INTELLIBRITE-PAR56 WHITE/COLOR

Installation Guide / Bedienungsantleitung
Installatiehandleiding / Guide de l'installation
Guia de instalacion / Guide all'installazione

IMPORTANT SAFETY INSTRUCTIONS. READ AND FOLLOW ALL INSTRUCTIONS. SAVE THESE INSTRUCTIONS.

ENGLISH
CUSTOMER SUPPORT

HERENTALS, BELGIUM (8:30 A.M. TO 4.30 P.M.) CET
Website: www.pentairpooleurope.com

Declaration of Conformity

We declare, under our sole responsibility, that the product identified in this declaration, and to which this declaration relates, are in conformity with the protection requirements of Council Directive 2006/42/EG.

The manufacturer, Pentair Water Belgium B.V.B.A., has the right to modify the products without previous notice.

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These operating instructions contain important information on the safe, proper and economical operation of this product. Strict observation of the operating instructions will help avoid dangers, reduce repair costs, shutdown times and increase the reliability and working life of the product. This information should be given to the owner and/or operator of this equipment.

WARNING – Risk of electrical shock or electrocution

This IntelliBrite® LED Light must be installed by a licensed or certified electrician or a qualified pool serviceman, in accordance with IEC 364-7-702 and all applicable local codes and ordinance. Improper installation will create an electrical hazard which could result in death or serious injury to pool users, installers or others due to electrical shock and may also cause damage to property.

Always disconnect power to the IntelliBrite® LED Light at the circuit breaker before servicing the light. Failure to do so could result in death or serious injury to serviceman, pool users or others due to electric shock.

⚠ DANGER   SERIOUS BODy INJURY OR DEATH CAN RESULT IF THIS PRODUCT IS NOT INSTALLED AND USED CORRECTLY.

⚠ DANGER   INSTALLERS, POOL OPERATORS AND POOL OWNERS MUST READ THESE WARNINGS AND ALL INSTRUCTIONS BEFORE USING THE POOL AND/OR SPA LED LIGHT.

TECHNICAL DATA

	INTB-P56C	INTB-P56W
DIMENSIONS	PAR-56	PAR-56
POWER SUPPLY	12 V AC 50Hz/60Hz	12 V AC 50Hz/60Hz
POWERCONSUMPTION	40W	44W
WEIGHT	550G (LIGHT ONLY) 900G (LIGHT + PACKAGING)	550G (LIGHT ONLY) 900G (LIGHT + PACKAGING)
LED TYPE	POWER LED RISK CATEGORY 1 ACC EN62471:2008	MID POWER LED RISK CATEGORY 1 ACC EN62471:2008
NUMBER OF LED	15 (6 WHITE / 3 RED / 3 GREEN / 3 BLUE)	44
LIGHT EMISSION (MAX)	DEPENDING COLOR/ 1150LM MAX	4400 LM
COLOR SELECTION	MANUALLY BY USING MULTIPLE POWER ON/OFF OR BY USING PENTAIR AUTOMATION SYSTEMS	N.A.

PACKAGING CONTENT

- 1 light fitting INTB-P56W or INTB-P56C
- 2 vistainless steel screws and washer for connection
- Quickstart Guide

WARNINGS AND IMPORTANT SAFETY INSTRUCTIONS

! READ AND FOLLOW ALL INSTRUCTIONS IN THIS MANUAL !

⚠ WARNING IMPORTANT SAFETY INFORMATION FOR LIGHT INSTALLATION

- Under **no circumstances** replace lights by splicing wire under water or behind niche.

⚠ WARNING RISK OF ELECTRIC SHOCK AND INJURY. USE ONLY THE INSTALLATION METHOD SPECIFIED BELOW

⚠ WARNING For countries in compliance with International Electrotechnical Commission (IEC) regulatory standards: the light fixture must be installed by a licensed or certified electrician or a qualified pool service person, in accordance with IEC 364-7-702 and all applicable local codes and ordinances. Inappropriate installation will create an electrical hazard, which could result in death or serious injury to the pool user, installer or other due to electrical shock and may also cause damage to the property.

⚠ WARNING Always disconnect the lights before servicing. Do not power the light when not submerged in the pool .

IntelliBrite®-PAR56 Color-changing Pool and Spa Lights Overview

IntelliBrite-Par56 RGB light are intended to replace existing 300W incandescent light bulbs. Compared to the 300W lights, the IntelliBrite-Par56 RGB light system gives you brilliant vivid multi-colors with spectacular effects for your pool. When using The energy efficient colored LED array can cycle through colors at varying speeds and in different sequences of color. Choose one of these seven pre-programmed color light shows or select one of the five fixed colors to create virtually endless range of dramatic underwater lighting effects.

Operating IntelliBrite-PAR56 Pool Lights (12 VAC Model)

IntelliBrite-PAR56 LED lights can be manually controlled using a standard wall-mount light switch. Multiple IntelliBrite lights can be connected via a junction box to a single switch so that all lights can be switched on and off together. IntelliBrite® lights can also be automatically controlled via Pentair ControlPro Plus and IntelliPool automation system®.

INSTALLATION

IntelliBrite-Par56 lights are installed as a replacement bulb for existing. The installation should be done by a pool professional.

