

TWIST 100 trim 2 lamps

048-1121218F 048-2798317 002-90780

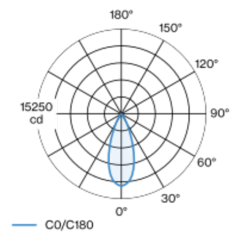


Project / Type
Notes
Count / Date



Round recessed spotlight in die-cast aluminium; 2 lamps; surface jet black powder coated; installation without tools in mounting set due to patented ball catch system; with trim traffic white; 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 3500 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 39° beam; degree of protection IP20; PC2; 220-240 V; incl. converter, non dimmable; 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;

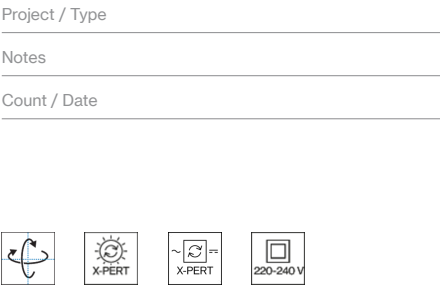
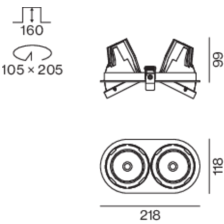
Light distribution



flood 39°

h (m)	EO° (lx)	ø (m)
1	6470	0.70
2	1620	1.40
3	720	2.10
4	400	2.80
5	260	3.50

Product drawing



General

Ceiling Recessed
tilt max 45°
rotation 360°
jet black RAL 9005 ¹
Mounting set traffic white
front IP20 back IP20
6300 lm
fixture 138 lm/W ²

LED

3500 K
CRI ≥ 90
L80 / 50000 h
initial MacAdam ≤ 2 SDCM
R _g : 99 R _r : 92 R _{t(1-15)} : 93
MR 0.61 MDER 0.55

Optical

flood beam angle 39°
PstLM ≤ 1.0 ³ SVM ≤ 0.4 ³

Electrical

non DIM
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
0.57 kg

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	traffic white	218-118-35	048-2798317

POWER SUPPLY

L-W-H (MM)	ARTICLE NUMBER(S)
143-43-30	002-90780

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	20
B16	32
C10	33
C16	53



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Optical accessories

SNOOT short

<div> <div>Ø (MM)</div> <div>66</div> </div>	<div> <div>ARTICLE NUMBER(S)</div> <div>080-6403118</div> </div>
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SNOOT medium

<div> <div>Ø (MM)</div> <div>66</div> </div>	<div> <div>ARTICLE NUMBER(S)</div> <div>080-6403218</div> </div>
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SNOOT angle

<div> <div>Ø (MM)</div> <div>66</div> </div>	<div> <div>ARTICLE NUMBER(S)</div> <div>080-6403318</div> </div>
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