

TWIST 100

trimless

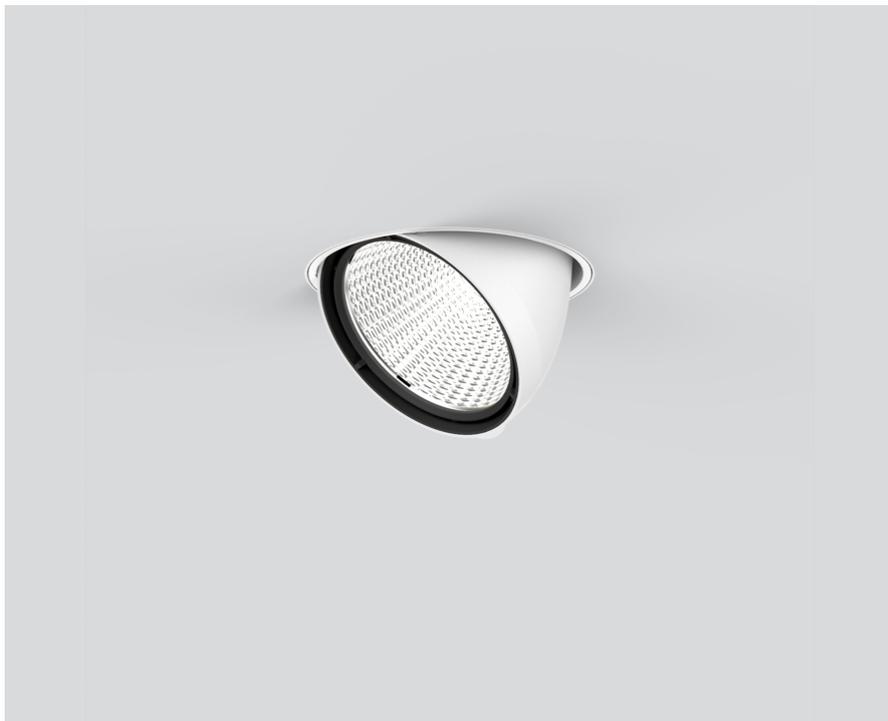
048-1121017F 048-2796117 002-90789



Project / Type _____

Notes _____

Count / Date _____



General

Ceiling , Recessed
 tilt max 45°
 rotation 360°
 white , RAL9016 ¹
 front IP20 , back IP20
 3110 lm

LED

3000 K
 CRI ≥ 90
 L80 / 50000 h
 initial MacAdam ≤ 2 SDCM

Optical

flood
 beam angle 39°
 PstLM ≤ 1.0 ²
 SVM ≤ 0.4 ²

Electrical

DALI-2
 25.3 W
 inset 22.7 W
 650 mA
 PC2 220-240V
 123 lm/W
 1 DALI Addr.

Physical

diameter 105 mm
 height 99 mm
 0.65 kg

Cutout

diameter 106 mm
 min. ceiling thickness 12.5 mm
 max. ceiling thickness 25 mm
 recessed depth 160 mm

¹ RAL code ² Value of containing product at full load (undimmed)

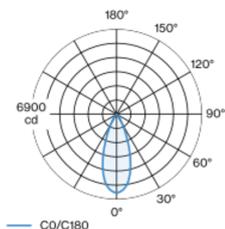
Installation instructions



Lighting calculator



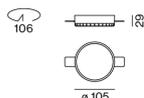
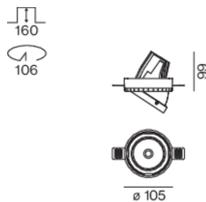
Light distribution



flood 39°

h (m)	E0° (lx)	ø (m)
1	6390	0.70
2	1600	1.40
3	710	2.10
4	400	2.80
5	260	3.50

Product drawing



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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 Faktor

^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	18
B16	30
C10	23
C16	36

Components

MOUNTING SET trimless

TYPE	COLOUR	Ø (MM)	ARTICLE NUMBER(S)
for plasterboard ceilings 12.5/15/25 mm	traffic white	105	048-2796117



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	105-58-30	005-253110
DALI cable ø 4 – 12 mm	105-58-30	005-255110



Optical accessories

HONEYCOMB LOUVER

Ø (MM)	ARTICLE NUMBER(S)
75	080-640118



Optical accessories

LINEAR PRISMATIC LENS

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



[048-1121017F 048-2796117 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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Optical accessories

SNOOT

TYPE	Ø (MM)	ARTICLE NUMBER(S)
short	66	080-6403118
medium	66	080-6403218
angle	66	080-6403318

