluminium profile; recessed light with wrap around edge; suitable for ceiling thickness of 8-25 mm; surface grey powder coated; lighting profile (end cover and mounting bracket pre-assembled) available in advance for installation; remaining lamp components mounted without tools; LED light inset consisting of highly reflective lacquered aluminium for improved thermal management; light colour: tunable white diodes (2700-6500 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; HPO (High Performance Opal) cover for uniform illumination; degree of protection IP20; PC1; 220-240 V; internal wiring in light halogen free; incl. DALI-2 / DT8 converter; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;

## Light distribution



## Product drawing



## 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	9
B13	12
B16	15
B20	19
C10	15
C13	20
C16	25
C20	32

## Mounting accessories

### CONCRETE INSTALLATION HOUSING

L·W·H (MM)  
2407·75·88

ARTICLE NUMBER(S)  
035-04236

