LINEA inner corner opal / asymmetric

wall system

058-6111517AA

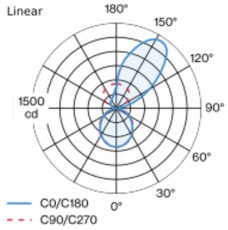
Project / Type

Notes

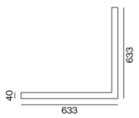
Count / Date

Light fitting and front cover made of extruded aluminium profile; angular design; 90° corner element - inner corner; for lighting systems; no visible screws; surface pure white powder coated; suitable for wall mounting; homogeneous wall or ceiling illumination through uniform direct/indirect light distribution; direct light component: HPO (High Performance Opal) cover for uniform illumination; indirect light component: with specially computed, asymmetrical lens for homogeneous lighting intensity (installation optionally for floor or ceiling illumination); light colour 3000 K; binning initial MacAdam ≤ 3 SDCM; CRI ≥ 90; min. 85% of luminous flux after 50000 operating hours; energy efficient LEDs with high CRI; degree of protection IP20; PC1; 220-240 V; incl. converter, non dimmable; accessories are listed separately; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;

Light distribution



Product drawing



X-PERT X-PERT 220-240 V

General

Ceiling / Wall | Surface
pure white | RAL 9010
IP20
indirect 2090 lm | direct 1760 lm
total 3850 lm
3190 lm/m

LED

3000 K
CRI ≥ 90
L85 / 50000 h
initial MacAdam ≤ 3 SDCM
R_g: 99 | R_f: 91 | $R_{f\{1\text{-}15\}}$: 89
MR 0.61 | MDER 0.55

Optical

High Performance Opal / Asymmetric | asymmetric
PstLM ≤ 1.0[1 2]| SVM ≤ 0.4[1 2]

Electrical

non DIM
PC1 | 220-240 V
system 35 W
system 110 lm/W [3]
29 W/m

Physical

length 633 mm | width 633 mm | height 100 mm

[1] Linear [2] Value of containing product at full load (undimmed)
[3] incl. consideration of optical losses, internal control unit losses & operating device efficiency

Installation instructions

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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	0.91	0.89
LSF	1	1	1	1	1

MF	LMF × RSMF × LLMF × LSF	RSMF[a]	Room Surface Maintenance Factor
MF	Maintenance Factor	LLMF	Lamp Lumens Maintenance Factor
LMF[a]	Luminaire 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.

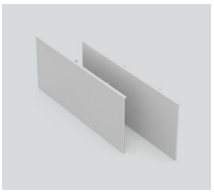
Circuit Breaker Types

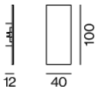
Automatic Circuit Breaker Type	Number of Fixtures
B10	9
B13	13
B16	15
B20	18
C10	18
C13	26
C16	30
C20	36

Mounting accessories

END CAPS

TYPE	COLOUR	L·W·H (MM)	ARTICLE NUMBER(S)
1 pair	pure white	40·100·12	050-2540107
1 pair	jet black	40·100·12	050-2540108

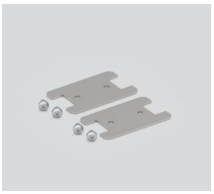




Mounting accessories

LINEAR CONNECTOR

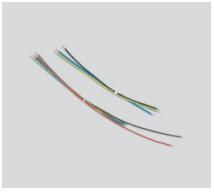
TYPE	ARTICLE NUMBER(S)
1 piece	050-2551100
10 pieces	050-2551100.10



Electrical accessories

THROUGH WIRE

TYPE	ARTICLE NUMBER(S)
10 pieces	004-90003
10 pieces	004-90005



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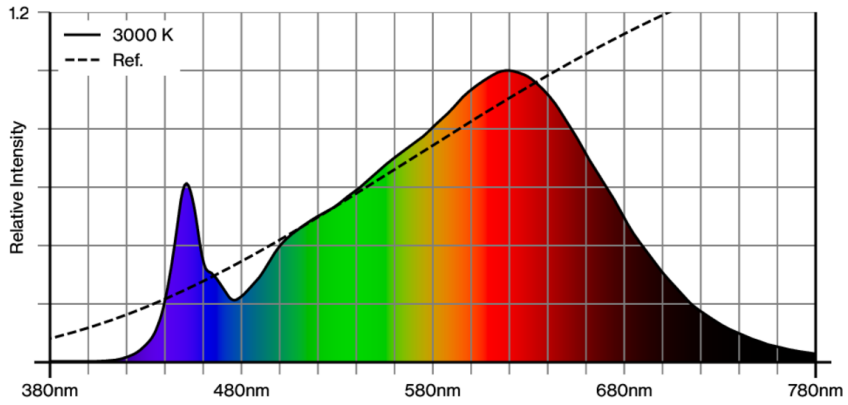
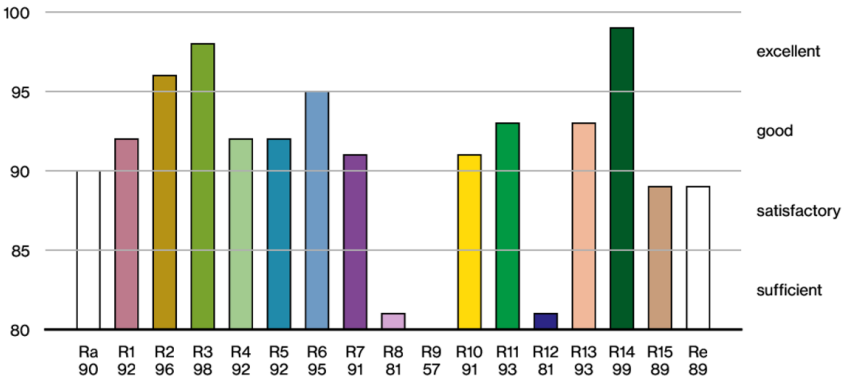
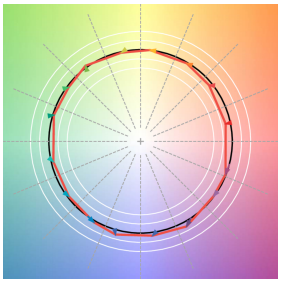
Colour rendering





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.