

TWIST 100 trim 2 lamps

048-1121017M 048-2798318 002-90789



Project / Type

Notes

Count / Date



General

Ceiling | Recessed
tilt max 45°
rotation 360°
white | RAL 9016 ¹
Mounting set jet black
front IP20 | back IP20
6300 lm
fixture 139 lm/W ²

LED

3000 K
CRI ≥ 90
L80 / 50000 h
initial MacAdam ≤ 2 SDCM
R_g: 98 | R_f: 91 | R_(f-15): 93
MR 0.54 | MDER 0.49

Optical

medium | beam angle 27°
PstLM ≤ 1.0 ³ | SVM ≤ 0.4 ³

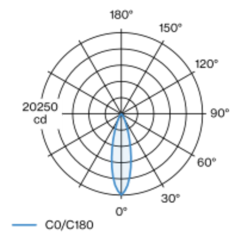
Electrical

DALI-2 | 1 DALI Addr.
PC2 | 220-240 V
system 51 W | fixture 22.7 W
total fixtures 45 W
650 mA

Physical

length 218 mm | width 118 mm | height 99 mm
0.72 kg

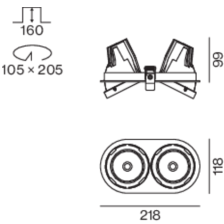
Light distribution



medium 27°

h (m)	E0° (lx)	ø (m)
1	10100	0.49
2	2500	0.97
3	1100	1.46
4	600	1.95
5	400	2.43

Product drawing



Cutout

diameter 105 mm | length 205 mm | width 105 mm
min. ceiling thickness 2 mm | max. ceiling thickness 25 mm
recessed depth 160 mm

¹ RAL code
² incl. consideration of optical losses & internal control unit losses
³ 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	0.977	0.94	0.905	0.871	0.838
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.

Components

MOUNTING SET with trim 2 lamps

TYPE	COLOUR	L-W-H (MM)	ARTICLE NUMBER(S)
for intermediate ceilings	jet black	218-118-35	048-2798318

POWER SUPPLY

L-W-H (MM)	ARTICLE NUMBER(S)
143-43-30	002-90789

Mounting accessories

THROUGH WIRING CONNECTION BOX

TYPE	L-W-H (MM)	ARTICLE NUMBER(S)
non DIM cable ø 4 – 12 mm, Linect®-Ready	105-58-30	005-2531110
DALI cable ø 4 – 12 mm, Linect®-Ready	105-58-30	005-2551110

Optical accessories

HONEYCOMB LOUVER

Ø (MM)	ARTICLE NUMBER(S)
75	080-6401118

Optical accessories

LINEAR PRISMATIC LENS

Ø (MM)	ARTICLE NUMBER(S)
75	080-6402110P

Circuit Breaker Types

Automatic Circuit Breaker Type	Number of Fixtures
B10	18
B16	30
C10	23
C16	36



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Optical accessories

SNOOT short

Ø (MM)
66

ARTICLE NUMBER(S)
080-6403118



SNOOT medium

Ø (MM)
66

ARTICLE NUMBER(S)
080-6403218



SNOOT angle

66

ARTICLE NUMBER(S)
080-6403318



[048-1121017M 048-2798318 002-90789] 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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