

# MOVE IN 45 square

trim

063-8421518S 063-8842117 002-90722



Project / Type

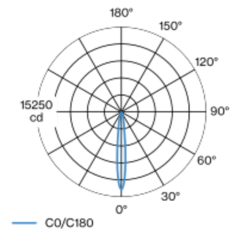
Notes

Count / Date



Square spotlight element in aluminium; surface black powder coated; installation without tools in mounting set due to patented ball catch system; recessed light with trim traffic white; suitable for ceiling thickness of 2-25 mm; spotlight element height adjustable without tools: flush with the ceiling, or extended 25 mm or 35 mm; passive cooling of the LEDs through improved heat sink geometry; with COB (Chip on Board) technology for maximum efficiency; no appearance of multiple shadows; light colour 3000 K; binning initial MacAdam  $\leq 2$  SDCM; CRI  $\geq 90$ ; min. 80% of luminous flux after 50000 operating hours; energy efficient LEDs with high CRI; high quality, aluminium, vapour deposition coated reflector with faceted lens design; precise radiation characteristic with 12° beam; good glare control through recessed light point level; optical attachment available as accessory; accessories are listed separately; degree of protection IP20; PC2; 220-240 V; incl. converter, non dimmable; converter wired secondary side; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;

## Light distribution



spot 12°			
h (m)	EO° (lx)	ø (m)	
1	13900	0.21	
2	3500	0.42	
3	1500	0.63	
4	900	0.84	
5	600	1.06	

## Product drawing



## General

Ceiling | Semi-Recessed  
black | RAL 9005 <sup>1</sup>  
Mounting set traffic white  
IP20  
1100 lm  
fixture 86 lm/W <sup>2</sup>

## LED

3000 K  
CRI  $\geq 90$   
L80 / 50000 h  
initial MacAdam  $\leq 2$  SDCM  
R<sub>g</sub>: 100 | R<sub>f</sub>: 91 | R<sub>t(1-15)</sub>: 89  
MR 0.59 | MDER 0.53

## Optical

spot | beam angle 12°  
PstLM  $\leq 1.0$  <sup>3</sup> | SVM  $\leq 0.4$  <sup>3</sup>

## Electrical

non DIM  
PC2 | 220-240 V  
system 15.0 W | fixture 12.8 W  
37 Vf | 350 mA

## Physical

trim  
diameter 78 mm | height 105 mm  
0.66 kg

## Cutout

diameter 70 mm  
min. ceiling thickness 2 mm | max. ceiling  
thickness 25 mm  
recessed depth 180 mm

<sup>1</sup> RAL code  
<sup>2</sup> incl. consideration of optical losses & internal control unit losses  
<sup>3</sup> Value of containing product at full load (undimmed)

## Installation instructions



## Lighting calculator



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## Maintenance Factors

Operating Time [h]	10 000	20 000	30 000	40 000	50 000
LLMF	0.96	0.92	0.88	0.85	0.81
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	31
B13	40
B16	50
B20	62
B25	78
C10	52
C13	67
C16	85
C20	104
C25	130

## Components

### MOUNTING HOUSING with trim

COLOUR	L-W-H (MM)	ARTICLE NUMBER(S)
traffic white	78-78-55	063-8842117



### POWER SUPPLY

L-W-H (MM)	ARTICLE NUMBER(S)
180-30-21	002-90722



## Optional electrical accessories

### DIN RAIL POWER SUPPLY

L-W-H (MM)	ARTICLE NUMBER(S)
72-90-63	005-6520210



### DIN RAIL LED DRIVER

TYPE	L-W-H (MM)	ARTICLE NUMBER(S)
200-1050 mA   2 x 42W	36-88-59	005-6121030



## Other accessories

### SPECIAL MOUNTING TOOL

TYPE	Ø (MM)	ARTICLE NUMBER(S)
necessary to install mounting housing trimless	100	063-8912110



## Optical accessories

### HONEYCOMB LOUVER

COLOUR	Ø (MM)	ARTICLE NUMBER(S)
jet black	42	007-1965188



[063-8421518S 063-8842117 002-90722] 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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