DayTech LED

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OUTDOOR ARCHITECTURAL LIGHTING · PRODUCT SPECIFICATION

RGBW LED Wall Washer

PART NO. **WW-RGBW-36W-24V-1218MM**

36 W · 24 V DC · 1218 mm (4 ft) · IP66 linear wall washer



36 W SYSTEM POWER	**24 V DC** INPUT VOLTAGE
1218 mm LENGTH (4 FT)	**IP66** OUTDOOR RATED · IK06
RGBW 3000 K WHITE	**50,000 h** RATED LIFE

PRODUCT CHARACTERISTICS

- Multi-layer waterproof build for reliable outdoor use
- Intelligent control with dynamic lighting effects
- Multi-angle bracket aims light at the target area
- Corrosion-resistant aluminum heat sink extends LED life
- High brightness, low energy use for large areas
- 15×45° optic, low-glare, uniform light
- Quick-connect links speed installation & service
- DMX/RDM control

STRUCTURE

COLOUR RANGE	RGBW (3000K white)
	White 3000K
OPTICS	15×45°
	Single optic option
HOUSING	Aluminum alloy 6063
COVER LENS	Tempered glass
ENVIRONMENT	Outdoor, IP66 · IK06
INPUT VOLTAGE	24 V DC
LENGTHS	1218 · 1002 · 615 · 507 · 314 mm
LIGHT LIFE	50,000 hours
WARRANTY	3 years
OPERATING TEMP.	–20 °C to +40 °C

ELECTRONIC & LUMEN

WW-RGBW-36W-24V-1218MM			**36 W**
RGBW (3000K)	1,620 lm	45 lm/W	
RGB	1,260 lm	35 lm/W	
White (3000K)	4,680 lm	130 lm/W	
WW-RGBW-36W-24V-1002MM			**36 W**
RGBW (3000K)	1,315 lm		
WW-RGBW-18W-24V-615MM			**18 W**
RGBW (3000K)	810 lm	45 lm/W	
RGB	630 lm	35 lm/W	
White (3000K)	2,340 lm	130 lm/W	
WW-RGBW-9W-24V-314MM			**9 W**
RGBW (3000K)	405 lm	45 lm/W	
RGB	315 lm	35 lm/W	
White (3000K)	1,080 lm	120 lm/W	

Columns: light source · luminous flux · efficacy. Measured with 10° / 20° optics.

Specifications subject to change without notice.

ORDERING INFORMATION

WW	RGBW	36W	24V	1218MM
WALL WASHER	COLOUR	POWER	INPUT VOLTAGE	LENGTH

Part numbers follow **Type – Colour – Watts – Voltage – Length**. Use the fillable order selection below to choose the model, white CCT, beam angle and control type. Accessories are on page 3.

PART NUMBER	LENGTH	POWER	VOLTAGE	RGBW FLUX	WEIGHT	PACK
WW-RGBW-36W-24V-1218MM	1218 mm · 4 ft	36 W	24 V DC	1,620 lm	1.7 kg	8 / carton
WW-RGBW-36W-24V-1002MM	1002 mm · 3.3 ft	36 W	24 V DC	1,315 lm	1.5 kg	TBC
WW-RGBW-18W-24V-615MM	615 mm · 2 ft	18 W	24 V DC	810 lm	1.0 kg	12 / carton
WW-RGBW-18W-24V-507MM	507 mm · 1.7 ft	18 W	24 V DC	TBC	TBC	TBC
WW-RGBW-9W-24V-314MM	314 mm · 1 ft	9 W	24 V DC	405 lm	0.7 kg	20 / carton

