

Underwater ColorLogic™ LED Lighting Fixtures

FOR SWIMMING POOLS AND SPAS

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

OWNER'S GUIDE

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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 SP0531 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 E130394) 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 this 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 SP0531 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 submergé no 2135 (no dossier UL E130394) 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. **VEUILLEZ** les laisser 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. **ENLEVEZ** et jetez les 2 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. **VEUILLEZ** laisser 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 gâchier le contour de l'enfoncement. **ENLEVEZ** 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 SP0531 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 E130394 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 cemento se infiltre en el nicho o los tornillos. **RETIRES** y desecha los tornillos como la cubierta protectora de cartón cuando esté 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 penetre y dañe el nicho o 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 desecha la cubierta plástica cuando esté 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



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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

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