Ultra flat LED Pool Light - UF-DVA- Series

Function

Ultra flat LED Pool Light DVA Series features a lamp with 2mm thick ultra flat stainless steel 316 face plate and matching mounting ring that will be fitted in its niche. The lamps offers a range of fixed colours and dynamic scenarios. Best paired with Remote - Link Touch to have a wider range of control functions such as pool light colour temperature and dimming level adjustment. The LED lamp is fully sealed so water cannot penetrate or damage the fixture. Fitted with the Quick Connect cabling system that is reliable and easy to mount.

RGB LED lights have an embedded 14 programmed animation can be controlled using the Link Driver (RM-200) or by simply turning off and on the lamps in a sequenced manner. Use Link Controller (RM-Link) paired with Link Touch Remote for additional configurations such as Light Dimming function, colour temperature adjustment and more.

Specifications

Power
33W -85W

Voltage
12V AC

Colours
RGBW / White

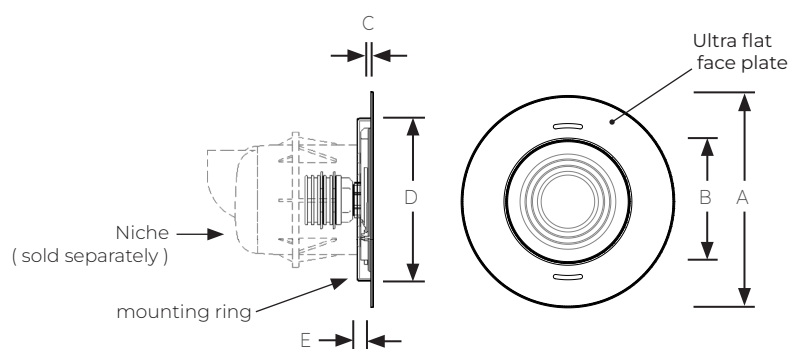**Beam Angle:**
116 °

Control
On/off or PLC

Dimmable
Use with Link Touch

Cable
2 C - 1 mm²

Standard Cable Length
2 meters

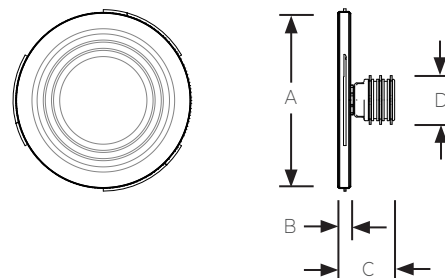**Temperature range:**
+40° water temperature

Protection Rating:
IP 68 , IEC class III

Ultra flat face plate

Niche
(sold separately)

mounting ring

Model No.	Description	Colour	Power (W)	Luminous flux (lm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
UF-DVA-050-RGBW	Ø50 DVA- RGBW Ultra flat Pool light with mounting ring	RGBW	10	650	100	50	2	84	11
UF-DVA-050-WW	Ø50 DVA- Warm White Ultra flat Pool light with mounting ring	White (3500K)	8.5	800	100	50	2	84	11
UF-DVA-050-WH	Ø50 DVA- White Ultra flat Pool light with mounting ring	White (7700K)	8.5	800	100	50	2	84	11
UF-DVA-100-RGBW	Ø100 DVA- RGBW Ultra flat Pool light with mounting ring	RGBW	25	1900	170	100	2	132	11
UF-DVA-100-WW	Ø100 DVA- Warm White Ultra flat Pool light with mounting ring	White (3500K)	25	2600	170	100	2	132	11
UF-DVA-100-WH	Ø100 DVA- White Ultra flat Pool light with mounting ring	White (7700K)	25	2600	170	100	2	132	11
UF-DVA-170-RGBW	Ø100 DVA- RGBW Ultra flat Pool light with mounting ring	RGBW	50	3800	270	170	2	208	11
UF-DVA-170-WW	Ø100 DVA- Warm White Ultra flat Pool light with mounting ring	White (3500K)	50	5500	270	170	2	208	11
UF-DVA-170-WH	Ø100 DVA- White Ultra flat Pool light with mounting ring	White (7700K)	50	5500	270	170	2	208	11

