

## Underwater ColorLogic™ LED Lighting Fixtures

FOR SWIMMING POOLS AND SPAS

SP0522(S) SP0530(S)  
SP0523(S) SP0531(S)

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### INFORMACIÓN GENERAL

The Hayward® ColorLogic™ LED (light-emitting diode) underwater lighting fixture you have purchased is designed to mount into Hayward fixture housings (niches) manufactured 1993 and later. Hayward light fixtures may fit into other niches, but the installation will not carry a UL approval. Hayward SP0522 and SP0530 Series ColorLogic LED pool lights are UL listed under file number E39338 and, to be approved, must be used with Hayward models SP0500, SP0507, SP0504C, or SP0509C fixture housings (niches). Hayward SP0530 and SP0531 Series ColorLogic LED spa lights are UL listed under file number E39338 and, to be approved, must be used with Hayward models SP0501, SP0506C, or SP0510C fixture housings (niches). Installation of light and niche must be in accordance with Article 680 of the National Electric Code (NEC) and any applicable local codes. If non-metallic conduit is used, a #8 AWG grounding conductor must be run through the conduit and connected to the grounding conductor on the inside of the niche. This connection must be encapsulated using a listed potting compound in accordance with NEC Article 680-20, such as 3M Scotch Cast Wet Patch Potting Compound (No. 2135, PUL file E130094) or equivalent. This integral external connection on the niche should be connected to a #8 AWG bonding conductor required by the NEC. Please refer to your niche instructions for details. (Except when the fixture is installed in an area of the swimming pool or spa that is not used for swimming and the lens is adequately guarded to keep any person from contacting it, the fixture must be installed in or on a wall of the pool or spa, with the top of the lens not less than 18 inches (46 cm) below the normal water level of the pool or spa.)

#### Important Note When Installing Niches in Concrete/Guide Pools

SP0500 and SP0501 Niches: A cardboard cover and 2 screws are provided with the niche to protect the niche and mounting screw holes. Leave these in place during construction to prevent intrusion of concrete which may damage the niche or screw threads. **REMOVE** and discard both the screws and the protective cardboard cover when ready to install the light fixture. SP0504C, SP0506C, SP0509C, and SP0510C Niches: A plastic cover is provided with the niche to protect the niche and mounting screw holes. Leave the cover in place during construction to prevent intrusion of concrete which may damage the niche or screw threads. Before applying plaster, the outer edge of the cover may be torn off to allow plastering up to the edge of the niche. **REMOVE** and discard the plastic cover when ready to install the light fixture. If the light fixture is installed in the niche before pool or spa construction, the plastic cover may be reversed and taped to the edge of the light's face plate to protect the light from concrete during construction.

### GIVE THESE INSTRUCTIONS TO POOL/SPA OWNER AFTER INSTALLATION

Le projecteur ColorLogic à diode électroluminescente de Hayward que vous avez acheté est conçu pour être installé dans les enfoncements Hayward manufacturés après 1993. Les projecteurs Hayward peuvent être compatibles avec d'autres enfoncements, mais l'installation ne bénéficiera pas de l'approbation UL.

Les séries SP0522 et SP0530 de projecteurs ColorLogic de Hayward pour piscines figurent sur la liste UL, sous le numéro E39338 et, pour être approuvés, ils doivent être utilisés avec les modèles d'enfoncements Hayward SP0500, SP0507, SP0504C ou SP0509C. Les séries SP0530 et SP0531 de projecteurs ColorLogic de Hayward pour spas figurent sur la liste UL, sous le numéro E39338 et, pour être approuvés, ils doivent être utilisés avec les modèles d'enfoncements Hayward SP0501, SP0506C ou SP0510C. L'installation du projecteur et de l'enfoncement doit être conforme à l'article 680 du National Electric Code – (NEC [code national en électricité]) et de tout autre code local en vigueur. Si vous utilisez un conduit conducteur non métallique, vous devez passer un conducteur de mise à la terre de taille 8 (cadre de fils américain) dans le conduit conducteur et le brancher au connecteur de mise à la terre à l'intérieur de l'enfoncement. Ce branchement doit être recouvert d'une pâte de remplissage conformément à l'article 680-20 du NEC, notamment la pâte de remplissage 3M Scotch Cast pour enfoncement submersible no 2135 (no dossier UL E130094) ou équivalent. Le connecteur externe intégral de l'enfoncement devrait être branché à un conducteur de raccordement de taille 8 (cadre de fils américain), également exigé par le NEC. Veuillez vous référer aux instructions de l'enfoncement pour plus amples renseignements.

