TWIST 100

replaceable by an authorized professional;

Light distribution

0

EO° (Ix)

22300

5600

2500

1400

900

ø (m)

0.30

0.60

0.90

1.19

1.49

C0/C180

spot 17°

h (m)

 $\frac{1}{2}$

3

4

5

048-1120518S 048-2796117 002-90782



Project / Type

Notes Count / Date

220-240V

General

LED

| CRI ≥ 90 |
|--|
| initial MacAdam ≤ 3 SDCM |
| R _g : 98 , R _f : 91 , R _{1-15} : 89 |
| MR 0.62 |
| MDER 0.56 |

Optical

| spot | |
|--------------------------|--|
| beam angle 17° | |
| PstLM ≤ 1.0 ² | |
| SVM ≤ 0.4 ² | |

Electrical

| DALI-2 | |
|--------------|--|
| 40 W | |
| inset 34 W | |
| PC2 220-240V | |
| 74 lm/W | |
| 1 DALI Addr. | |

Physical

| trimless | |
|-----------------|--|
| 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)



Lighting calculator



XAL

['048-1120518S 048-2796117 002-90782'] The technical data represent rated values for an ambient temperature of 25°C. The data values for the luminous flux or 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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Round recessed spotlight in die-cast aluminium; 1 lamp; surface black powder coated; installation without tools in mounting set due to patented ball catch system; for trimless installation in plasterboard ceilings; suitable for ceiling thickness of 12.5/15/25 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 3000 K; binning initial MacAdam \leq 3 SDCM; CRI \geq 90; 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 17° beam; optical attachments available as accessories; 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

Product drawing

<u>_</u> 18

ø 105

160 106

TWIST 100

048-1120518S 048-2796117 002-90782



Project / Type

Notes Count / Date

Circuit Breaker Types

| Automatic Circuit Breaker Type | Number of Fixtures |
|-----------------------------------|--------------------|
| B10 | 37 |
| B16 | 60 |
| C10 | 37 |
| C16 | 60 |

Components

| MOUNTING SET trimless TYPE for plasterboard ceilings 12.5/15/25 mm | COLOUR Ø (MM) traffic white 105 | ARTICLE NUMBER(S) 048-2796117 | € • • • • | Course of the |
|--|---------------------------------------|---|-----------------------|--------------------------|
| POWER SUPPLY | | | | |
| L·W·H (MM) 143·43·30 | | ARTICLE NUMBER(S) 002-90782 | 0 | |
| Mounting accessories | | | | |
| THROUGH WIRING CONNECTION BOX | C C C C C C C C C C C C C C C C C C C | | - J | |
| TYPE non DIM cable ø 4 – 12 mm DALI cable ø 4 – 12 mm | L·W·H (MM) 105-58-30 105-58-30 | ARTICLE NUMBER(S) 005-2531110 005-2551110 | d _{al} y. | |
| Optical accessories | | | | |
| LINEAR PRISMATIC LENS | | | \bigcirc | |
| Ø (MM) 75 | | ARTICLE NUMBER(S) 080-6402110P | | |
| HONEYCOMB LOUVER | | | | |
| Ø (ММ) 75 | | ARTICLE NUMBER(S) 080-6401118 | <u> </u> | |
| SNOOT | | | 0 075 075 | $oldsymbol{\mathcal{O}}$ |
| TYPE short | Ø (MM) 66 | ARTICLE NUMBER(S) 080-6403118 | □ i8 □ i8 ▽ i8 | |
| medium angle | 66 66 | 080-6403218 080-6403318 | | U |

