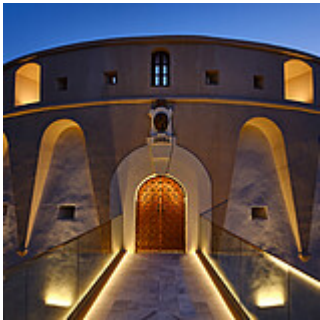
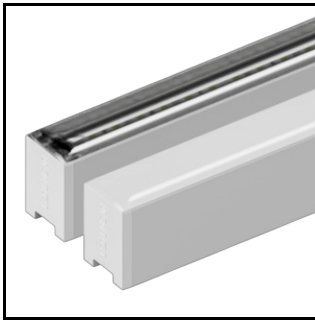


ADONIS ARCHITECTURAL RGBW Opal IP67

Order code: ADONIS ARCHITECTURAL RGBW HD20 W936 1014 W OL MOSSH IP67

TECHNICAL SPECIFICATIONS

Length	1,014 mm
Color temperature (CCT)	3600 K
CRI	up to 95
R9	up to 86
Lumen (Luminaire)	450 lm
Lumen/Meter	440 lm/m
Power of luminaire	20.3 W
Power	20 W/m
Efficiency	22 lm/W
Housing color	White
Case Temperature (Tc _{min} & Tc _{max})	Tc _{min} = -25°C, Tc _{max} = 80°C
Storage Temperature (Ts _{min} & Ts _{max})	Ts _{min} = -30°C, Ts _{max} = 85°C
Ambient Temperature (Ta _{min} & Ta _{max})	Ta _{min} = -25°C, Ta _{max} = 40°C
Ingress protection	IP67



Key Features

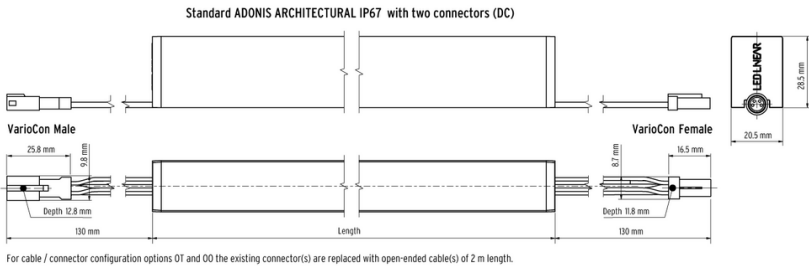
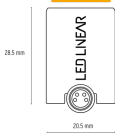


Technical Data/Performance



DIMENSIONS & AVAILABLE LENGTHS

20.5 mm x 28.5 mm



Fixture build to length (not field cuttable): $L = (N \times 83.33 \text{ mm}) + 14 \text{ mm}$; $N = 6 \dots 48$; $L_{\text{min}} = 514 \text{ mm}$; $L_{\text{max}} = 4,014 \text{ mm}$

ADONIS ARCHITECTURAL RGBW Opal IP67

Order code: ADONIS ARCHITECTURAL RGBW HD20 W936 1014 W OL MOSSH IP67

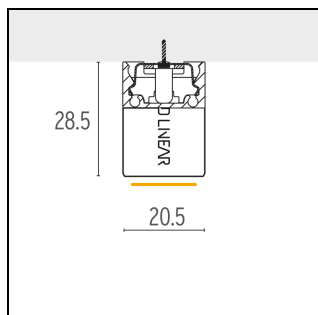
SPECIFICATION TEXT

24 V, IP67 protected and IK10 certified, linear surface-mounted LED luminaire with small form factor. Full polyurethane encapsulation with an opal polyurethane top layer offering a premium water proof sealing (values), UV resistance (no coloration or increase of absorption) chemical stability against urban gazes and protection against abrasion. Extruded H-shaped aluminum profile in white, gray or black color with connector(s) or open-ended cable(s) (length of 2 m), with included mounting accessory of choice. The translucent end caps enable seamless light lines while the solid endcaps eliminate light spills at both ends of the run. Ideal solution for facade accent or general lighting in outdoor or humid environments. Assembled using state of the art automated Reel-to-Reel (R2R) production process supporting LED Linear™ Tj Away® thin flexible circuit board technology.

