Underwater LED Swimming Pool Light - LSP-DVM Series
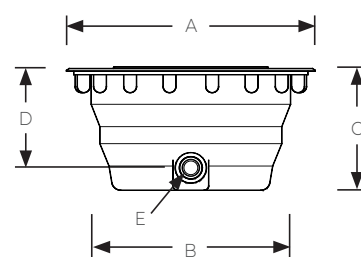
Function

Niche mounted DVM Series LED lamps is a medium level of lumen output LED lights which is designed for concrete pools. Available in white or colour changing LED. The lights consists of a stainless steel 316 face plate with an ABS or Stainless steel 316 niche. 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 11 fixed colour programs. These lights can be controlled using the Link Driver (RM-200) or by simply toggling the lamps off and on in a specific sequence.
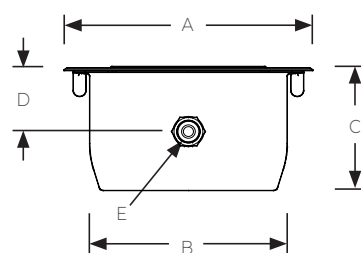
Specifications

Power
17W - 20W

Voltage
12V AC

Colours
RGB / White

Beam Angle:
116 °

Control
On/off

Cable
2 C - 1 mm²

Standard Cable Length
2 meters

Temperature range:
+40° water temperature

Lamp Life:
25,000 Hrs

Protection Rating:
IP 68
IEC class III

Model No.	Description	Niche type	Colour	Power (W)	Luminous flux (lm)	A (mm)	B (mm)	C (mm)	D (mm)	E (BSP) Female thread
LSP-DVM-170RGB-ABS	ABS niched RGB LED Swimming Pool light	ABS	RGB	20	1600	272	216	137	125	3/4"
LSP-DVM-170WH-ABS	ABS niched White LED Swimming Pool light	ABS	White (5000 K)	17	1675	272	216	137	125	3/4"

Model No.	Description	Niche type	Colour	Power (W)	Luminous flux (lm)	A (mm)	B (mm)	C (mm)	D (mm)	E (BSP) Female thread
LSP-DVM-170RGB-SS	SS 316 niched RGB LED Swimming Pool light	SS316	RGB	20	1600	272	225	125	70	3/4"
LSP-DVM-170WH-SS	SS 316 niched White LED Swimming Pool light	SS316	White (5000 K)	17	1675	272	225	125	70	3/4"

Underwater LED Swimming Pool Light	LSP-DVM Series	Model No. LSP-DVM	Rev. 1

Underwater LED Swimming Pool Light - LSP-DVM Series

⚠ **Precautions:**
* LSP-DVM series lamps must be completely submerged into water during operation.
* For operation only with safety isolation transformer

Connection Diagram

Quick Connect cabling system

DVM-170-RGB
Quick Connector
Silicone Gasket
Fix Nut
2 C - 1mm²
Underwater Cable
12V AC

Typical wiring installation

230V AC
Link Driver (RM-200)
Transformer
Swimming pool lights

Typical Swimming Pool Installation

Deck Box
Underwater LED Pool Light

Synchronizing & color changing (olny for RGB lamps)

Manual synchronization
1.   Turn the lamps ON and make sure all lights up.
2.   Turn them OFF for MINIMUM 20 seconds (max 60 sec)
3.   Switch ON and Switch OFF (max 3 sec ON and 3 sec OFF)
4.   Switch ON and Switch OFF (max 3 sec ON and 3 sec OFF)
5.   Switch ON
6.   The lamps should now all be on colour program 6 : BLUE

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

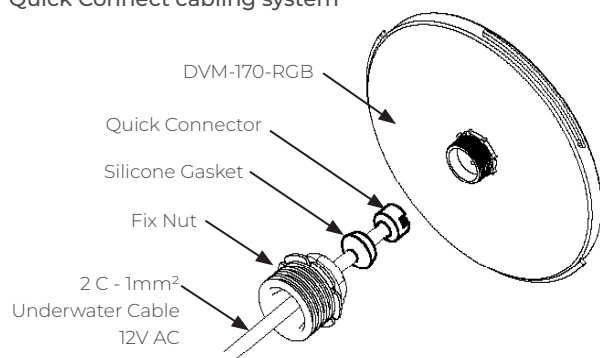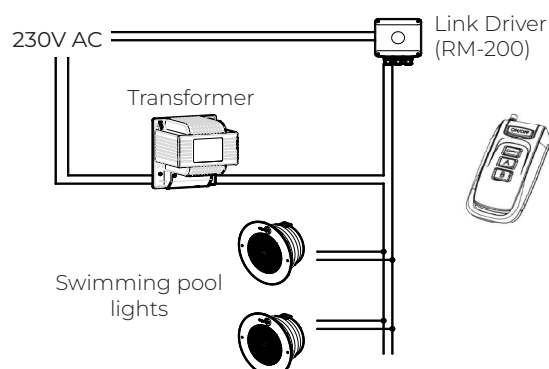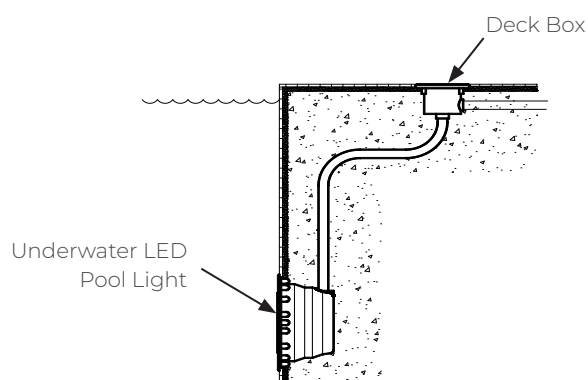| Underwater LED Swimming Pool Light	LSP-DVM Series	Model No. LSP-DVM	Rev. 1
The information contained in this drawing is the sole property of Aquashi. Any reproduction in part or as a whole without the written permission of Aquashi is prohibited. Aquashi reserves the right to update all designs, specifications and data sheets without prior notice.			

Underwater LED Swimming Pool Light - LSP-DVM Series

11 Colour programs (only for RGB Lamps)

Program #	Program Name	Colour
1	CANDLE LIGHT	2000K very warm white
2	WARM WHITE	3000K warm white
3	NEUTRAL WHITE	5000K neutral white
4	COLD WHITE	9500K cold white
5	CARIBEAN BLUE	cyan
6	BLUE	blue
7	GREEN	green
8	RED	red
9	PURPLE	purple
10	YELLOW DYNAMIC	slow animation yellow
11	BLUE DYNAMIC	fast animation blue

Accessories

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

Underwater LED Swimming Pool Light	LSP-DVM Series	Model No. LSP-DVM	Rev. 1

The information contained in this drawing is the sole property of Aquashi. Any reproduction in part or as a whole without the written permission of Aquashi is prohibited. Aquashi reserves the right to update all designs, specifications and data sheets without prior notice.