

# TULA nano suspended

canopy trimless

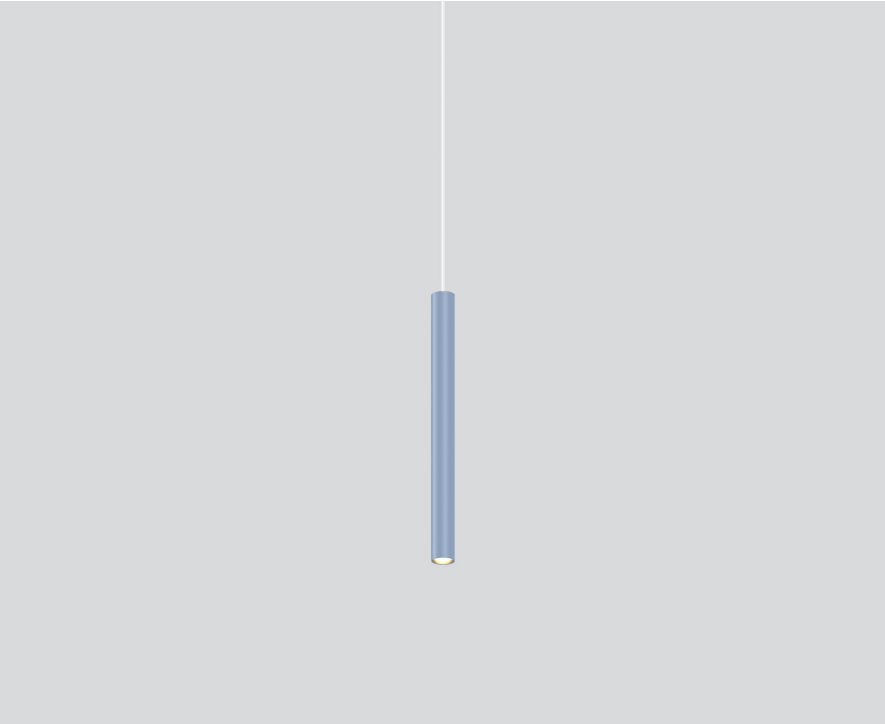
049-551041XF 005-3511017 002-90733



Project / Type

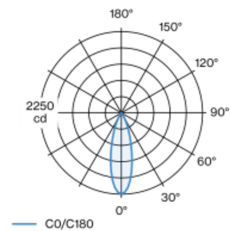
Notes

Count / Date



Decorative suspended luminaire in aluminium; surface special colours powder coated; pendant fitting with 1500mm suspension; incl. feed (white), can be individually shortened; 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 2700 K; binning initial MacAdam  $\leq 2$  SDCM; CRI  $\geq 90$ ; energy efficient LEDs with high CRI; good glare control through recessed light point level; incl. high quality lens system; precise radiation characteristic with 30° beam; degree of protection IP20; PC2; 220-240 V; canopy for trimless installation in plasterboard ceilings; suitable for ceiling thickness of 9-25 mm; special mounting tool for easy installation of the trimless housing available as an accessory; accessories are listed separately; incl. DALI-2 converter; external converter for ceiling insertion; light source not replaceable; control gear replaceable by an authorized professional;

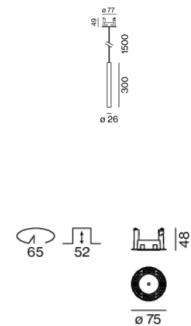
## Light distribution



flood 30°

| h (m) | E0° (lx) | ø (m) |
|-------|----------|-------|
| 1     | 2240     | 0.53  |
| 2     | 560      | 1.07  |
| 3     | 250      | 1.60  |
| 4     | 140      | 2.13  |
| 5     | 90       | 2.66  |

## Product drawing



## General

Ceiling | Suspended

special colours

Canopy traffic white

IP20

762 lm

fixture 86 lm/W <sup>1</sup>

## LED

2700 K

CRI  $\geq 90$

initial MacAdam  $\leq 2$  SDCM

R<sub>g</sub>: 97 | R<sub>r</sub>: 91 | R<sub>f(1-15)</sub>: 87

MR 0.52 | MDER 0.47

## Optical

flood | beam angle 30°

PstLM  $\leq 1.0$  <sup>2</sup> | SVM  $\leq 0.4$  <sup>2</sup>

## Electrical

DALI-2 | 1 DALI Addr.