ORDER SELECTION

Fillable form · click a field to select or type

PART NUMBER (UPDATES PAGE HEADERS)	WHITE CCT	BEAM ANGLE	CONTROL	QUANTITY
WW-RGBW-36W-24V-1218MM	3000K	15×45°	DMX/RDM	

PROJECT NAME	FIXTURE TYPE / TAG	NOTES

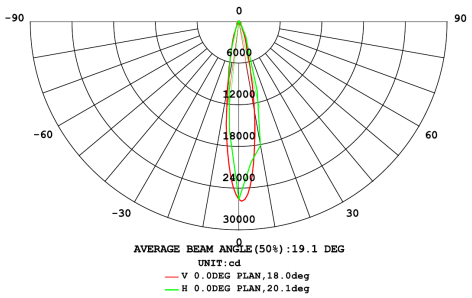
OPTICS



15×45°

CANDELA DISTRIBUTION

4 ft (1218 mm) model, direct view



CONTROL · RATING · CERTIFICATIONS

DMX RDM (DMX/RDM) — CONTROL

IP66 IK06 — RATING

ETL US · CE · WEEE — CERTIFICATIONS

PACKAGING

24 V DC

LENGTH	1218 mm	1002 mm	615 mm	314 mm
NET WEIGHT	1.7 kg ±5%	1.5 kg ±5%	1.0 kg ±5%	0.7 kg ±5%
QUANTITY	8 / ctn	TBC	12 / ctn	20 / ctn
CARTON (CM)	127×33×25.5	TBC	67×48.5×25.5	71.5×38×25.5

100–240 V AC / 100–277 V AC

LENGTH	1218 mm	1002 mm	615 mm	314 mm
NET WEIGHT	2.6 kg ±5%	2.3 kg ±5%	1.5 kg ±5%	0.9 kg ±5%
QUANTITY	6 / ctn	TBC	12 / ctn	16 / ctn
CARTON (CM)	127×23.5×32.5	TBC	66.5×45.5×32.5	71.5×31×32.5

ACCESSORIES

INPUT CABLE	WW-RGBW-INP-CBL
T-CABLE	WW-RGBW-T-CBL
LINK CABLE	WW-RGBW-BRK-CBL
END CAP	WW-RGBW-EC
ARM BRACKET	WW-RGBW-ARM-BRK
DMX ADDRESSING	DMXHCD
GRILLE / BARRIER	See drawings, pages 4–5

Details and fillable quantities on page 3.

ACCESSORIES & CONTROL COMPONENTS

Cables, end caps, brackets and DMX addressing for WW-RGBW wall washer runs. Order separately; enter a quantity beside each part to add it to your order.

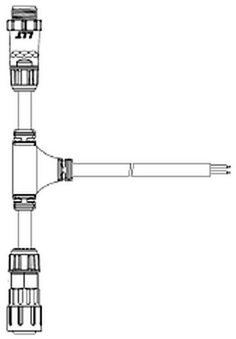


WW-RGBW-INP-CBL

INPUT CABLE · 3 M

Black 3 m input cable from controller to fixture. 5-pin female connector one end, bare wire the other.

QTY



WW-RGBW-T-CBL

T-CABLE · 0.5 M

0.5 m 5-pin male and 0.5 m 5-pin female leads, with a 3 m 2-pin bare power lead for mid-run power feed.

QTY



WW-RGBW-BRK-CBL

LINK CABLE · 0.3 M

0.3 m link cable with 5-pin male and 5-pin female connectors for joining fixtures.

QTY



WW-RGBW-EC

END CAP

Waterproof end cap for the last fixture in a 24 V wall washer run.

QTY



WW-RGBW-ARM-BRK

ARM BRACKET · 46 CM (1'-6")

Extends the grazer out from the façade; one side mounts to the façade, the other to the fixture. 2 per 1218 mm (4 ft) fixture.

QTY



DMXHCD

DMX ADDRESS WRITER

Handheld writer that sets the DMX address of RGBW fixtures. 132 × 49 × 36 mm.

QTY

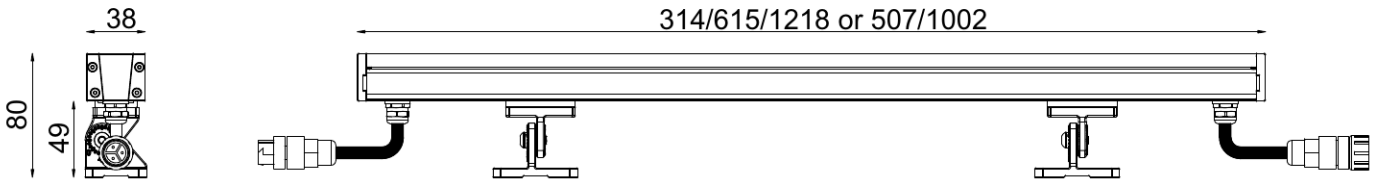
ALSO AVAILABLE

- Grille cover, extended bracket and light barrier – see drawings on pages 4–5.
- DMX control: LUNA 8 / Madrix (page 6) or the STICK-DE3 touch wall controller (page 8).
- Arm brackets: use 2 × WW-RGBW-ARM-BRK per 1218 mm (4 ft) fixture.