Le projecteur doit être installé dans ou sur un mur de la piscine ou du spa, de façon à ce que le haut de la lentille soit au moins 18 pouces (46 cm) sous la surface normale de l'eau, sauf si le projecteur est installé dans une zone qui n'est pas utilisée pour la baignade et que la lentille est adéquatement protégée afin d'éviter tout contact avec celle-ci.

#### Remarque importante concernant l'installation des enfoncements dans les piscines en béton/guides

Enfoncements SP0500 et SP0501 : 2 vis et un couvercle en carton sont fournis avec l'enfoncement pour le protéger avant que les trous d'installation. **Retirez** les vis et le couvercle en carton pour installer le projecteur.

Enfoncements SP0504C, SP0506C, SP0509C et SP0510C : un couvercle de plastique est fourni avec l'enfoncement afin de le protéger avant que les trous d'installation. **Retirez** le couvercle en place tout au long de l'installation afin d'éviter que le ciment ne s'infiltre et n'endommage l'enfoncement ou le filetage des vis. Avant d'appliquer le plâtre, vous pouvez déchirer le rebord externe du couvercle afin de pouvoir plâtrer le contour de l'enfoncement. **Retirez** et jetez le couvercle de plastique pour installer le projecteur. Si le projecteur est installé dans l'enfoncement avant la construction de la piscine ou du spa, le couvercle de plastique peut être inversé et fixé avec du ruban adhésif au rebord du projecteur afin de le protéger du béton durant la construction.

### REMETTEZ LES PRÉSENTES INSTRUCTIONS AU PROPRIÉTAIRE DE LA PISCINE OU DU SPA APRÈS L'INSTALLATION

La lámpara subacuática de LED (diodo emisor de luz) ColorLogic de Hayward que ha adquirido está diseñada para instalarse en huecos (nichos) para lámparas Hayward fabricados a partir de 1993. Es posible que las lámparas Hayward se adapten a otros nichos, pero la instalación carecerá de la aprobación UL.

Las lámparas ColorLogic de LED Hayward de las series SP0522 y SP0530 para piscinas están aprobadas por UL bajo el registro número E39338 y, para contar con la aprobación, deben utilizarse en los nichos para lámparas modelos SP0500, SP0507, SP0504C o SP0509C de Hayward. Las lámparas para spas de LED ColorLogic de Hayward, de las series SP0530 y SP0531, están aprobadas por UL, bajo el registro número E39338 y, para contar con la aprobación, deben utilizarse con nichos para lámparas modelos SP0501, SP0506C o SP0510C de Hayward. La instalación de la lámpara y el nicho debe efectuarse de conformidad con el Artículo 680 del Código Nacional de Electricidad (NEC, siglas en inglés) y todo código local pertinente. Si se utilizan conductores no metálicos, se debe tender un cable a tierra calibre 8 AWG a través del nicho y llevarlo al conector a tierra del interior del nicho. De conformidad con el Artículo 680-20 de NEC, esta conexión debe encapsularse con un compuesto aprobado, por ejemplo el Scotch Cast Wet Patch Potting Compound No. 2135 de 3M (registro E130094 de UL), o uno equivalente. La NEC exige, además, que la totalidad de la conexión externa del nicho se haga a un cable calibre 8 AWG para metalización. Consulte las instrucciones del nicho para obtener información detallada.

La lámpara debe empotrarse en la pared de una piscina o jacuzzi, o colocarse sobre la ella, y la parte superior del lente no debe estar a menos de 18 pulgadas (46 cm) por debajo del nivel normal del agua, excepto si la lámpara se instala en una zona de la piscina o jacuzzi que no se utiliza para nadar y el lente se protege de forma adecuada para evitar que alguna persona lo toque.

#### Nota importante sobre la instalación de nichos en piscinas de concreto o guías

Nichos SP0500 y SP0501: con el nicho se suministran 2 tornillos y una cubierta de cartón para proteger el nicho y los orificios de los tornillos de montaje. Durante la construcción, déjelos en su sitio para evitar que el concreto caiga al nicho o las rosca para los tornillos. **RETIRES** y deseché ambos los tornillos como la cubierta protectora de cartón cuando está listo para instalar la lámpara. Para los nichos SP0504C, SP0506C, SP0509C y SP0510C: El nicho se suministra con una cubierta plástica protectora y orificios para los tornillos de montaje. Durante la construcción, mantenga la cubierta en su sitio para evitar que el concreto caiga al nicho o las rosca para los tornillos. Antes de aplicar el yeso, se puede rasgar el borde exterior de la cubierta para exponer el yeso hasta el borde del nicho. **RETIRES** y deseché la cubierta plástica cuando está listo para instalar la lámpara. Si la lámpara se instala en el nicho antes de construir la piscina o el jacuzzi, puede usar la cubierta plástica por el reverso y pegarla con cinta en el borde del lado exterior de la lámpara para protegerla del concreto durante la construcción.