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LED Pool Lamp

Model No.	Description	Colour	Power (W)	Luminous flux (lm)	A (mm)	D (mm)	C (mm)	D (BSP)
DVA-050-RGBW	Ø50 DVA - RGBW Pool lamp	RGBW	10	650	50	10	55	1.5
DVA-050-WW	Ø50 DVA - Warm White Pool lamp	White (3500K)	8.5	800	50	10	55	1.5
DVA-050-WH	Ø50 DVA - White Pool lamp	White (7700K)	8.5	800	50	10	55	1.5
DVA-100-RGBW	Ø100 DVA - RGBW Pool lamp	RGBW	25	1900	100	10	55	1.5
DVA-100-WW	Ø100 DVA - Warm White Pool lamp	White (3500K)	25	2600	100	10	55	1.5
DVA-100-WH	Ø100 DVA - White Pool lamp	White (7700K)	25	2600	100	10	55	1.5
DVA-170-RGBW	Ø170 DVA - RGBW Pool lamp	RGBW	50	3800	170	10	55	1.5
DVA-170-WW	Ø170 DVA - Warm White Pool lamp	White (3500K)	50	5500	170	10	55	1.5
DVA-170-WH	Ø170 DVA - White Pool lamp	White (7700K)	50	5500	170	10	55	1.5

Precautions:

* DVA series lamps must be completely submerged into water during operation.

* Fixing the lamps with adhesives or silicone kit into a niche is not allowed.

* For operation only with safety isolation transformer

Illumination per m²:
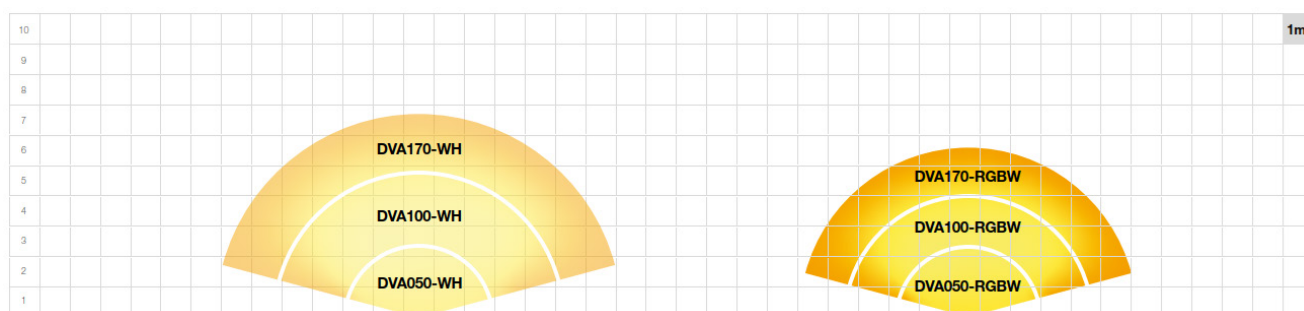
* Values in graph refer to swimming pools with white or light-coloured walls that require 100 - 150 lm/m².

* Increase the light (lumen) by 50% for medium colours.

* Dark walls are difficult to illuminate and need up to 250% extra light.

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Ultra flat LED Pool Light - UF-DVA- Series

Connection Diagram
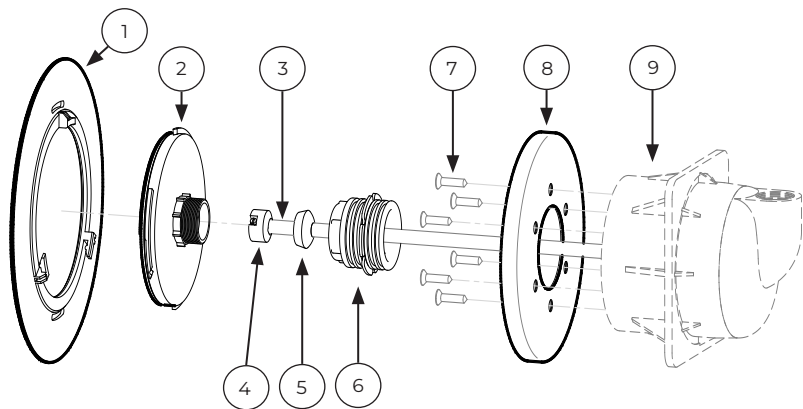
Lamp Assembly

#	Part Name
1	Ø100 Ultra flat faceplate
2	DVA-100-RGB

Quick Connect cable system

#	Part Name
3	2 C - 1mm² Underwater Cable (12V AC)
4	Quick connector
5	Silicone Gasket
6	Fix Nut

Niche Assembly

#	Part Name
7	4.5 X 20 self tapping Philips flat screw
8	Ø100 mounting ring
9	Niche (sold separately)

Typical wiring installation

Link Controller (RM-Link)

Link Touch

Transformer

230V AC

Capacitor

Swimming pool lights
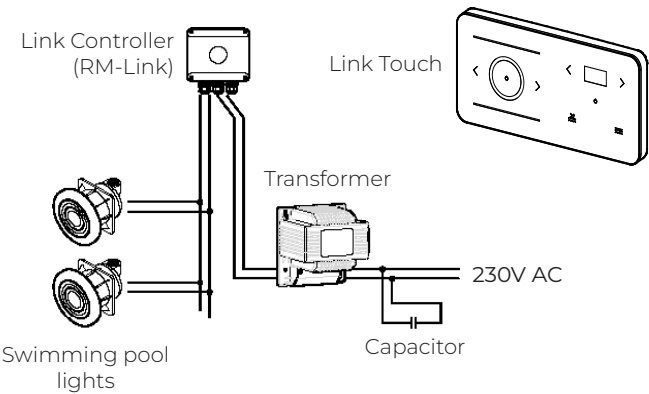
Typical Swimming Pool Installation