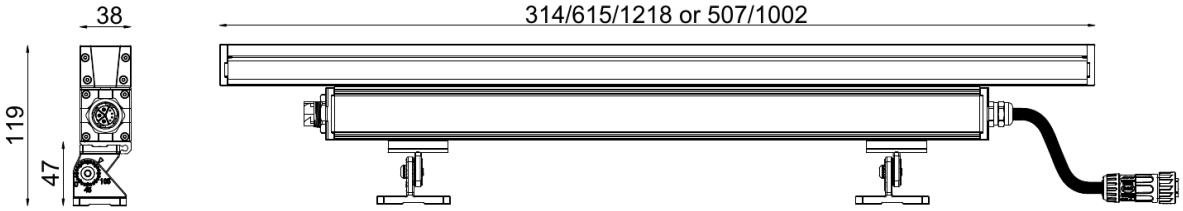
DIMENSION DRAWING

Unit: mm · lengths 314 / 615 / 1218 or 507 / 1002

24 V DC CONFIGURATION

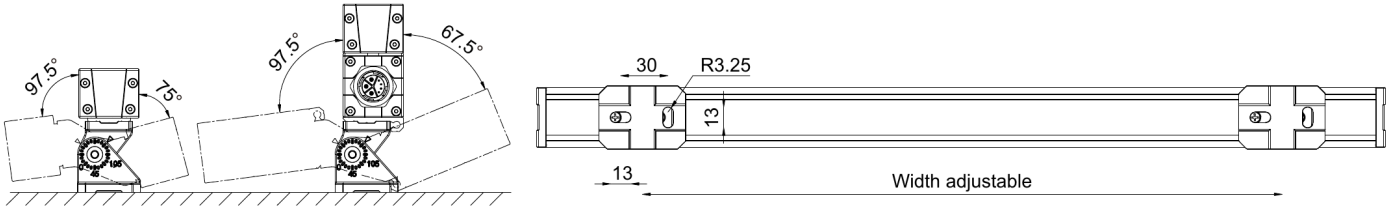


100–240 V AC / 100–277 V AC CONFIGURATION



INSTALLATION

Fix the brackets with **M6 tapping screws**; mounting dimensions as shown.

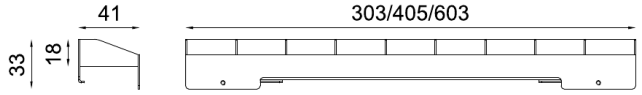


ANGLE ADJUSTMENT

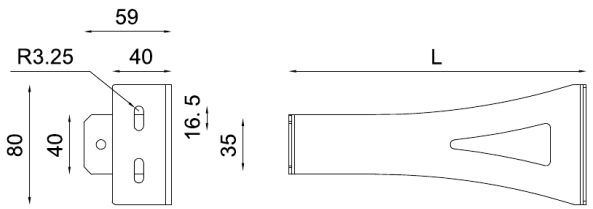
The bracket rotates 7.5° per scale line: up to 172.5° in total on the low-voltage (24 V DC) model and 165° on the high-voltage model. Loosen the screw with a hex wrench, rotate the fixture to the required angle, then re-tighten.

