

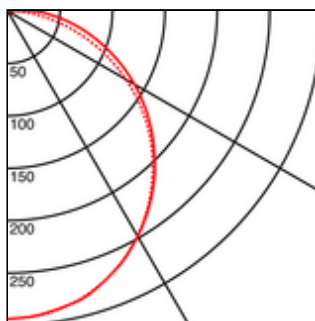
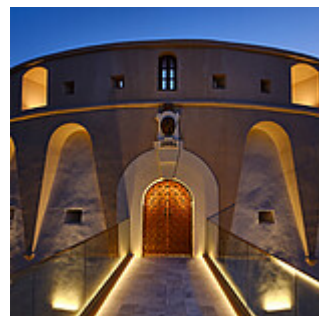
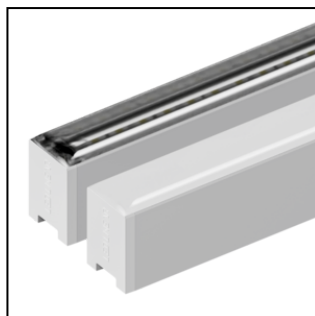
ADONIS ARCHITECTURAL RGBW Opal IP67

Order code: ADONIS ARCHITECTURAL RGBW HD40 W929 1014 G OL SADCS IP67

TECHNICAL SPECIFICATIONS

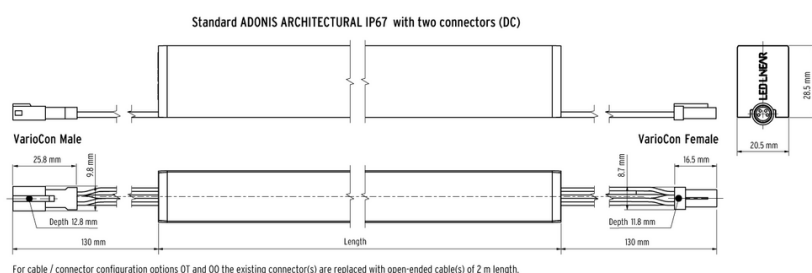
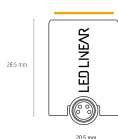


Length	1,014 mm
Color temperature (CCT)	2900 K
CRI	up to 95
R9	up to 86
Lumen (Luminaire)	1350 lm
Lumen/Meter	1330 lm/m
Power of luminaire	40.6 W
Power	40 W/m
Efficiency	27 lm/W
Housing color	Gray (RAL9022)
Case Temperature (T _{cmin} & T _{cmax})	T _{cmin} = -25°C, T _{cmax} = 80°C
Storage Temperature (T _{smin} & T _{smax})	T _{smin} = -30°C, T _{smax} = 85°C
Ambient Temperature (T _{amin} & T _{amax})	T _{amin} = -25°C, T _{amax} = 35°C
Ingress protection	IP67



DIMENSIONS & AVAILABLE LENGTHS

20.5 mm x 28.5 mm



Fixture build to length (not field cuttable): $L = (N \times 83.33 \text{ mm}) + 14 \text{ mm}$; $N = 4 \dots 48$; $L_{\min} = 347 \text{ mm}$; $L_{\max} = 4,014 \text{ mm}$

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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.

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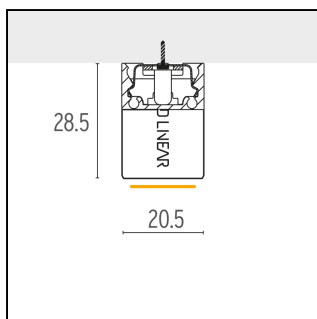
MOUNTING ACCESSORIES

1. Surface Mounting fixed horizontal (SH)

Mounting accessories

Description

Example of application



VarioClip 010 Set
 Digits in order
 code: SH

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

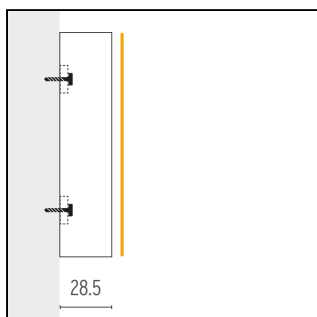


2. Surface Mounting fixed vertical (SV)

Mounting accessories

Description

Example of application



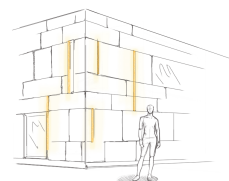
VarioClip 010
 Digits in order
 code: SV



Sliding block C010
 incl. screw
 Digits in order
 code: SV

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.



