

TWIST 100 trim 2 lamps

048-1121117M 048-2798318 002-90789



Project / Type _____

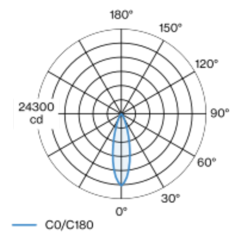
Notes _____

Count / Date _____



Round recessed spotlight in die-cast aluminium; 2 lamps; surface white powder coated; installation without tools in mounting set due to patented ball catch system; with trim jet black; suitable for ceiling thickness of 2-25 mm; 360° rotatable and 45° tiltable outward; 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 4000 K; binning initial MacAdam ≤ 2 SDCM; CRI ≥ 90 ; min. 80% of luminous flux after 50000 operating hours; energy efficient LEDs with high CRI; including high quality aluminium reflector with spherical reflector; high gloss anodised; neutral colour reflection through absolute freedom from interference colour; for brilliant object staging; precise radiation characteristic with 27° beam; degree of protection IP20; PC2 220-240V; incl. DALI-2 converter; through wiring connection box, 3-pole or 5-pole, available as an accessory; accessories are listed separately; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;

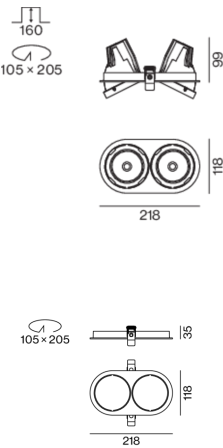
Light distribution



medium 27°

h (m)	E0° (lx)	ø (m)
1	10300	0.49
2	2600	0.97
3	1100	1.46
4	600	1.95
5	400	2.43

Product drawing



General

Ceiling , Recessed _____

tilt max 45° _____

rotation 360° _____

white , RAL9016 ¹ _____

Mounting set jet black _____

front IP20 , back IP20 _____

6400 lm _____

LED

4000 K _____

CRI ≥ 90 _____

L80 / 50000 h _____

initial MacAdam ≤ 2 SDCM _____

Optical

medium _____

beam angle 27° _____

PstLM ≤ 1.0 ² _____

SVM ≤ 0.4 ² _____

Electrical

DALI-2 _____

51 W _____

total insets 45 W _____

PC2 220-240V _____

125 lm/W _____

1 DALI Addr. _____

Physical

length 218 mm _____

width 118 mm _____

height 99 mm _____

0.6 kg _____

Cutout

diameter 105 mm _____

length 205 mm _____

min. ceiling thickness 2 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



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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.

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	105-58-30	005-2531110
DALI cable ø 4 – 12 mm	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

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