In combination with ceramic LED packages (RGB) and CSP LEDs (white) a thermal resistivity of 43.3 K/W is achieved for an optimal heat dissipation (junction to installation surface) which guarantees a lifetime of 60,000 hrs (L80/B10 at RGB) and > 60,000 hrs (L80/B10 at white). Each steps is composed of 6 x "3 in 1" high quality Japanese RGB LEDs and 6 CSP white LEDs. Consistent light intensity all along the strip length is obtained thanks to active current regulation operated by dedicated integrated circuits (ICs) on each step. Protected against electrostatic discharge +/- 2,000 V. Fully PWM dimmable for frequency > 0 Hz up to 2 kHz (flicker free for frequency higher then 1.2 kHz according to IEEE P1789 standard). Engineered and produced in Germany.

MOUNTING ACCESSORIES

1. Surface Mounting fixed horizontal (SH)



Mounting accessories



VarioClip 010 Set

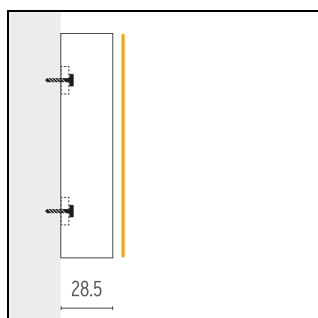
Description

Aluminum mounting clip with washer. Clips inside the fixture profile for invisible mounting. Use according to the mounting instruction.

Example of application



2. Surface Mounting fixed vertical (SV)



Mounting accessories



VarioClip 010



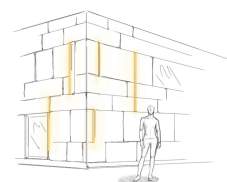
Sliding block C010 incl. screw

Description

Aluminum mounting clip with washer. Clips inside the fixture profile for invisible mounting. Use according to the mounting instruction.

Metal mounting block with set screw for vertical applications. Install inside the fixture profile to stop the fixture from sliding. Use according to the mounting instruction.

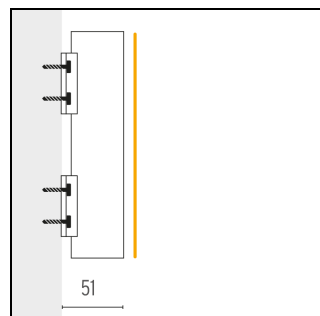
Example of application



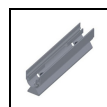
ADONIS ARCHITECTURAL RGBW Opal IP67

Order code: ADONIS ARCHITECTURAL RGBW HD20 W936 1014 W OL MOSSH IP67

3. Surface Mounting adjustable (SA)



Mounting accessories



Adjustable Mounting Clip C007/C010 L140 (silver anodized)



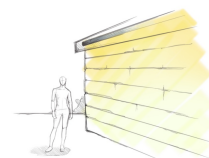
Adjustable Mounting Clip C007/C010 L140 (black anodized)

Description

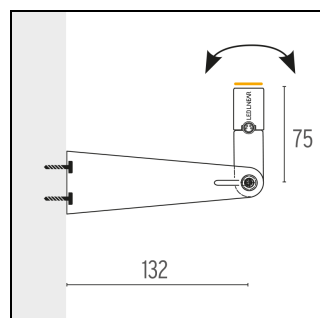
140 mm adjustable mounting clip with a tilt of 60° to each side, comes together with profile colors white and gray. Use according to the mounting instruction.

140 mm adjustable mounting clip with a tilt of 60° to each side, comes together with profile color black. Use according to the mounting instruction.

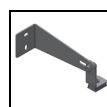
Example of application



4. Wall Mounted adjustable (WA)



Mounting accessories

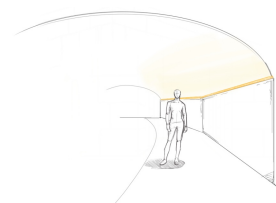


Contour 010 Adjustable Wall Mount

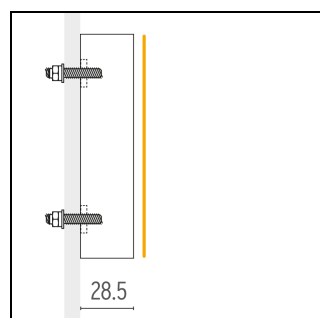
Description

Metal surface mounting adjustable wall arm. The set includes mounting block, mounting clip and adjusting screws. Tilts 140° in each direction and screw locks in position. Use according to the mounting instruction.