ADONIS ARCHITECTURAL RGBW Opal IP67

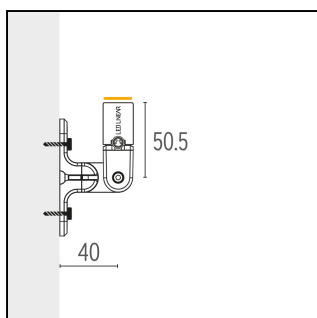
Order code: ADONIS ARCHITECTURAL RGBW HD40 W929 1014 G OL SADCS IP67

3. Adjustable arm

Mounting accessories

Description

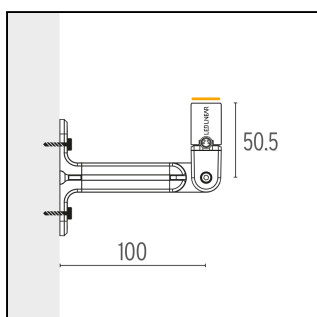
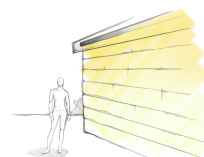
Example of application



Adjustable arm L40

40 mm adjustable mounting arm. Supplied according to the selected profile color (RAL9003, RAL9005, RAL9022). The set includes mounting clip incl. screws for fixing the luminaire. Allows tilting by 120° in any direction. Use according to the installation instructions.

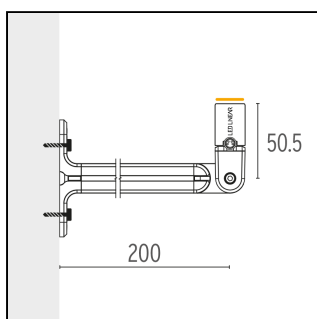
Digits in order code: A0



Adjustable arm L100

100 mm adjustable mounting arm. Supplied according to the selected profile color (RAL9003, RAL9005, RAL9022). The set includes mounting clip incl. screws for fixing the luminaire. Allows tilting by 120° in any direction. Use according to the installation instructions.

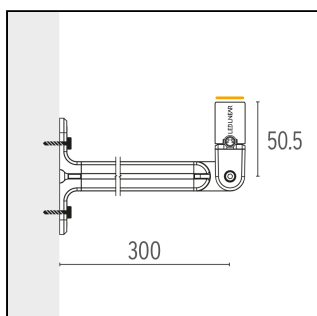
Digits in order code: A1



Adjustable arm L200

200 mm adjustable mounting arm. Supplied according to the selected profile color (RAL9003, RAL9005, RAL9022). The set includes mounting clip incl. screws for fixing the luminaire. Allows tilting by 120° in any direction. Use according to the installation instructions.

Digits in order code: A2



Adjustable arm L300

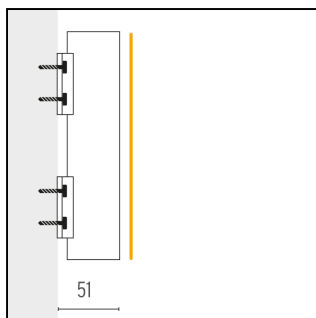
300 mm adjustable mounting arm. Supplied according to the selected profile color (RAL9003, RAL9005, RAL9022). The set includes mounting clip incl. screws for fixing the luminaire. Allows tilting by 120° in any direction. Use according to the installation instructions.

Digits in order code: A3

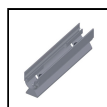
ADONIS ARCHITECTURAL RGBW Opal IP67

Order code: ADONIS ARCHITECTURAL RGBW HD40 W929 1014 G OL SADCS IP67

4. Surface Mounting adjustable (SA)



Mounting accessories



Adjustable Mounting Clip C007/C010 L140 (silver anodized)
 Digits in order code: SA



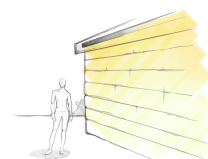
Adjustable Mounting Clip C007/C010 L140 (black anodized)
 Digits in order code: SA

Description

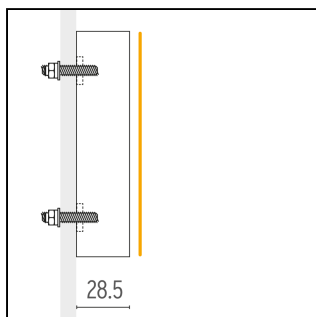
140 mm adjustable mounting clip with a tilt of 60° to each side, comes together with profile colors white and gray. Use according to the mounting instruction.

