

# FRAME 60 high lumen

trim system

007-93M3117 006-16092H 035-0093G



Project / Type	
Notes	
Count / Date	



## General

Ceiling , Recessed	
grey , RAL 9006 <sup>1</sup>	
IP20	
1930 lm	
2210 lm/m	

## LED

4000 K	
CRI ≥ 90	
L90 / 50000 h	
initial MacAdam ≤ 3 SDCM	
R <sub>g</sub> : 99 , R <sub>r</sub> : 92 , R <sub>t(1-15)</sub> : 90	
MR 0.81	
MDER 0.74	

## Optical

High Performance Opal	
opal (lambertsch)	
PstLM ≤ 1.0 <sup>2</sup>	
SVM ≤ 0.4 <sup>2</sup>	

## Electrical

non DIM	
220-240 V	
system 17.5 W	
system 110 lm/W <sup>3</sup>	
PC1	
20 W/m	

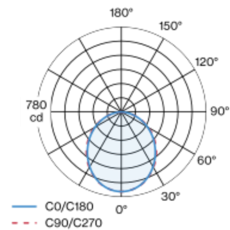
## Physical

trim	
length 872 mm	
width 77 mm	
height 78 mm	
2.14 kg	

## Cutout

length 888 mm	
width 66 mm	
min. ceiling thickness 8 mm	
max. ceiling thickness 25 mm	
recessed depth 108 mm	

## 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 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	9
B13	13
B16	15
B20	18
C10	18
C13	26
C16	30
C20	36

## Components

### LIGHT OPTIC COVER

TYPE	ARTICLE NUMBER(S)
opal high performance	006-16092H

### INSTALLATION CHANNEL

COLOUR	L-W-H (MM)	ARTICLE NUMBER(S)
white aluminium	872-77-76	035-0093G

## Mounting accessories

### END CAPS

TYPE	COLOUR	ARTICLE NUMBER(S)
1 pair	traffic white	035-13137
1 pair	white aluminium	035-1313G

## Mounting accessories

### LINEAR CONNECTOR

TYPE	ARTICLE NUMBER(S)
1 piece	005-40046
10 pieces	005-40046.10

### OPAL COVER LINEAR CONNECTOR

ARTICLE NUMBER(S)
006-14000



[007-93M3117 006-16092H 035-0093G] The technical data represent rated values for an ambient temperature of 25°C. The data values for the luminous flux are initially subject to a tolerance of +/- 10%, those for the electrical connected load are initially subject to a tolerance of +/- 10%, and those for the colour temperature are initially subject to a tolerance of +/- 150 K. No liability is assumed for typographical or printing errors. The general terms and conditions of XAL GmbH apply.  
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06.04.2025

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### MOUNTING BRACKET

TYPE	ARTICLE NUMBER(S)
1 piece	035-10200
25 pieces	035-10200.25



## Electrical accessories

### THROUGH WIRE

TYPE	ARTICLE NUMBER(S)
3 x 1,5 mm <sup>2</sup>   10 pieces	004-90003
5 x 1,5 mm <sup>2</sup>   10 pieces	004-90005

