

# MOVE IN 45 square

trim

063-8421418S 063-8842118 002-90720



Project / Type

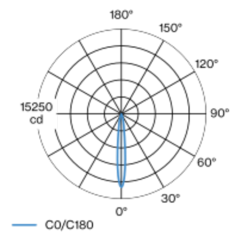
Notes

Count / Date



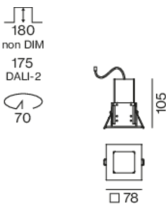
Square spotlight element in aluminium; surface black powder coated; installation without tools in mounting set due to patented ball catch system; recessed light with trim jet black; suitable for ceiling thickness of 2-25 mm; spotlight element height adjustable without tools: flush with the ceiling, or 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 2700 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. DALI-2 converter; 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	13200	0.21	
2	3300	0.42	
3	1500	0.63	
4	800	0.84	
5	500	1.06	

## Product drawing



## General

Ceiling | Semi-Recessed

black | RAL 9005 <sup>1</sup>

Mounting set jet black

IP20

1040 lm

fixture 81 lm/W <sup>2</sup>

## LED

2700 K

CRI  $\geq 90$

L80 / 50000 h

initial MacAdam  $\leq 2$  SDCM

R<sub>g</sub>: 99 | R<sub>f</sub>: 91 | R<sub>(1-15)</sub>: 89

MR 0.53 | MDER 0.48

## Optical

spot | beam angle 12°

PstLM  $\leq 1.0$  <sup>3</sup> | SVM  $\leq 0.4$  <sup>3</sup>

## Electrical

DALI-2 | 1 DALI Addr.

PC2 | 220-240 V

system 15.0 W | fixture 12.7 W

37 Vf | 350 mA

## Physical

trim

diameter 78 mm | height 105 mm

0.51 kg

## Cutout

diameter 70 mm

min. ceiling thickness 2 mm | max. ceiling thickness 25 mm

recessed depth 175 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



# MOVE IN 45 square

trim

063-8421418S 063-8842118 002-90720



Project / Type \_\_\_\_\_

Notes \_\_\_\_\_

Count / Date \_\_\_\_\_

## 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	36
B13	47
B16	58
C10	36
C13	78
C16	58

## Components

### MOUNTING HOUSING with trim

COLOUR	L-W-H (MM)	ARTICLE NUMBER(S)
jet black	78-78-55	063-8842118



### POWER SUPPLY

L-W-H (MM)	ARTICLE NUMBER(S)
197-29-21	002-90720



## 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



[063-8421418S 063-8842118 002-90720] 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.  
© XAL GmbH · Auer-Welsbach-Gasse 36 · 8055 Graz · Austria · www.xal.com

18.05.2025