Example of application



5. Mounting Lock (ML)



Mounting accessories



Screw Kit M5 for Mounting Lock

Description

25 mm threaded pin with washer and nut. For a vandal resistant installation. Use according to the mounting instruction.

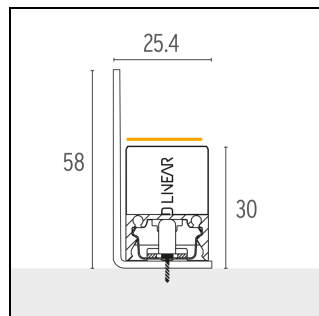
Example of application



ADONIS ARCHITECTURAL RGBW Opal IP67

Order code: ADONIS ARCHITECTURAL RGBW HD20 W936 1014 W OL MOSSH IP67

6. Glare Protection



Mounting accessories



Glare Shield white - 1 m
Art.-#: 10000622-
RAL9003-1m

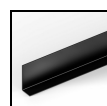
Description

Aluminium glare shield in 1 m length. For a better glare control for people passing by. Use according to the mounting instruction.



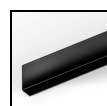
Glare Shield white - 2 m
Art.-#: 10000622-
RAL9003-2m

Aluminium glare shield in 2 m length. For a better glare control for people passing by. Use according to the mounting instruction.



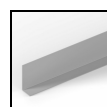
Glare Shield black - 1 m
Art.-#: 10000622-
RAL9005-1m

Aluminium glare shield in 1 m length. For a better glare control for people passing by. Use according to the mounting instruction.



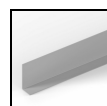
Glare Shield black - 2 m
Art.-#: 10000622-
RAL9005-2m

Aluminium glare shield in 2 m length. For a better glare control for people passing by. Use according to the mounting instruction.



Glare Shield gray - 1 m
Art.-#: 10000622-
RAL9022-1m

Aluminium glare shield in 1 m length. For a better glare control for people passing by. Use according to the mounting instruction.



Glare Shield gray - 2 m
Art.-#: 10000622-
RAL9022-2m

Aluminium glare shield in 2 m length. For a better glare control for people passing by. Use according to the mounting instruction.

Example of application



ADONIS ARCHITECTURAL RGBW Opal IP67

Order code: ADONIS ARCHITECTURAL RGBW HD20 W936 1014 W OL MOSSH IP67

POWER SUPPLY UNIT (PSU) & CONTROLS

Recommended PSU

VarioPSU 24V/40W IP67, 0-10V, Black
Art.-#: 16000152



Dimensions (L x H x W) :	150 mm x 35 mm x 53 mm
Electrical Class:	SK II
LED Drive:	CV
Voltage (V):	24 V
Rated Power (W):	40
Input Voltage (Vac):	90 – 305
Region:	WR
Certificates:	ENEC, UL
Schutzart:	IP67
Indoor/Outdoor:	Outdoor

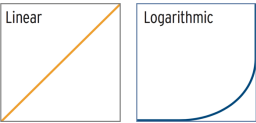
Recommended Control

VarioControl LinearDrive 720
Art.-#: 16000058



Dimensions (L x H x W) :	153 mm x 50 mm x 23 mm
Channels	4
Dimming Options	DALI ,DMX ,1–10V
Dimming	PWM (f ~ 1200Hz)
Dimming Curve	Linear/Logarithmic
Dimming Range	100% - 0%
Voltage (V):	12-48V
Certificates:	ENEC/UL/KEMA
Schutzart:	IP10
Indoor/Outdoor:	Indoor

Dimming



ADONIS ARCHITECTURAL RGBW Opal IP67

Order code: ADONIS ARCHITECTURAL RGBW HD20 W936 1014 W OL MOSSH IP67

VOLTAGE DROP INFORMATION FOR THE FEED-IN LINE (PSU / CONTROL TO FIXTURE)