PC2 | 220-240 V

system 11.8 W | fixture 8.9 W

18 Vf | 500 mA

## Physical

diameter 26 mm | height 300 mm

0.63 kg

## Cutout

diameter 65 mm

min. ceiling thickness 9 mm | max. ceiling thickness 25 mm

recessed depth 130 mm

<sup>1</sup> incl. consideration of optical losses & internal control unit losses  
<sup>2</sup> Value of containing product at full load (undimmed)

## Installation instructions



## Lighting calculator



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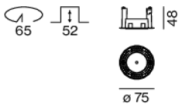
## Circuit Breaker Types

| Automatic Circuit Breaker Type | Number of Fixtures |
|--------------------------------|--------------------|
| B10                            | 80                 |
| B13                            | 104                |
| B16                            | 130                |
| B20                            | 162                |
| C10                            | 135                |
| C13                            | 175                |
| C16                            | 220                |
| C20                            | 270                |

## Components

### MOUNTING SET trimless

|   |               |        |                   |
|---|---------------|--------|-------------------|
| TYPE                                      | COLOUR        | Ø (MM) | ARTICLE NUMBER(S) |
| for installation in plasterboard ceilings | traffic white | 75     | 005-3511017       |



### POWER SUPPLY

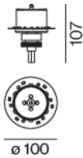
|            |                   |
|------------|-------------------|
| L-W-H (MM) | ARTICLE NUMBER(S) |
| 147-33-23  | 002-90733         |



## Mounting accessories

### SPECIAL MOUNTING TOOL

|   |        |                   |
|---|--------|-------------------|
| TYPE  | Ø (MM) | ARTICLE NUMBER(S) |
| for ARY   MOVE IN 45   NOBA trimless   TULA | 100    | 063-8912110       |



### RING ceiling mounted

|               |        |                   |
|---------------|--------|-------------------|
| COLOUR        | Ø (MM) | ARTICLE NUMBER(S) |
| traffic white | 50     | 050-0510217       |
| jet black     | 50     | 050-0510218       |



### HOOK ceiling mounted

|               |        |                   |
|---------------|--------|-------------------|
| COLOUR        | Ø (MM) | ARTICLE NUMBER(S) |
| traffic white | 18     | 050-0510317       |
| jet black     | 18     | 050-0510318       |



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## Optional electrical accessories

### DIN RAIL POWER SUPPLY

|            |                   |
|------------|-------------------|
| L-W-H (MM) | ARTICLE NUMBER(S) |
| 72-90-63   | 005-6520210       |



### DIN RAIL LED DRIVER

|            |                   |
|------------|-------------------|
| L-W-H (MM) | ARTICLE NUMBER(S) |
| 36-88-59   | 005-6121030       |



## Optical accessories

### OVAL LENS

|                                     |        |                   |
|-------------------------------------|--------|-------------------|
| TYPE                                | Ø (MM) | ARTICLE NUMBER(S) |
| for BO 45   MOVE IN 45   TULA micro | 42     | 007-1965880       |



### SOFT LENS

|   |        |                   |
|---|--------|-------------------|
| TYPE                                      | Ø (MM) | ARTICLE NUMBER(S) |
| for ARY   BO 45   MOVE IN 45   TULA micro | 42     | 007-1965980       |



### WALLWASHER LENS

|   |        |                   |
|---|--------|-------------------|
| TYPE                                      | Ø (MM) | ARTICLE NUMBER(S) |
| for ARY   BO 45   MOVE IN 45   TULA micro | 42     | 007-1965780       |



### HONEYCOMB LOUVER

|   |           |        |                   |
|---|-----------|--------|-------------------|
| TYPE  | COLOUR    | Ø (MM) | ARTICLE NUMBER(S) |
| for BO 45   JUST 45   MOVE IN 45   TARO 45   TULA micro | jet black | 42     | 007-1965188       |



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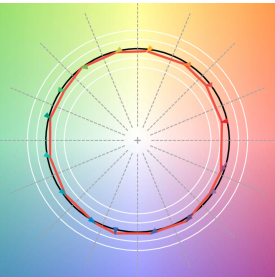
## Colour rendering



CRI/R<sub>a</sub> ≥ 91 R<sub>e</sub> ≥ 87 (2700 K)



## TM30 colour vector graphic



The black line represents the black body reference. The red line indicates the results of the test light source. The deviation from the test light source to the reference is shown and is marked by arrows. The shorter the arrows, the higher the color rendering.