ACCESSORY DRAWINGS

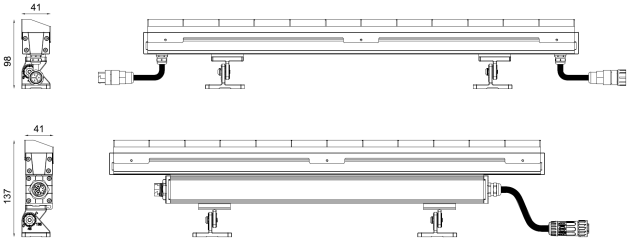
GRILLE COVER



EXTENDED BRACKET

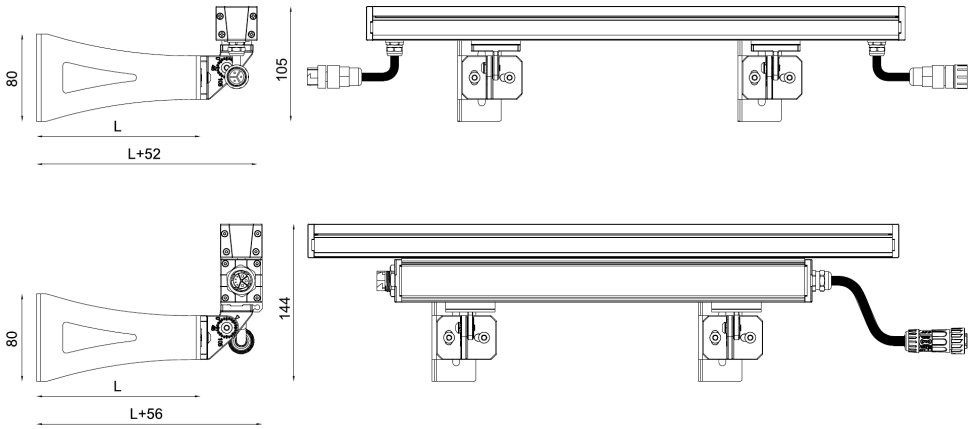


LIGHT + GRILLE COVER

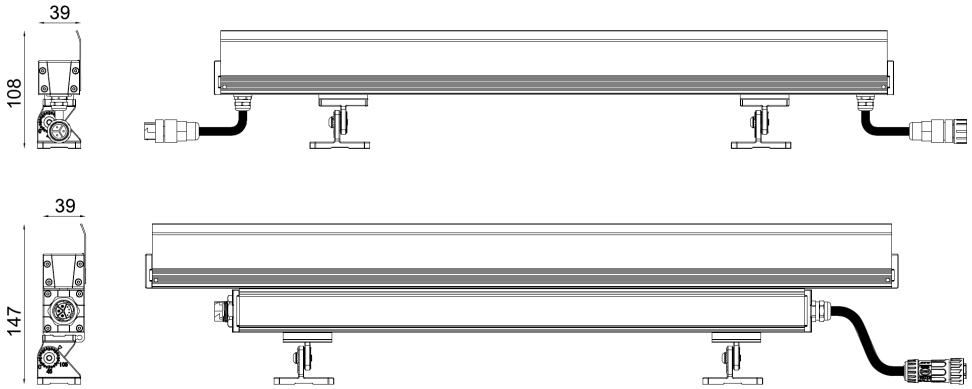


ACCESSORY DRAWINGS (CONTINUED)