Single

Power (Fixture)	20.3 W						
Cable cross section	0.25 mm ²	0.34 mm ²	0.5 mm ²	0.75 mm ²	1 mm ²	1.5 mm ²	2.5 mm ²
AWG (US)	23	22	20	18	17	15	13
Max feed-in length	7 m	9.6 m	14.1 m	21.1 m	28.2 m	42.2 m	70.4 m

Multiple

Fixture length	1.0 m						
Maximal run length at this power level*	4.0 m						
Feed-in cable cross section level	0.25 mm ²	0.34 mm ²	0.5 mm ²	0.75 mm ²	1 mm ²	1.5 mm ²	2.5 mm ²
AWG (US)	23	22	20	18	17	15	13
Max feed-in length	1.7 m	2.4 m	3.5 m	5.3 m	7.1 m	10.7 m	17.8 m

Calculation refers to the cable configuration on site.

The information listed in the table is only refers to the conductor-based voltage drop of max. 0.85V at 24V DC input voltage.

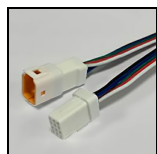
Regarding the electromagnetic compatibility (EMC) the maximum cable length is defined by the power supply manufacturer.

A cable length between power supply and planned product longer than indicated by the datasheet of the power supply is possible. However the electromagnetic compatibility can then be influenced by the conditions of the installation site. There is no data on electromagnetic compatibility for longer cable lengths, which might lead to the necessity of an evaluation of the electromagnetic compatibility by a third party.

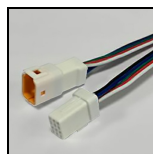
Datasheets and mounting instructions of the components in combination with the planned product must be carefully read and followed.

* The remaining 3.0 m admissible to reach the maximal run length with one feed-in can be completed by configuring ADONIS ARCHITECTURAL RGBW Opal IP67 with the same LED Tape in other lengths.

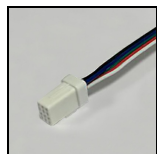
CABLING ACCESSORIES



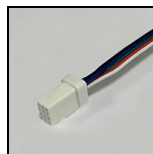
VarioCon Exten. Mini 5 x 0.2 mm² 2 m IP67
Art.-#: **15000327**
Required quantity: -



VarioCon Exten. Mini 5 x 0.2 mm² 5 m IP67
Art.-#: **15000328**
Required quantity: -



VarioCon Female Mini 5 x 0.2 mm² 2 m IP67
Art.-#: **15000330**
Required quantity: -



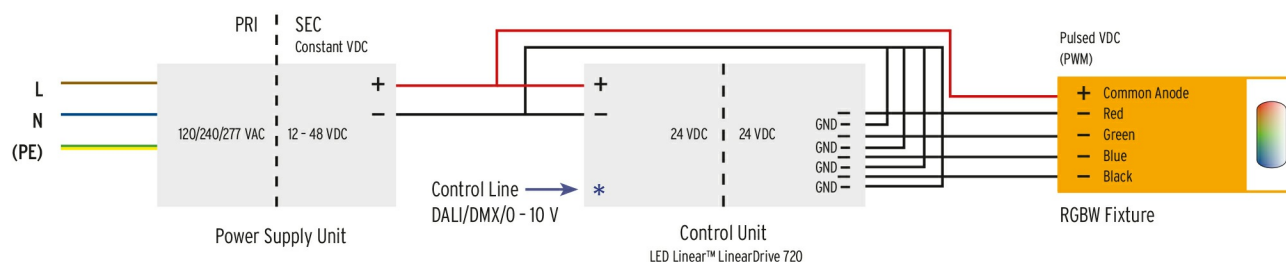
VarioCon Female Mini 5 x 0.2 mm² 1 m IP67
Art.-#: **15000331**
Required quantity: -