Deck Box

Ultra flat Pool LED Light

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Synchronizing & color changing (olny for RGBW lamps)

Manual synchronization
1. Turn the lamps ON and make sure all lights up.
2. Turn them OFF for MINIMUM 20 seconds
3. Switch ON and Switch OFF, Switch ON and Switch OFF
4. Switch ON
5. The lamps should now all be on colour program 1

Using Link Controller (RM-Link) with handheld RF Remote
1. Turn the lamps ON and push the UP button 10 times. Wait for 20 seconds, then turn the lamps OFF.
2. Repeat this process until the lamps react to the remote. As soon as the lamps follow the remote: wait 1 minute.
3. The lamps are now synced.

Using Link Controller (RM-Link) with Link Touch
1. Make sure the Link Touch is paired with Link Controller. To pair, make sure both are in about <2m proximity with each other. Select " Pair Start" on the Link Touch screen then power ON the device. Pairing mode will be in about 2 minutes.
2. Turn the lamps on and spin the colour wheel on the Link Touch until the lamps react.
3. If the lamps do not react, turn thenm off and back on until they react to the colour wheel.
4. As soon as the lamps follow the colour wheel: wait 1 minute.
5. The lamps are now synced.

Changing colors
Turn the lamps OFF and quickly back ON, The lamp will jump to the next colour program.

Memorizing the actual color
1. Turn the lamps OFF for MINIMUM 20 seconds
2. The chosen colour has now been memorized

14 Colour programs (only for RGBW Lamps)

Program #	Program Name	Colour
1	DEEP BLUE SEA	saturated blue
2	DAYLIGHT BLUE	light blue
3	SUNSET	slow animation from orange to red
4	LOVE IS IN THE AIR	red
5	FOREST SPRING	green
6	THINK PINK	pink
7	SUNSHINE	yellow
8	JUNGLE BEACH	slow animation blue and green tints
9	VOODOO	slow animation red and purple tints
10	DISCO	fast animation lila - pink - peach - yellow - green blue
11	PARTY	fast animation blue - green - red - pink - yellow - green
12	WARM WHITE	3000K
13	NEUTRAL WHITE	6000K
14	SUN WHITE	10500K

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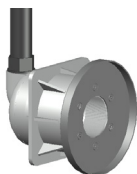# Ultra flat LED Pool Light - UF-DVA- Series

Accessories

Link Driver
RM-200
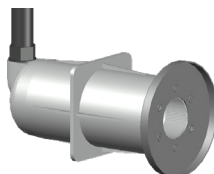* for all DVA Series
Swimming pool lights

Link Touch - RGBW
* for RGBW lights

Link Controller
RM-Link
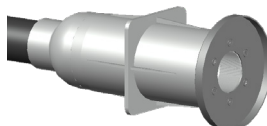* for all DVA Series
Swimming pool lights

PZA-WCS-NG + PZA-FLEX-S
* Niche for UF-DVA
Built-in length: 145 mm
Hole size: 1.5" BSP
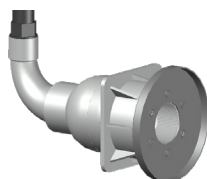Conduit connection: 3/4" BSP

PZA-WC-NG + PZA-FLEX-S
* Niche for UF-DVA
Built-in length: 262 mm
Hole size: 1.5" BSP
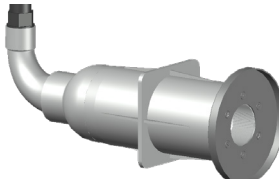Conduit connection: 3/4" BSP

PZA-WCS-NG
* Niche for UF-DVA
Built-in length: 152 mm
Hole size: 1.5" BSP
Conduit connection: 50mm Pipe

PZA-WC-NG
* Niche for UF-DVA
Built-in length: 269 mm
Hole size: 1.5" BSP
Conduit connection: 50mm Pipe

PZA-WCS-NG + PZA-FLEX-NG
* Niche for UF-DVA
Built-in length: 225 mm
Hole size: 1.5" BSP
Conduit connection: 3/4" BSP

PZA-WC-NG + PZA-FLEX-NG
* Niche for UF-DVA
Built-in length: 345 mm
Hole size: 1.5" BSP
Conduit connection: 3/4" BSP

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