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



5. Mounting Lock (ML)



Mounting accessories



Screw Kit M5 for Mounting Lock
 Digits in order code: ML

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

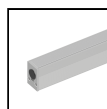
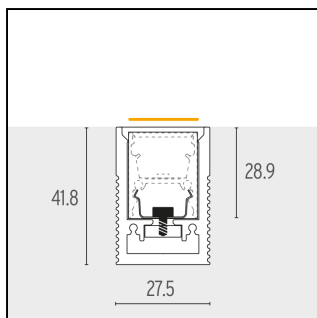
Order code: ADONIS ARCHITECTURAL RGBW HD40 W929 1014 G OL SADCS IP67

6. Inground mounting frame (IF)

Mounting accessories

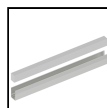
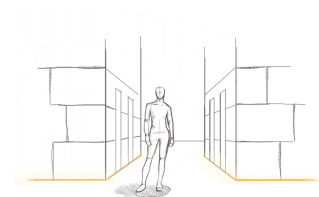
Description

Example of application



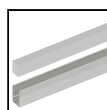
Inground Frame Set
(L x H x W) luminaire
length x 41.8 mm x
27.5 mm
Digits in order code: IF

Aluminum frame (silver anodized)
cut to luminaire length incl.
styrofoam dummy and endcap/clip
set for stand-alone luminaire
applications. Use according to the
mounting instruction.



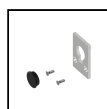
Inground Frame 2 m
w/ dummy
(L x H x W) 2000 mm
x 41.8 mm x 27.5 mm
Art.-#: 10000639-2m

Aluminum frame (silver anodized) in
2 m length incl. styrofoam dummy
for lightline applications. Use
according to the mounting
instruction.



Inground Frame 4 m
w/ dummy
(L x H x W) 4000 mm
x 41.8 mm x 27.5 mm
Art.-#: 10000639-4m

Aluminum frame (silver anodized) in
4 m length incl. styrofoam dummy
for lightline applications. Use
according to the mounting
instruction.



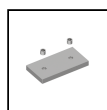
Inground Frame
Endcap Set
Art.-#: 11000310-SIL

Aluminum endcap with screws and
sealing plug. Required to cover the
ends of the inground frame before
installation. Use according to the
mounting instruction.



Inground Frame Clip
Set
Art.-#: 13000504

Clip with mounting lock, screw and
washer for inground frame. Use
according to the mounting
instruction.



Inground Frame
Connector
Art.-#: 13000503

Aluminium connector for joining
inground frames to create lightlines.
Use according to the mounting
instruction.



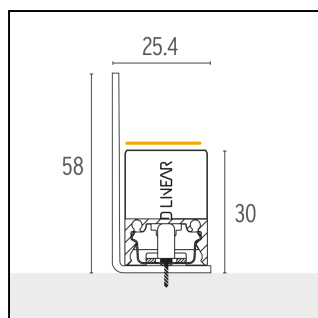
Disassembly Tool For
Inground Frame
Art.-#: 13100032

Use to take the fixture out of the
inground frame. Use according to
the mounting instruction.

ADONIS ARCHITECTURAL RGBW Opal IP67

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7. Glare Protection



Mounting accessories



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

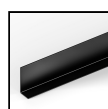
Description

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



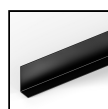
Glare Shield white - 2 m
 Art.-#: 10000622-
 RAL9003-2m

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



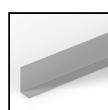
Glare Shield black - 1 m
 Art.-#: 10000622-
 RAL9005-1m

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



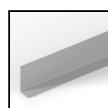
Glare Shield black - 2 m
 Art.-#: 10000622-
 RAL9005-2m

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



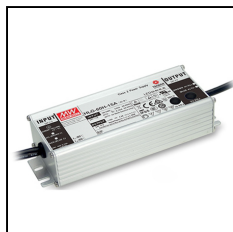
ADONIS ARCHITECTURAL RGBW Opal IP67

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POWER SUPPLY UNIT (PSU) & CONTROLS

Recommended PSU

VarioPSU 24V/60W IP67, ON/OFF, Silver
Art.-#: 16000061



Dimensions (L x H x W): **171 mm x 36.8 mm x 61 mm**
Electrical Class: **SK I**
LED Drive: **CV**
Voltage (V): **24 V**
Rated Power (W): **60**
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**

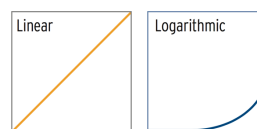
Recommended PSU

VarioPSU 24V/60W IP67, 0-10V, Black
Art.-#: 16000153



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): **60 W**
Input Voltage (Vac): **90 – 305**
Region: **WR**
Certificates: **ENEC, UL**
Schutzart: **IP67**
Indoor/Outdoor: **Outdoor**

