

ARY cable suspended

canopy trimless

049-5211418M 005-3511017 002-90733



Project / Type

Notes

Count / Date



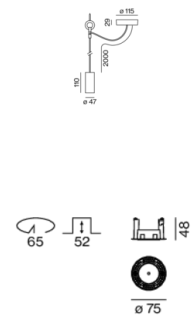
Decorative suspended luminaire in aluminium; surface jet black powder coated; pendant fitting with 2000mm suspension, incl. feed (jet black), can be individually shortened, incl. ceiling mounting ring + hook (jet black) for multiple positioning of the luminaire in the room; shades available as accessory 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 2700 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; 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; incl. DALI-2 converter; external converter for ceiling insertion; light source not replaceable; control gear replaceable by an authorized professional;

Light distribution



h (m)	E0° (lx)	ø (m)
1	2780	0.44
2	690	0.89
3	310	1.33
4	170	1.78
5	110	2.22

Product drawing



General

Ceiling | Suspended

jet black | RAL 9005

Canopy traffic white

IP20

642 lm

fixture 76 lm/W ¹

LED

2700 K

CRI ≥ 90

L90 / 50000 h

initial MacAdam ≤ 3 SDCM

R_g: 99 | R_f: 91 | R₍₁₋₁₅₎: 89

MR 0.54 | MDER 0.49

Optical

medium | beam angle 25°

PstLM ≤ 1.0 ² | SVM ≤ 0.4 ²

Electrical

DALI-2 | 1 DALI Addr.

PC2 | 220-240 V

system 11.2 W | fixture 8.4 W

18 Vf | 500 mA

Physical

suspension 2000 mm with hook

diameter 47 mm | height 110 mm

0.88 kg

Cutout

diameter 65 mm

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

recessed depth 130 mm

¹ incl. consideration of optical losses & internal control unit losses
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	0.97	0.96	0.95	0.93	0.92
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.

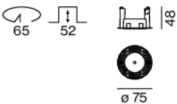
Circuit Breaker Types

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

RING ceiling mounted

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



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Optional electrical accessories

DIN RAIL POWER SUPPLY

L-W-H (MM)
72-90-63

ARTICLE NUMBER(S)
005-6520210



DIN RAIL LED DRIVER

L-W-H (MM)
36-88-59

ARTICLE NUMBER(S)
005-6121030



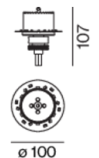
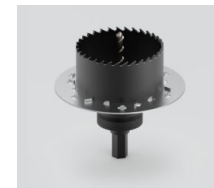
Other accessories

SPECIAL MOUNTING TOOL

TYPE
for ARY | MOVE IN 45 | NOBA trimless | TULA

Ø (MM)
100

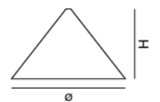
ARTICLE NUMBER(S)
063-8912110



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



[049-5211418M 005-3511017 002-90733] 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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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

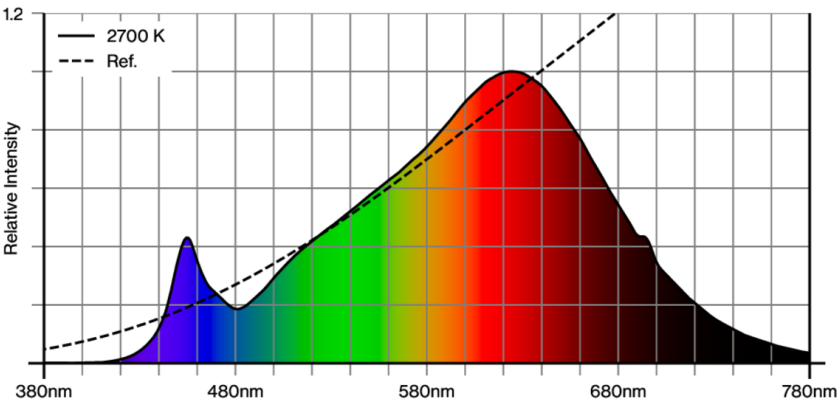


WALLWASHER LENS

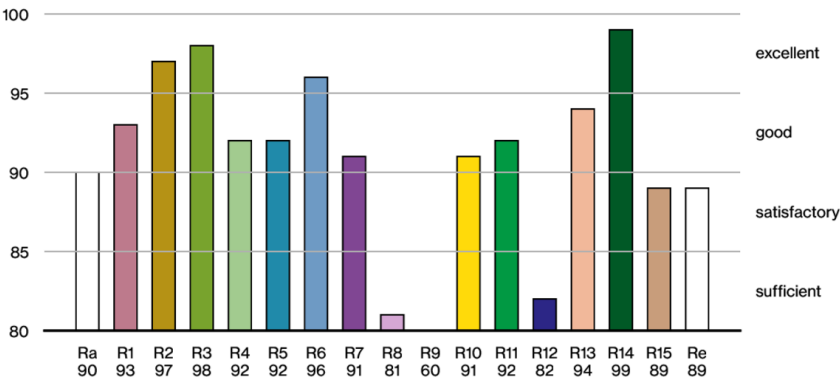
TYPE	Ø (MM)	ARTICLE NUMBER(S)
for ARY BO 45 MOVE IN 45 TULA micro	42	007-1965780



Colour rendering



CRI/R_a ≥ 92 R_e ≥ 89 (2700 K)



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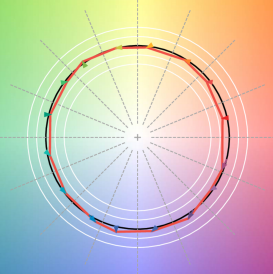


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TM30 colour vector graphic



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.

