

# FINA SUPPORT opal 30°

011-13070160



Project / Type

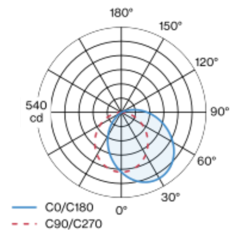
Notes

Count / Date



Miniature rectangular lamp made of aluminium; angular design; surface lacquered in white aluminium; plug and play electrical connector system for toolless mounting; different mechanical and electrical poles available - for flexible system design (available as an accessory); completely homogeneously illuminated, satinised PMMA cover; light colour 3000 K; binning initial MacAdam  $\leq 3$  SDCM; CRI  $\geq 97$ ; min. 85% of luminous flux after 50000 operating hours; energy efficient LEDs with high CRI; light inset rotatable; degree of protection IP20; PC3; 24 V; accessories are listed separately; light source replaceable by an authorized professional;

## Light distribution



## Product drawing



### General

Showcase , Standing

rotation 360°

white aluminium , RAL 9006 <sup>1</sup>

IP20

Interior

1220 lm

optical inset 73 lm/W<sup>2</sup>

### LED

3000 K

CRI  $\geq 97$

L85 / 50000 h

initial MacAdam  $\leq 3$  SDCM

R<sub>g</sub>: 99 , R<sub>r</sub>: 96 , R<sub>t(1-5)</sub>: 97

MR 0.68

MDER 0.61

### Optical

Opal

opal (lambertsch)

### Electrical

excl. driver

24 V

fixture 21.8 W

fixture 56 lm/W<sup>3</sup>

optical inset 16.6 W

PC3

19 W/m

24 V

### Physical

length 1200 mm

width 9 mm

height 9 mm

<sup>1</sup> RAL code  
<sup>2</sup> OPTICAL INSET: incl. consideration of optical losses  
<sup>3</sup> FIXTURE: incl. consideration of optical losses & internal control unit losses SYSTEM: incl. consideration of optical losses, internal control unit losses & operating device efficiency.

## Installation instructions





## Maintenance Factors

Operating Time [h]	10 000	20 000	30 000	40 000	50 000
LLMF	0.979	0.955	0.931	0.908	0.885
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.

## Mounting accessories

### MOUNTING POLE L

TYPE	COLOUR	ARTICLE NUMBER(S)
mechanical   180	white aluminium	011-9121116
mechanical   180	black	011-9121118
feeder / mechanical   180	white aluminium	011-9121136
feeder / mechanical   180	black	011-9121138
mechanical   200	white aluminium	011-9121216
mechanical   200	black	011-9121218
feeder / mechanical   200	white aluminium	011-9121236
feeder / mechanical   200	black	011-9121238
mechanical   300	white aluminium	011-9121316
mechanical   300	black	011-9121318
feeder / mechanical   300	white aluminium	011-9121336
feeder / mechanical   300	black	011-9121338



## Mounting accessories

### MOUNTING POLE T

TYPE	COLOUR	ARTICLE NUMBER(S)
mechanical / electrical   180	white aluminium	011-9122126
mechanical / electrical   180	black	011-9122128
mechanical / electrical   200	white aluminium	011-9122226
mechanical / electrical   200	black	011-9122228
mechanical / electrical   300	white aluminium	011-9122326
mechanical / electrical   300	black	011-9122328



## Mounting accessories

### MOUNTING POLE Y

TYPE	COLOUR	ARTICLE NUMBER(S)
mechanical / electrical   180	white aluminium	011-9123126
mechanical / electrical   180	black	011-9123128
feeder / mechanical   180	white aluminium	011-9123136
feeder / mechanical   180	black	011-9123138
mechanical / electrical   200	white aluminium	011-9123226
mechanical / electrical   200	black	011-9123228
feeder / mechanical   200	white aluminium	011-9123236
feeder / mechanical   200	black	011-9123238
mechanical / electrical   300	white aluminium	011-9123326
mechanical / electrical   300	black	011-9123328
feeder / mechanical   300	white aluminium	011-9123336
feeder / mechanical   300	black	011-9123338





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Electrical accessories

POWER SUPPLY 24V EU

TYPE	L-W-H (MM)	ARTICLE NUMBER(S)
18 W   non dim	130-43-30	011-9212110
35 W   non dim	195-43-30	011-9212210
60 W   non dim	220-43-30	011-9212310
18 W   DALI-2	130-43-30	011-9212130
35 W   DALI-2	195-43-30	011-9212230
60 W   DALI-2	220-43-30	011-9212330



POWER SUPPLY 24V UL

TYPE	L-W-H (MM)	ARTICLE NUMBER(S)
20 W   non dim	153-41-32	011-9282110
40 W   non dim	210-40-30	011-9282210
60 W   non dim	250-40-30	011-9282310
60 W   1-10 V	176-45-32	011-9282320
60 W   DALI-2	176-45-32	011-9282330



Electrical accessories

EXTENSION CABLE

TYPE	ARTICLE NUMBER(S)
1 × socket / 1 × plug	011-9222120
1 × socket / 1 × plug	011-9222140
1 × socket / 1 × plug	011-9222180