Dimming



ADONIS ARCHITECTURAL RGBW Opal IP67

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

Single

Power (Fixture)	40.6 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	3.5 m	4.8 m	7 m	10.6 m	14.1 m	21.1 m	35.2 m

Multiple

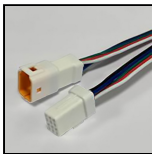
Fixture length	1.0 m						
Maximal run length at this power level*	2.0 m						
Feed-in cable cross section level	0.25 mm ²	0.34 mm ²	0.5 mm ²	0.75 mm ²	1 mm ²	1.5 mm ²	2.5 mm ²
AWG (US)	23	22	20	18	17	15	13
Max feed-in length	1.7 m	2.4 m	3.5 m	5.3 m	7.1 m	10.7 m	17.8 m

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.

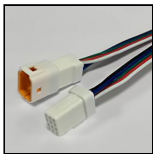
Regarding the electromagnetic compatibility (EMC) the maximum cable length is defined by the power supply manufacturer.
A cable length between power supply and planned product longer than indicated by the datasheet of the power supply is possible. However the electromagnetic compatibility can then be 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 1.0 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.

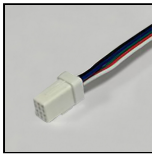
CABLING ACCESSORIES



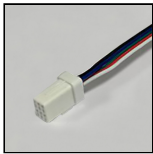
VarioCon Exten. Mini 5 x 0.2 mm² 2 m IP67
Art.-#: **15000327**
Required quantity: -



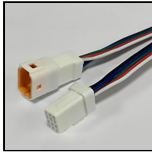
VarioCon Exten. Mini 5 x 0.2 mm² 5 m IP67
Art.-#: **15000328**
Required quantity: -



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: -



VarioCon Exten. Mini 5 x 0.2 mm² 1 m IP67
Art.-#: **15000367**
Required quantity: -

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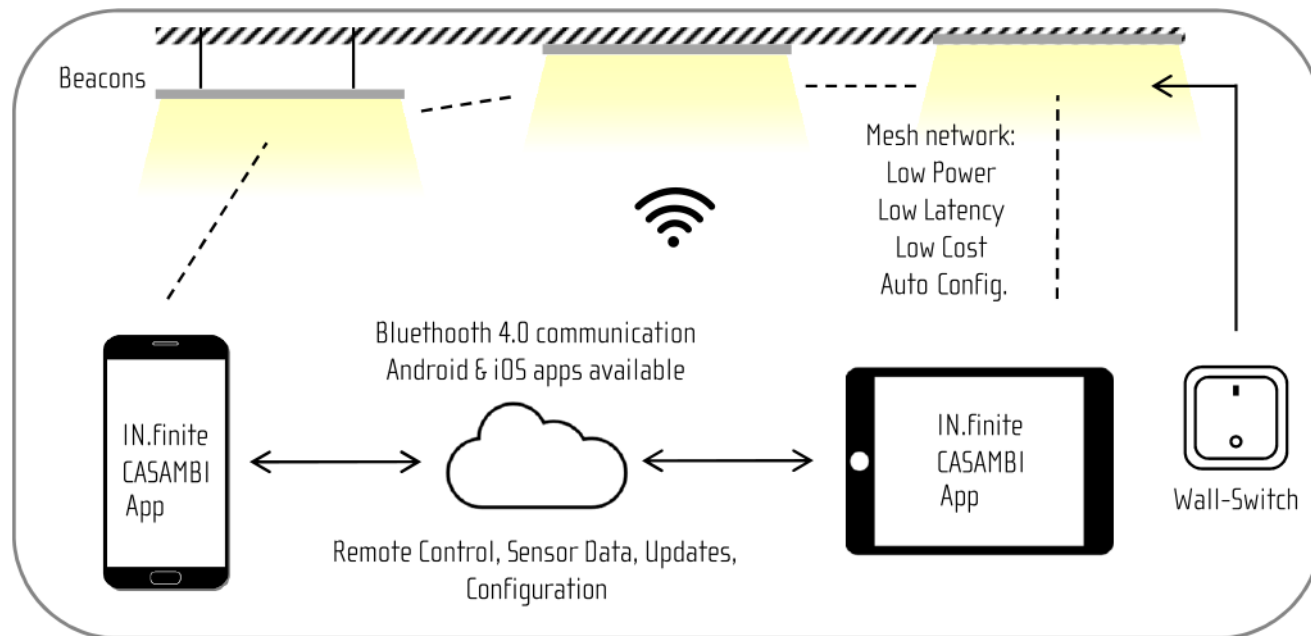
WIRING DIAGRAM

Typical Wiring – Monochromatic

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

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.