LIGHT + EXTENDED BRACKET

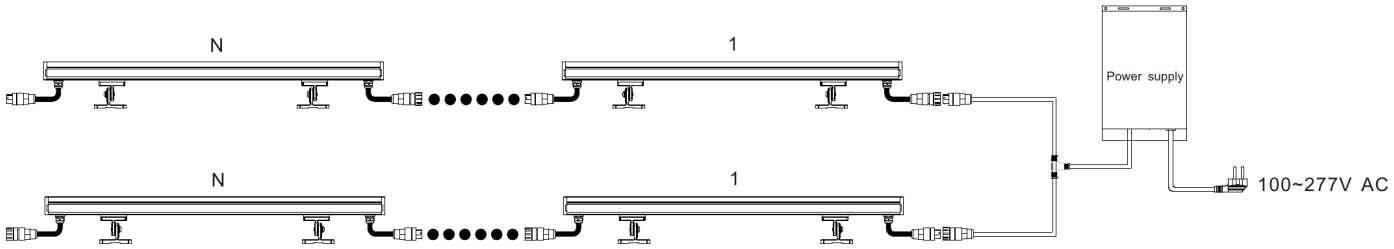


LIGHT + LIGHT BARRIER

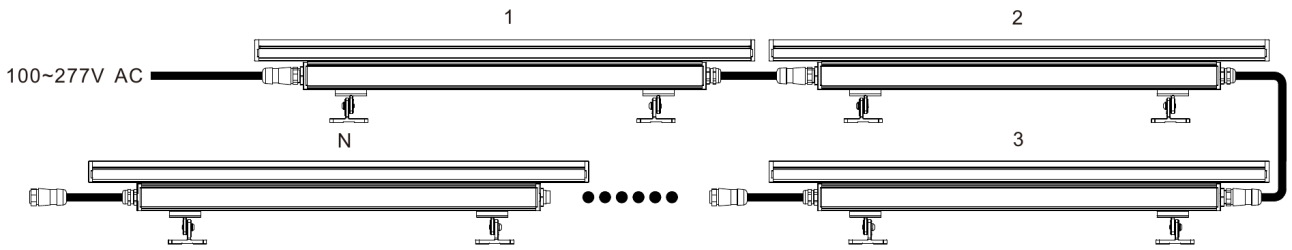


SYSTEM DIAGRAM · STEADY COLOUR

24 V DC TYPE



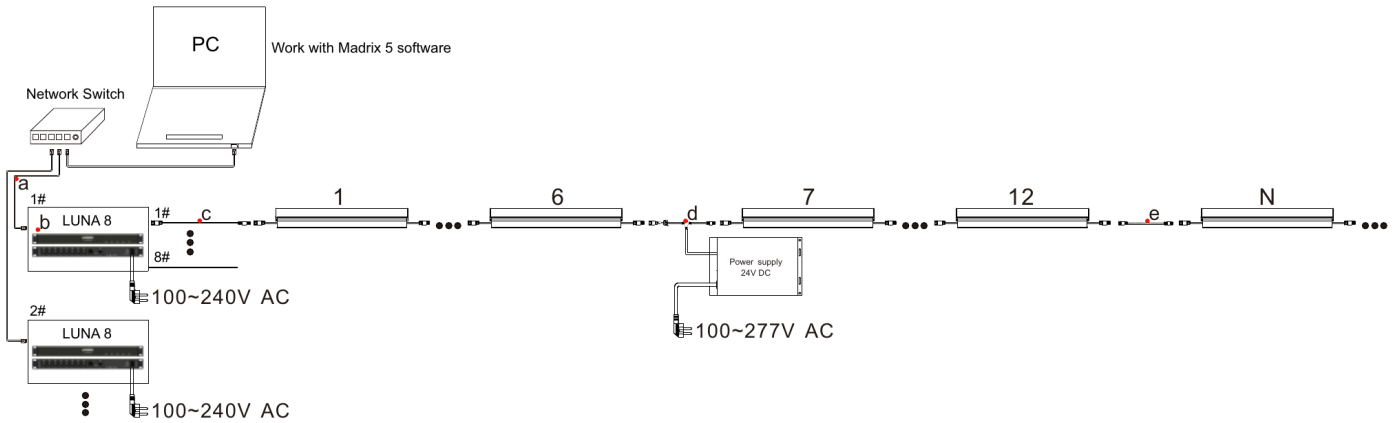
100–277 V AC TYPE



SYSTEM DIAGRAM · DMX CONTROL

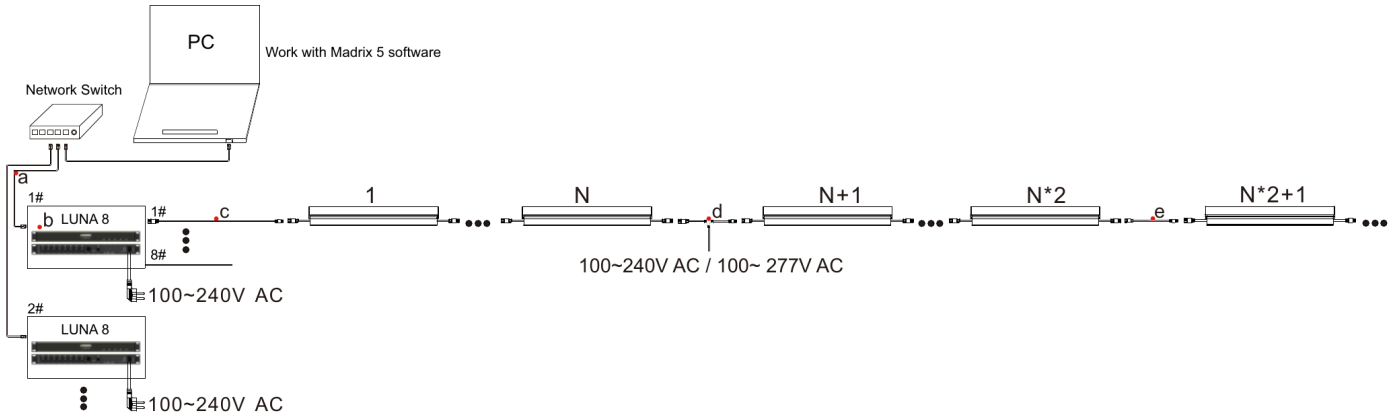
Compatible: Nicolaudie STICK-DE3 (page 8), Sunlite, MATRIX, PHAROS, MR and other DMX controllers. Shown: LUNA 8 + Madrix 5.

24 V DC TYPE



a. RJ45 cable;
b. Artnet controller LUNA8
c. XLR-5 to LLT-5 signal cable;
d. T-cable: 5-Pin LLT(Power+Signal);
e. Break cable: 5-Pin LLT(Signal);

100–240 V AC / 100–277 V AC TYPE



a. RJ45 cable;
b. Artnet controller LUNA8;
c. XLR-5 to LLT-6 signal cable;
d. T-cable: 6-Pin LLT(Power+Signal);
e. Break cable: 6-Pin LLT(Signal).

CONNECTION QUANTITY (MAX. FIXTURES PER RUN)

PART NO.	WW-RGBW-36W · 1218 / 1002 MM				WW-RGBW-18W-24V-615MM				WW-RGBW-9W-24V-314MM			
VOLTAGE	24V DC	100V AC	220V AC	277V AC	24V DC	100V AC	220V AC	277V AC	24V DC	100V AC	220V AC	277V AC
POWER	3 pcs	16 pcs	36 pcs	46 pcs	6 pcs	33 pcs	73 pcs	92 pcs	13 pcs	66 pcs	146 pcs	184 pcs
SIGNAL	32 pcs (16 CH/pc)				64 pcs (8 CH/pc)				128 pcs (4 CH/pc)			