Replacement of a PAR 56 light:

Dismantle the light fixture and the existing PAR 56 light bulb and replace it by the IntelliBrite-Par56 . Use the connectors as shown on the picture as well as the stainless steel screws that are supplied with the light. The IntelliBrite light has the same dimensions as the existing PAR 56. Make sure to align the bulb correctly in the light fixture in order to assure an effective watertight seal . The arrow on the front of the light should point upwards .

⚠ DANGER

Risk of Electrical Shock or Electrocution!

This underwater light must be installed by a licensed or certified electrician or a qualified pool professional in accordance with IEC 364-7-702 and all applicable local codes and ordinances. Improper installation will create an electrical hazard which could result in death or serious injury to pool users, installers or others due to electrical shock, and may also cause damage to property.

Always disconnect the power to the pool light at the circuit breaker before servicing the light. Failure to do so could result in death or serious injury to serviceman, pool users or others due to electrical shock.

Verify that the pool and spa meets the requirements of all local codes and ordinances. A licensed or certified electrician must install the electrical system to meet or exceed those requirements before the underwater light is installed.

SECURITY

In case of an abnormal temperature rise in the light fixture, an internal security device will desactivate the light while flashing red. Normal function will resume as soon as normal temperature is reached. In case of overtension (>15V ac) or undertension (<11V ac) normal functioning of the light stops while flashing green. A power off/on is required to resume normal functioning.

⚠ WARNING   Never operate this underwater light for more than ten (10) seconds unless it is totally submerged in water. Without total submersion, the light assembly will get extremely hot, which may result in serious burns or in breakage of the lens. This may result in serious injury to pool users, installers bystanders, or damage to property.

OPERATING INTELLIBRITE POOL LED LIGHTS

IntelliBrite-PAR56 pool LED lights can be controlled using a standard wall-mount light switch. Multiple IntelliBrite LED lights can be connected via a junction box to a single switch so that all lights can be switched on and off together.

For easy remote control of the IntelliBrite lights, Pentair offers several systems:

IntelliBrite: wall mounted switch and colour selector.
ControlBrite: remote controlled switch and colour selection.
Controlpro+:   integrated filtration management with integrated controlbrite; Integrated timer for the lights
IntelliPool: Integrated pool control system offering remote control on smartphones and tablet.

Selecting a light show mode or fixed color (only applicable for RGB lights)

Switch power on to the light. 1 Second after approval, the last made color or sequence will activate. To select a color show mode (1-7) or fixed color (8-12), turn the wall switch off/on a specific number of times. Each number (1-12) shown below corresponds to the number of times to power-cycle the switch to activate a color light show or fixed color. For details about saving color effects while in "show" modes, see "Hold" and "Recall" feature.

1. **SAm Mode**: Cycles through white, magenta, blue and green colors (emulates the Pentair SAm® light).
2. **Party Mode**: Rapid color changing building energy and excitement.
3. **Romance Mode**: Slow color transitions creating a mesmerizing and calming effect.
4. **Caribbean Mode**: Transitions between a variety of blues and greens.
5. **American Mode**: Patriotic red, white and blue transition.
6. **California Sunset Mode**: Dramatic transitions of orange, red and magenta tones.
7. **Royal Mode**: Richer, deeper color tones.
8. **Blue**: Fixed color.
9. **Green**: Fixed color.
10. **Red**: Fixed color.
11. **White**: Fixed color.
12. **Magenta**: Fixed color.
13. **Hold**: Save the current color effect during a color light show.
14. **Recall**: Activate the last saved color effect.

Example: To select **California Sunset Mode**; turn the switch off and on six successive times. During the off/on switching process, no illumination will occur, then a white light will momentarily illuminate.

During the off/on switching process, before the selected color is displayed, no illumination will occur. This operating mode is normal during the switching process. During this period the pool and spa will be dark and precautions should be taken to avoid unforeseen accidents. Failure to observe this warning may result in serious injury or death to pool and spa users.

Saving a color mode or fixed color

When power is switched off to the IntelliBrite lights, the last color show mode or fixed color will be saved. The next time the light is powered on, the previously saved color show mode or fixed color will be displayed. For example, while in "Party Mode" switch the light off. Wait more than 10 seconds, switch the light back on to resume "Party Mode".

Hold and Recall feature

- **Hold**: Use the **Hold** feature (power-cycle 13 times) to capture and save a color effect while displaying one of the light show modes. It's easier to capture custom color effects from one of the slower light show modes, such as "Romance Mode" (#3).
- **User Defined Color (Recall):** Use the **Recall** feature to activate the last saved color effect (using the **Hold** feature) while in color show mode or fixed colors. To recall the color effect, power-cycle 14 times, and after five seconds the last saved color effect will be displayed.

Powering on the light

When the IntelliBrite LED light is powered on, a momentarily white light will illuminate, followed by the previously selected color.

Note: If power to the light is off for more than five seconds, the last color show mode or fixed color that was saved will be displayed.

TRANSFORMER POWER

Transformers used for IntelliBrite should have a secondaty voltage of 12V. Its power rating should be in accordance to the number of llights that are used. In any case the combined power (sum of all lights) should be lower than the power of the transformer..

Transformer Power	Max numner of IntelliBrite Par56
50VA	1
100VA	2
300VA	6

It is strongly recommended to include a separate protection forceach light on the 12V using 4 or 5A fuses. .

POWER LINES

In order to limit the voltage drop in the 12 V power lines, it is required to maintain sufficient cable section

	SECTION (mm²)			
	2,5	4	6	10
Max length. (m)	10,0	17,0	25,6	42,6

BASIC WIRING DIAGRAM