

# ARY cable suspended canopy surface

049-511161XM 005-2602198



Project / Type \_\_\_\_\_

Notes \_\_\_\_\_

Count / Date \_\_\_\_\_



## General

Ceiling   Suspended
special colours
Canopy jet black
IP20
739 lm
fixture 88 lm/W <sup>1</sup>

## LED

4000 K
CRI ≥ 90
L90 / 50000 h
initial MacAdam ≤ 3 SDCM
R <sub>g</sub> : 99   R <sub>f</sub> : 89   R <sub>f(1-15)</sub> : 87
MR 0.81   MDER 0.73

## Optical

medium   beam angle 25°
PstLM ≤ 1.0 <sup>2</sup>   SVM ≤ 0.4 <sup>2</sup>

## Electrical

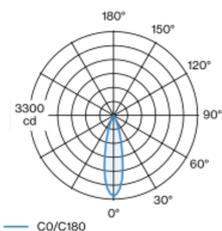
Casambi
PC2   220-240 V
system 11.2 W   fixture 8.4 W
18 Vf   500 mA

## Physical

suspension 1500 mm
diameter 47 mm   height 110 mm
0.72 kg

Decorative suspended luminaire in aluminium; surface special colours powder coated; pendant fitting with 1500mm suspension, incl. feed (special colours), can be individually shortened; shades available as accessory in RAL colours velvet beige, madeira brown, kingfisher grey, woodpecker olive, signal white or signal black; accessories are listed separately; 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 ≤ 3 SDCM; CRI ≥ 90; min. 90% of luminous flux after 50000 operating hours; energy efficient LEDs with high CRI; good glare control through recessed light point level; incl. high quality lens system; precise radiation characteristic with 25° beam; degree of protection IP20; PC2; 220-240 V; light source not replaceable; control gear replaceable by an authorized professional;

## Light distribution



medium 25°

h (m)	E0° (lx)	ø (m)
1	3200	0.44
2	800	0.89
3	360	1.33
4	200	1.78
5	130	2.22

## Product drawing



<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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## Maintenance Factors

Operating Time [h]	10 000	20 000	30 000	40 000	50 000
LLMF	0.97	0.96	0.95	0.93	0.92
LSF	1	1	1	1	1

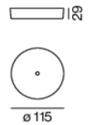
MF LMF × RSMF × LLMF × LSF RSMF<sup>a</sup> Room Surface Maintenance Factor  
 MF Maintenance Factor LLMF Lamp Lumens Maintenance Factor  
 LMF<sup>a</sup> Luminaire Maintenance Factor LSF Lamp Survival Factor

<sup>a</sup> 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

### CANOPY for cable suspension

COLOUR	Ø (MM)	ARTICLE NUMBER(S)
jet black	115	005-2602198



## Mounting accessories

### RING ceiling mounted

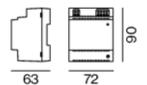
COLOUR	Ø (MM)	ARTICLE NUMBER(S)
traffic white	50	050-0510217
jet black	50	050-0510218



## Optional electrical accessories

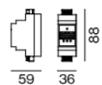
### DIN RAIL POWER SUPPLY

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



['049-511161XM 005-2602198'] 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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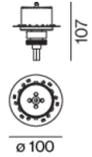
Notes \_\_\_\_\_

Count / Date \_\_\_\_\_

## Other accessories

### SPECIAL MOUNTING TOOL

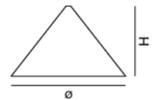
TYPE	Ø (MM)	ARTICLE NUMBER(S)
for ARY   MOVE IN 45   NOBA trimless   TULA	100	063-8912110



## Optical accessories

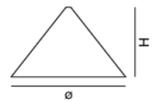
### SHADE 300

COLOUR	Ø (MM)	ARTICLE NUMBER(S)
signal black	300	049-593311B
velvet beige	300	049-593311C
woodpecker olive	300	049-593311G
kingfisher grey	300	049-593311L
madeira brown	300	049-593311T
signal white	300	049-593311W



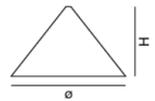
### SHADE 400

COLOUR	Ø (MM)	ARTICLE NUMBER(S)
signal black	400	049-593411B
velvet beige	400	049-593411C
woodpecker olive	400	049-593411G
kingfisher grey	400	049-593411L
madeira brown	400	049-593411T
signal white	400	049-593411W



### SHADE 500

COLOUR	Ø (MM)	ARTICLE NUMBER(S)
signal black	500	049-593511B
velvet beige	500	049-593511C
woodpecker olive	500	049-593511G
kingfisher grey	500	049-593511L
madeira brown	500	049-593511T
signal white	500	049-593511W



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## Optical accessories

### OVAL LENS

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



### SOFT LENS

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

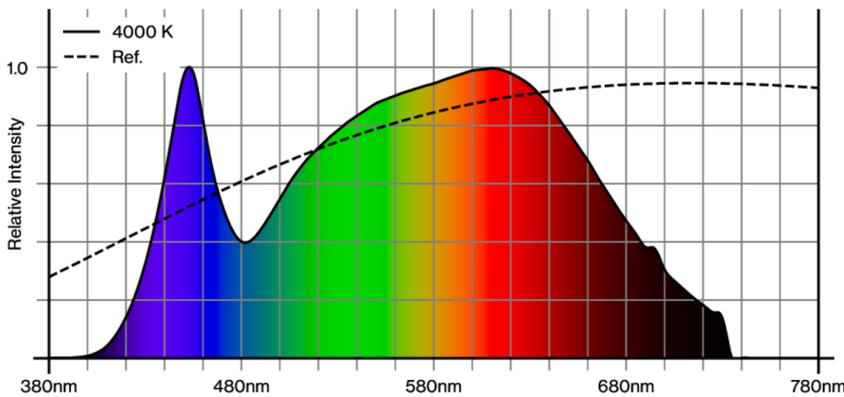


### WALLWASHER LENS

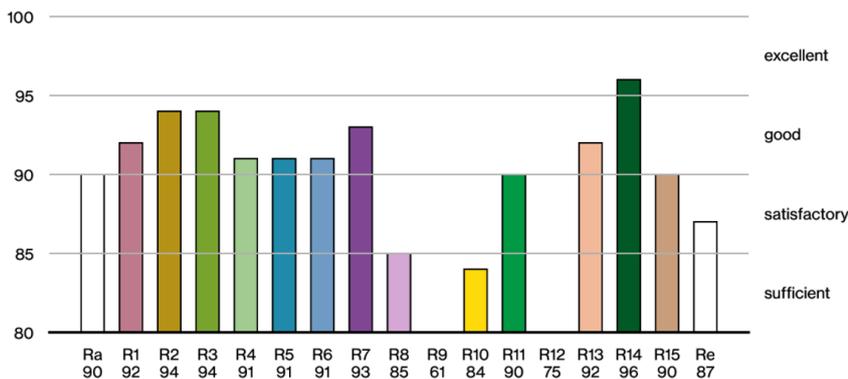
TYPE for ARY | BO 45 | MOVE IN 45 | TULA micro Ø (MM) 42 ARTICLE NUMBER(S) 007-1965780



## Colour rendering



**CRI/R<sub>a</sub> ≥ 91 R<sub>e</sub> ≥ 87 (4000 K)**



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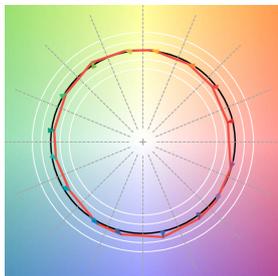


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## TM30 colour vector graphic



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.