

# EK2 Aluminium - Monochromatic

Mid Power LED 24 Vdc - Pitch 20 mm - Bus on Board

**ALDABRA**  
LUCE CONTEMPORANEA

## Submittal

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



## Product Description

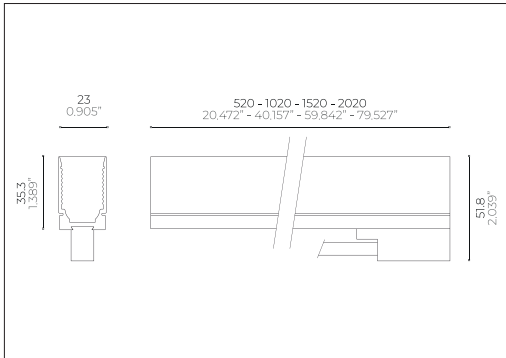
Professional modular recessed linear lighting systems for floor or step lighting. Suitable for indoor, outdoor and underwater applications. Made of extruded aluminium alloy UNI6060 natural anodized finish, or stainless steel AISI 316L and nanopolymer resin that ensures a complete waterproofing and glass-like transparency with perfect light uniformity.



## Light Source

Light Source	Mid Power LED LM 80 COMPLIANT
Colour Temperature (CCT) !	2700K; 3000K; 3300K; 3700K; 5200K
LED Pitch	20 mm (0.787")
Board LED Cutting Pitch	100 mm (3.93")
Power	12 W/m (3.66 W/ft)
Colour Rendering Index	> 90
Chromatic Selection	Mac Adam 2-Step
Light Source Efficiency	lm/W
Fixture Luminous Flux	lm/m (lm/ft)
LED Type	_____

## Technical Drawing



## Power Supply

Voltage	24 Vdc Constant Voltage
Dimming	PWM
Dimming Systems Compatibility	0-10V; 1-10V; DALI; DMX
Driver	Remote

## Fixture

Materials	Aluminium Anticorodal EN AW-6060; Resin
Body Finishes !	Anodized Aluminium
Weight	1250 g/m (0.84 lb/ft)
Power Supply Cable	1m (3,28ft) - 2xAWG18 (Red;Black) + 1xAWG20 (Violet)
Optics !	_____
Diffusers	Opal; Transparent
Screens	_____

## Installations



## 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	IK10
Driveability	_____
Walkability	300 kg (660 lb)
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 STOPLEX

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.

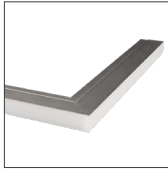
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## Part Number

example: **EK2.01.D27A1.0**



### Length & Power †

- EK2.01** 520 mm / 1.706 ft - 6 W
- EK2.02** 1020 mm / 3.346 ft - 12 W
- EK2.03** 1520 mm / 4.986 ft - 18 W
- EK2.04** 2020 mm / 6.627 ft - 24 W

### Optical Features †

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

### CCT †

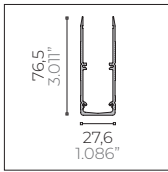
- 27** 2700K
- 30** 3000K
- 33** 3300K
- 37** 3700K
- 52** 5200K

### Finishes †

- A1.0** Anodized Aluminium

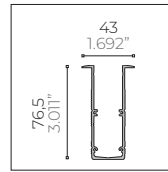
Notes: \_\_\_\_\_

## Recessing Box



### Type A Anodized Aluminium Trimless Recessing Box

- CSF.0045.0** 520 mm / 1.706 ft
- CSF.0046.0** 1020 mm / 3.346 ft
- CSF.0047.0** 1520 mm / 4.986 ft
- CSF.0048.0** 2020 mm / 6.627 ft



### Type B Anodized Aluminium Recessing Box with Trim

- CSF.0049.0** 520 mm / 1.706 ft
- CSF.0050.0** 1020 mm / 3.346 ft
- CSF.0051.0** 1520 mm / 4.986 ft
- CSF.0052.0** 2020 mm / 6.627 ft

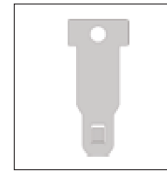
## Recessed Installation Accessories



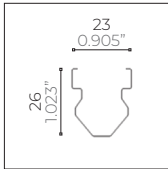
- ACC.0060.0**  
Couple of end caps for EK recessing box type A - B



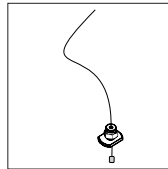
- ACC.0003.0**  
Alignment kit for recessing box



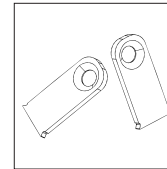
- ACC.0019.0**  
Tool for pulling out the module from the recessing box



- ACC.0074.0**  
Fixing springs for EK2



- ACC.0028.0**  
Safety steel wire for ceiling installation for preventing accidental fall



- ACC.0082.0**  
Fixing brackets for power supplies box EK2-EK3

## Generic Accessories



- ACC.0005.0**  
IP68 Waterproof connection box with gel  
4 channels - 3 poles



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