### ENTREGAR ESTAS INSTRUCCIONES AL PROPIETARIO DE LA PISCINA O JACUZZI DESPUÉS DE LA INSTALACIÓN



# Hayward Light Manual

**RS Peters**



## **Hayward Light Manual:**

*The United States Catalog*, 1921      *Practical Teacher's Art Monthly*, 1901      *The Ecology of Giant Kelp Forests in California* Michael S. Foster, David R. Schiel, 1985      *The Electrician Electrical Trades Directory and Handbook*, 1905  
*The American Gas Light Journal*, 1903      **Catalogue of Books on Electricity, Electric Light, the Telephone, Electro-motors, Electric Telegraph, Electro-metallurgy, Etc., Etc** D. Van Nostrand Company, 1902      *Yao & Artusio's Anesthesiology* Fun-Sun F. Yao, Manuel L. Fontes, Vinod Malhotra, 2008 Now in its Sixth Edition this best selling text is the only anesthesiology book with a case based problem oriented approach It is widely used to study for the American Board of Anesthesiology's oral exams and as a refresher for practicing anesthesiologists and CRNAs Chapters cover 62 surgical procedures and problems in all major areas of anesthesiology Each chapter presents a case and asks questions about preoperative evaluation patient preparation intraoperative management and postoperative care Questions are followed by thorough explanations and references This edition has a broadly based authorship with two new Associate Editors and one third new contributors New chapters cover postoperative pain management and electroconvulsive therapy Subscribe to Lippincott's Interactive Anesthesia Library and get online access to the fully searchable content of eight critically acclaimed references in anesthesiology critical care and pain management      **Biological Report**, 1985      **Bulletin of the New York Public Library** New York Public Library, 1925 Includes its Report 1896 19      **American Gas-light Journal and Chemical Repertory**, 1903      **The United States Catalog** Mary Burnham, Carol Hurd, 1928      **Yao and Artusio's Anesthesiology** Fun-Sun F. Yao, Manuel L. Fontes, Vinod Malhotra, 2012-01-18 Yao and Artusio's Anesthesiology is one of the core texts for anesthesiology residents and is frequently used as a primary study aid for the ABA oral boards Each chapter is based on a case history and questions that address disease knowledge and differential diagnosis progressing through preoperative evaluation intraoperative management and postoperative care The discussion of each question is followed by a short list of the most important references on that topic The new edition is in full color and the interior has been redesigned to make it easier to read There is a new section on pediatric anesthesia All major areas of anesthesiology are covered      *Catalog of Copyright Entries. Part 1. [B] Group 2. Pamphlets, Etc. New Series* Library of Congress. Copyright Office, 1935  
*Patterson's College and School Directory of the United States and Canada* Homer L. Patterson, 1918      **Early American Technology** Judith A. McGaw, 2014-01-01 This collection of original essays documents technology's centrality to the history of early America Unlike much previous scholarship this volume emphasizes the quotidian rather than the exceptional the farm household seeking to preserve food or acquire tools the surveyor balancing economic and technical considerations while laying out a turnpike the woman of child bearing age employing herbal contraceptives and the neighbors of a polluted urban stream debating issues of property odor and health These cases and others drawn from brewing mining farming and woodworking enable the authors to address recent historiographic concerns including the environmental aspects of

technological change and the gendered nature of technical knowledge Brooke Hindle's classic 1966 essay on early American technology is also reprinted and his view of the field is reassessed A bibliographical essay and summary of Hindle's bibliographic findings conclude the volume The contributors are Judith A McGaw Robert C Post Susan E Klepp Michal McMahon Patrick W O Bannon Sarah F McMahon Donald C Jackson Robert B Gordon Carolyn C Cooper and Nina E Lerman

**Resources in education** ,1987-03      Bulletin ,1915      **Catalog of Copyright Entries. Third Series** Library of Congress. Copyright Office,1977      British Architect and Northern Engineer ,1892      *The British Architect* ,1892

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