ADONIS ARCHITECTURAL RGBW Opal IP67

Order code: ADONIS ARCHITECTURAL RGBW HD20 W936 1014 W OL MOSSH IP67

WIRING DIAGRAM

Typical Wiring – Monochromatic



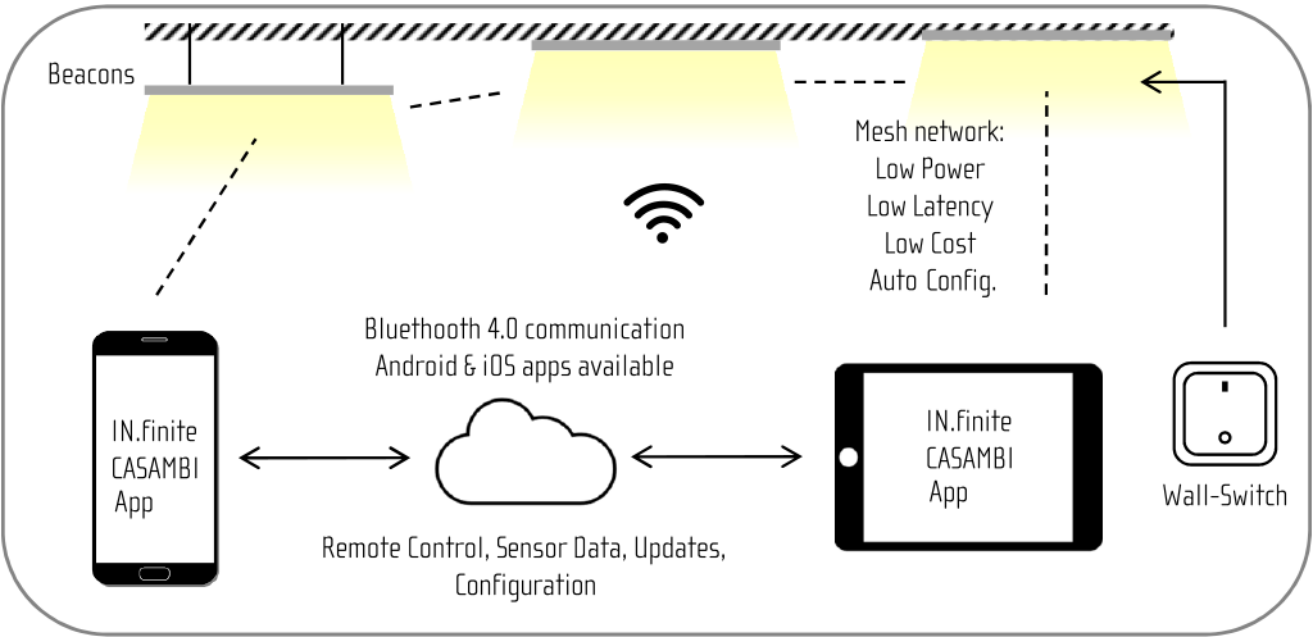
* Detailed information on the wiring of the control line is shown in the datasheet of the desired control gear

ADONIS ARCHITECTURAL RGBW Opal IP67

Order code: ADONIS ARCHITECTURAL RGBW HD20 W936 1014 W OL MOSSH IP67

TYPES OF ANALOG & DIGITAL CONTROL

DMX	DALI	Casambi BLE	DMX/RDM	1-10V	Switch-DIM
Digital control system which is particularly suitable for RGB and IQ White applications. With this system it is possible to dim luminaires and to set soft color gradients just in the range RGB.	Digital control system which is suitable especially for White and IQ White applications. With this system it is possible to dim the luminaires and to adjust soft gradients in the range White and IQ White.	Digital control system based on Bluetooth LE which is particularly suitable for applications in which a smart remote control is required. With this system it is possible to dim luminaires and to adjust soft gradients in the range White, IQ-White and RGB.	Digital control system which is particularly suitable for RGB and IQ White applications. With this system it is possible to dim luminaires and to set soft color gradients just in the range RGB.	Analog control system which is suitable for White applications. With this system it is possible to dim luminaires with a potentiometer via a control voltage (SELV).	Analog control system which is suitable for White applications. With this system it is possible to dim luminaires using commercially available switches on the mains voltage.



Quick start guide wireless Communication
Casambi Technologies' wireless lighting control solution is not just a lighting control system - Casambi is a technology based on Bluetooth Low Energy, Casambi has developed an own proprietary mesh network where all the intelligence of the system is replicated in every node and in such a way creates a system with no points of failure. The solution is selfhealing and self-organizing. In this kind of fully distributed and symmetric architecture any IN.finite Casambi unit can go offline and catch up from others when they return back online.