



Mini Brio M12 (&12K, 12B) & 12HW

Underwater LED lighting

Réf : PK10R300 / PK10R301 / PK10R302 /
PK10R308 / PK10R309 / PK10R310

Table of Contents

1. Technical characteristics	1
2. Packaging Contents	2
3. Installation	2
3.1. Installation in the wall conduit	2
3.2. Electrical connection	2
4. Cable Cross-Section	3
5. Projector Protection	3
A. Declaration of conformity	3



Read these instructions carefully before installing, commissioning and using this product

Floodlights must never be turned on outside of water

Always use safety transformer only

1. Technical characteristics

Dimensions	Ø 47 mm / length 84mm	
Installation	In 1.5" or 2" vacuum point In 2" threaded or 63mm smooth wall passage with optional PF10R25A adapter	
Power supply	Voltage: 12 V~ AC / Frequency: 50Hz/60Hz	
Consumed power	14W (M12 version) 8W (HW version)	
LED type	3 monochrome power LEDs	
	PK10R300 (M12) & PK10R308 (M12 HW)	Cool White (~6000°K)
	PK10R301 (M12K) & PK10R309 (M12K HW)	Warm White (~3000°K)
	PK10R302 (M12B) & PK10R310 (M12B HW)	Blue
	Risk group 1 (low risk) according to IEC62471:2006	
IP Rating	IP-68	
Max light stream	866 lm max. (M12, M12K & M12B) 400 lm max. (M12 HW)	

2. Packaging Contents

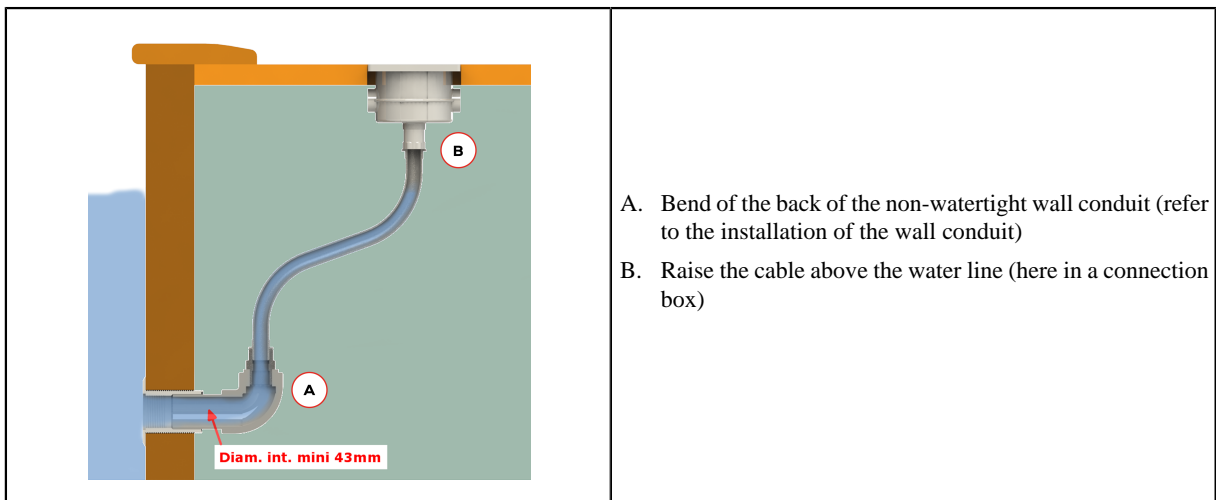
1 BRIO light Mini Brio M with

- 2x0.75mm² cable: 3m (pre-assembled)
- Technical manual (this document)

3. Installation

To ensure good fixing the engraved arrow under the patch (at the glue side) should point inside the pool

3.1. Installation in the wall conduit



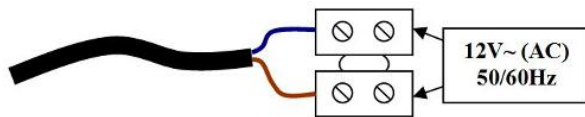
<p>Threaded wall conduit 1.5"</p> <ol style="list-style-type: none"> 1. Pass the cable through the wall conduit 2. Push and screw it thoroughly 	<p>Threaded wall conduit 2"</p> <ol style="list-style-type: none"> 1. Screw the cable into the adaptor and pass the cable through the wall conduit 2. Push and screw it thoroughly 	<p>Non-threaded wall conduit 2"</p> <ol style="list-style-type: none"> 1. Place the o-ring provided with the adaptor 2. Pass the light cable through the wall conduit 3. Push the light to the stop

3.2. Electrical connection



Installation of this product involves a hazard of electric shocks. We strongly recommend you contract a professional installer. Incorrect installation places you in danger and may irreversibly damage the product and the equipment connected to it. In compliance with the NF C 15-100 standard, pool lights installed in Volume 0 must always be powered with SELV (Safety Extra Low Voltage). Always cut off the power upstream before handling the electrical installation.

Risk of electric shock. Only connect to a circuit which is protected by a ground-fault circuit interrupter. If you are not sure if these types of devices are fitted, contact a qualified electrician.



The electrical connection must be performed dry, in a sealed connection box whose cable glands must be tightened in order to avoid any water infiltration.

4. Cable Cross-Section

The voltage drop in the supply cable of the Mini Brio M12 (&12K, 12B) & 12HW cable should be limited in order to comply with the applicable standards and ensure optimal illumination. Follow the table opposite (one projector per cable);		CROSS-SECTION (mm ²)			
		1,5	2,5	4	6
	Max. length (m)	16 (M12)	26.7 (M12)	42.7 (M12)	64 (M12)

5. Projector Protection

Independent protection is necessary for each Mini Brio M12 (&12K, 12B) & 12HW. Protection must be ensured in the secondary of the transformer using fuses or breakers at 2A or 3A.

A. Declaration of conformity

Bleu Electrique SAS (FR47403521693) declares that product Mini Brio M12 (&12K, 12B) & 12HW is compliant with the safety and electromagnetic compatibility requirements of European directives E.M.C (2014/30/UE), Low voltage (2014/35/UE), RoHS (2011/65/UE), WEEE (2002/96/CE) and REACH (1907/2006).		
		Emmanuel Baret Marseilles, on 02/05/2018
Distributor's stamp		
Date of sale: Batch N°:		