Run limits are by fixture wattage; the 1002 mm model (36 W) follows the 36 W values.

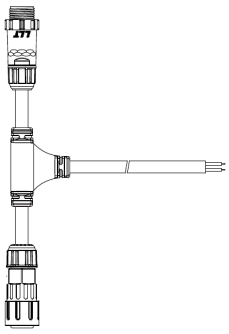
WIRE DISTRIBUTION

LOW VOLTAGE TYPE (24 V DC)

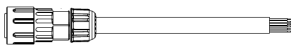
Extension cable



T-cable



Signal output cable

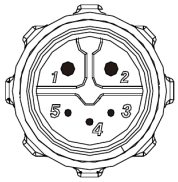


output



Female connector

input



Male connector

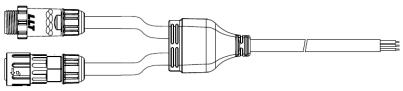
Wire#	Description	Color
1	V+	Black
2	V-	White
3	A+	Purple
4	B-	Pink
5	PI/PO	Yellow

HIGH VOLTAGE TYPE (100–277 V AC)

Extension cable



Y-cable



Signal output cable

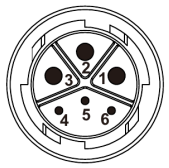


output



Female connector

input



Male connector

Wire#	Description	Color
1	N	White
2	E	Green
3	L	Black
4	B-	Pink
5	GND	Yellow
6	A+	Purple

CAUTION

1. Do not connect power while the product is still in its packaging.
2. Do not cover the fixture during operation.
3. Do not use this product in an enclosed environment.
4. If the product appears damaged, do not attempt repair — contact your DayTech LED representative.

WARNING Twist each connector fully closed to prevent water ingress and fixture failure.

