

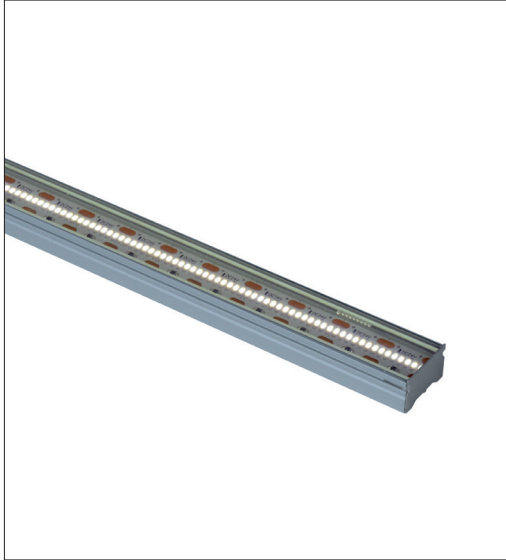
# FILO 16 - RGB

Mid Power LED 24 Vdc - 13,9 mm Pitch

**ALDABRA**  
LUCE CONTEMPORANEA

## Submittal

Project: \_\_\_\_\_ Date: \_\_\_\_\_  
 Product Type: \_\_\_\_\_ Product Code: \_\_\_\_\_  
 Ordering Info: \_\_\_\_\_



## Product Description

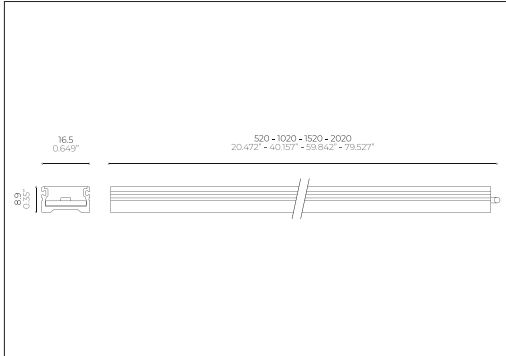
Extremely compact professional linear lighting systems for direct and indirect flood or step lighting. Suitable for indoor, outdoor and underwater applications. Made of extruded aluminum alloy UNI 6060 with natural anodized finish and UV-resistant nanopolymer resin that ensures a complete waterproofing and a glass-like finish.



## Light Source

Light Source	Mid Power LED LM 80 COMPLIANT
Colour Temperature (CCT) !	RGB
LED Pitch	13,9 mm (0.547")
Board LED Cutting Pitch	83,4 mm (3.28")
Power	17,3 W/m (5.274 W/ft)
Colour Rendering Index	> 90
Chromatic Selection	Mac Adam 2-Step
Light Source Efficiency	632+517+462 lm/W
Fixture Luminous Flux	lm/m (lm/ft)
LED Type	SMD5050

## Technical Drawing



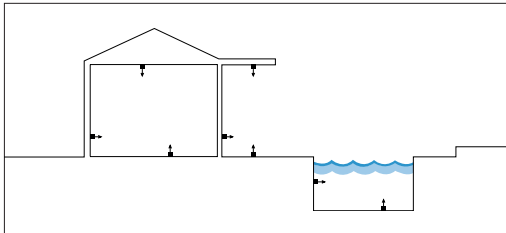
## Power Supply

Voltage	24 Vdc Constant Voltage
Dimming	PWM
Control Systems Compatibility	DALI; DMX
Driver	Remote

## Fixture

Materials	Aluminium Anticorodal EN AW-6060; Resin
Body Finishes !	Anodized Aluminium
Weight	250 g/m (0.168 lb/ft)
Power Supply Cable	1m (3,28ft) - 2xAWG18 (Red;Black) + 3xAWG20 (R/b, G/b, B/b)
Optics !	_____
Diffusers	Opal; Transparent
Screens	_____

## Installations



Surface Mounted     
 Wall Ceiling Ground

## Temperature and Durability

LED Lifetime $T_a$ 25°C	> 50000 h (TM21 L80 B10 @50000 h)
Fixture Lifetime	> 50000 h
$T_a$ Performance	25°C (77°F)
$T_a$ Operative	-30 ÷ 50 °C (-22 ÷ 122 °F)
Body Temperature	< 90 °C (194 °F)
Surface Temperature	≤ 65 °C (149 °F)

## Installation

Electrical Insulation Class	III
IP Protection Degrees	IP66; IP68
Impact Resistance	IK05
Driveability	_____
Walkability	_____
Certifications	CE; UL listed
Normative	EN60598-1; EN60598-2 and its parts; UL 676; CSA C222 No. 89-15; UL 2108; UL 1598/C250-08

! Note: contact the factory for custom CCT, optics, finishes and lengths



750°C

AQA STOP LED

A A+ A++

## Note:

- Power supplies, control&dimming devices and fixing kits must to be orderd separately. - Aldabra power supply consumption is equal to 15% of the fixture nominal power.  
 - Specifications are subject to change without notice. - Photometric data available at [www.aldabra.it](http://www.aldabra.it) - Aldabra, all rights reserved.

# FILO 16 - Monochromatic

Mid Power LED 24 Vdc - 1,8 mm Pitch

**ALDABRA**  
L U C E C O N T E M P O R A N E A

## Part Number

example: **FIL.23.T90A1.1**



### Length & Power <sup>1</sup>

- FIL.21** 520 mm / 1.7 ft - 8,7 W
- FIL.22** 1020 mm / 3.34 ft - 17,3 W
- FIL.23** 1520 mm / 4.98 ft - 26 W
- FIL.24** 2020 mm / 6.62 ft - 34,6 W

### Optical Features <sup>1</sup>

- .D** Opal Diffuser
- .T** Transparent Diffuser

### CCT <sup>1</sup>

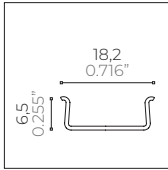
- 90** RGB

### Finishes <sup>1</sup>

- A1.1** Anodized Aluminium

Notes: \_\_\_\_\_

## Surface Mounted Installation Accessories



- ACC.0046.0**  
Fixing Springs  
for Filo 16 - Micro 16  
- 5 pieces package

## Generic Accessories



- ACC.0147.0**  
IP68 Waterproof connection  
box with gel  
4 channels - 5 poles

## General Informations:

Kindly note that atmospheric agents (such as lightnings, etc), electrostatics charges or disturbances on the installation not caused by Aldabra lighting fixtures and Led drivers indicated by Aldabra itself, may cause damages on the fixtures. It is necessary that the electrical installation where the LED lighting fittings and their power supply units and control gears are installed must be equipped with proper devices for the protection and suppression of transient phenomena (SPD, isolation transformer, etc...). Such devices must be coordinated with the other protections of the installation; on this theme, it's necessary to refer to the electrical installations norms which are in force in each country.