

FRAME 60 high lumen

trim system

007-93M5037 006-16152H 035-01537



Project / Type

Notes

Count / Date



General

Ceiling | Recessed
traffic white | RAL 9016
IP20
2980 lm
2020 lm/m

LED

3000 K
CRI \geq 90
L90 / 50000 h
initial MacAdam \leq 3 SDCM
R_g: 99 | R_f: 91 | R_{f(1-15)}: 89
MR 0.61 | MDER 0.55

Optical

High Performance Opal | opal (lambertsch)
PstLM \leq 1.0¹ | SVM \leq 0.4¹

Electrical

DALI-2 | 1 DALI Addr.
PC1 | 220-240 V
system 29.1 W
system 102 lm/W²
20 W/m

Physical

trim
length 1472 mm | width 77 mm | height 78 mm
3.4 kg

Cutout

length 1488 mm | width 66 mm
min. ceiling thickness 8 mm | max. ceiling
thickness 25 mm
recessed depth 108 mm

¹ Value of containing product at full load (undimmed)

² incl. consideration of optical losses, internal control unit losses & operating device efficiency

Installation instructions

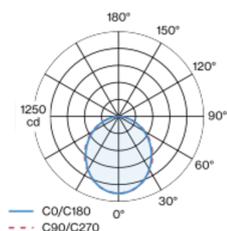


Lighting calculator



Luminaire housing made of extruded aluminium profile; recessed light with wrap around edge; for continuous lighting systems; suitable for ceiling thickness of 8-25 mm; surface traffic white powder coated; luminaire profile for mounting available in advance; remaining lamp components mounted without tools; LED light inset consisting of highly reflective lacquered aluminium for improved thermal management; light colour 3000 K; binning initial MacAdam \leq 3 SDCM; CRI \geq 90; 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 converter; accessories are listed separately; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;

Light distribution



Product drawing



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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
 MF Maintenance Factor
 LMF^a Luminaire Maintenance Factor

RSMF^a Room Surface Maintenance Factor
 LLMF Lamp Lumens Maintenance Factor
 LSF Lamp Survival Factor

^a 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	7
B13	10
B16	12
B20	14
C10	10
C13	20
C16	24
C20	28

Components

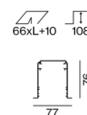
LIGHT OPTIC COVER

TYPE	ARTICLE NUMBER(S)
opal high performance	006-16152H



INSTALLATION CHANNEL

COLOUR	L-W-H (MM)	ARTICLE NUMBER(S)
traffic white	1472-77-76	035-01537



Mounting accessories

END CAPS trimless

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



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Mounting accessories

LINEAR CONNECTOR

TYPE

1 piece _____

10 pieces _____

ARTICLE NUMBER(S)

005-40046 _____

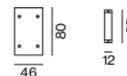
005-40046.10 _____



OPAL COVER LINEAR CONNECTOR

ARTICLE NUMBER(S)

006-14000 _____



Mounting accessories

MOUNTING BRACKET recessed trim

TYPE

1 piece _____

25 pieces _____

ARTICLE NUMBER(S)

035-10200 _____

035-10200.25 _____



Electrical accessories

THROUGH WIRE

TYPE

10 pieces _____

10 pieces _____

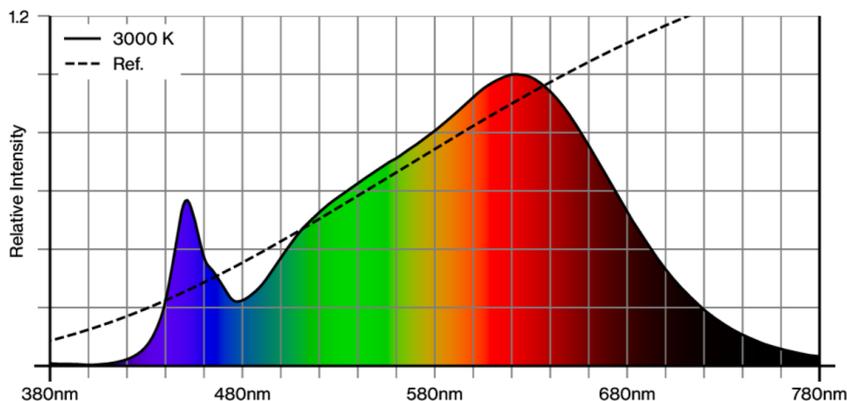
ARTICLE NUMBER(S)

004-90003 _____

004-90005 _____



Colour rendering



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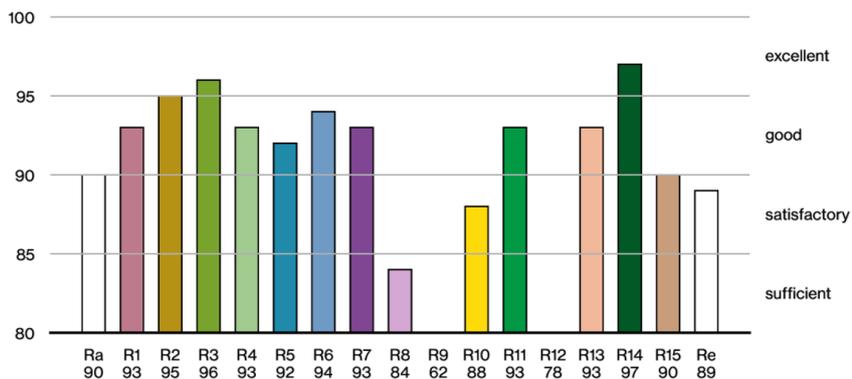
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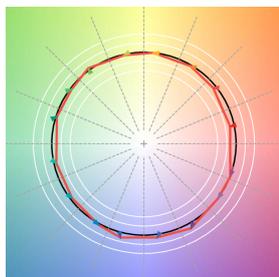
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TM30 colour vector graphic



The black line represents the black body reference. The red line indicates the results of the test light source. The deviation from the test light source to the reference is shown and is marked by arrows. The shorter the arrows, the higher the color rendering.