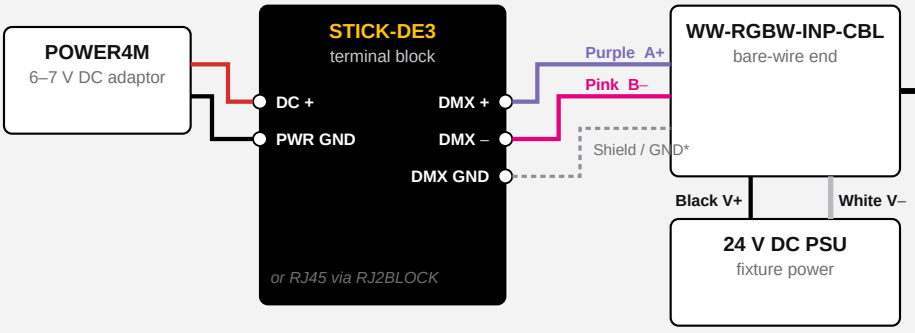
COMPATIBLE DMX CONTROLLER · NICOLAUDIE STICK-DE3

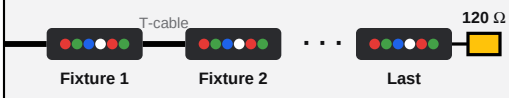


The **STICK-DE3** touch wall controller drives the **24 V DC native-DMX** WW-RGBW wall washers directly. Its DMX+ / DMX– outputs connect straight to the fixture's **A+ / B–** signal pair. No decoder or converter is needed. Program colours, scenes and effects with the free **Generic RGBW** profile.

OUTPUT PROTOCOL	DMX512 × 2 universes · 1024 channels
SCENES / ZONES	500 scenes · 10 zones · clock & sunrise/sunset triggers
CONTROLLER POWER	6–7 V DC, 0.6 A (POWER4M adaptor) · separate from fixture supply
PROGRAMMING	ESA Pro / ESA2 (PC, Mac) · iOS & Android apps
CONNECTIONS	Screw-terminal block, RJ45 (power + DMX), Ethernet, USB
MOUNTING	Single or double gang box · 146 × 106 × 11 mm · black or white glass

WIRING · STICK-DE3 TO 24 V DC WALL WASHERS





FROM	FIXTURE INPUT	WIRE COLOUR
DMX +	Pin 3 · A+	Purple
DMX –	Pin 4 · B–	Pink
24 V +	Pin 1 · V+	Black
24 V –	Pin 2 · V–	White
—	Pin 5 · PI/PO	Yellow: insulate*

INSTALLATION IN 5 STEPS

1. **Mount & power the controller**
   Fit the STICK-DE3 in a single or double gang box. Power it from its own 6–7 V DC POWER4M adaptor. Never connect it to the 24 V fixture supply.
2. **Run the DMX signal**
   Connect DE3 DMX+ to purple (A+) and DMX– to pink (B–) on the WW-RGBW-INP-CBL. Use shielded twisted-pair DMX cable.
3. **Power the fixtures**
   Connect the 24 V DC supply V+ to black and V– to white. Daisy-chain fixtures with T-cables and extension cables.
4. **Address & terminate**
   Set each fixture's start address with the DMXHCD writer. Fit a 120 Ω resistor across A+ / B– at the last fixture.
5. **Program & play**
   Write scenes with ESA Pro / ESA2 using the Generic RGBW profile, then control from the wall or the DMX Lightpad 3 app.

CAPACITY PER STICK-DE3

FIXTURE	CH / PC	1 UNIV.	2 UNIV.
WW-RGBW-36W · 1218/1002	16	32	64
WW-RGBW-18W · 615	8	64	128
WW-RGBW-9W · 314	4	128	256

Max. fixtures by DMX channels. Power limits per run still apply (page 6).

IMPORTANT

- Check pin configuration: applying power to the DMX output will damage the controller.
- DMX ground: connect to the cable shield. Tie to 24 V V– only if a reference is required.*
- Universe 2 is available on the RJ45 / extension socket for runs beyond 512 channels.
- AC-type (100–277 V) fixtures use the same A+ / B– signal pair.

STICK-DE3 QTY _____ POWER4M QTY _____