

excelpool
PRODUCTS

OWNER'S MANUAL

INSTALLATION, OPERATION, & PARTS



To prevent potential injury and to avoid unnecessary service calls, read this manual carefully and completely.

SAVE THIS INSTRUCTION MANUAL

Use of appointed replacement parts voids warranty.

ATTENTION INSTALLER - THIS MANUAL CONTAINS IMPORTANT INFORMATION ABOUT THE INSTALLATION, OPERATION, AND SAFE USE OF THIS PUMP THAT MUST BE FURNISHED TO THE END USER OF THIS PRODUCT. FAILURE TO READ AND FOLLOW ALL INSTRUCTIONS COULD RESULT IN SERIOUS INJURY.

HAYWARD®

Underwater Lighting Fixtures

ASTROLITE™ SP0580 SERIES
DURALITE™ SP0570N SERIES
ASTROLITE II™ SP0590 SERIES



OWNER'S GUIDE

INSTALLATION AND OPERATING INSTRUCTIONS

FOR SWIMMING POOLS AND SPAS

GUIDE DE L'UTILISATEUR

INSTRUCTIONS D'INSTALLATION ET D'UTILISATION

GUIA DEL USUARIO

INSTRUCCIONES DE INSTALACION Y DE UTILIZACION

GENERAL INFORMATION

The underwater lighting fixture you have purchased is UL Listed under file number E39338 and must be used with an appropriate Hayward UL Listed fixture housing (niche). Installation of light and niche must be in accordance with Article 680 of the National Electrical Code (NEC) and any applicable local codes. If non-metallic conduit is used a # 8 AWG grounding conductor must be run through conduit and connected to grounding connector on inside of niche. This connection must be encapsulated using a listed potting compound in accordance with NEC Article 680.23B2 (3M Inc. Scotch Cast Wet Niche Potting Compound No. 2135 (UL File E130394 or equivalent) The integral external connection is for the # 8 AWG bonding conductor also required by the NEC.

Fixtures with an "L" suffix are equipped with an Automatic Thermal Switch (ATS) to protect the light fixture if it is operated while not submerged in water. If operating temperatures exceed the normal design temperatures expected with standard submerged installations, the ATS will activate and shut off the fixture. When the fixture has cooled the ATS will reset and the light will go on again. Excessive water temperature or a defective bulb may cause the light fixture to continuously cycles on and off. This condition should be corrected as soon as possible.

Le projecteur que vous venez d'acheter est conforme avec UL sous le dossier numero E39338 et doit être employé avec la correcte niche Hayward. L'installation du projecteur et de la niche doit être en concordance avec l'article 680 du code électrique national (NEC) et/ou avec le code électrique local. Si la gaine utilisée est non métallique, un conducteur de mise à la terre de 8AWG ou XX mm2 doit être inséré dans la gaine et doit être connecté de la mise à la terre à l'intérieur de la niche. La connection doit être recouverte par une pâte epoxy d'une épaisseur imposée par le code électrique local ou le code NEC Article 680.23B2 (3M Inc. Scotch Cast Wet Niche Potting Compound N° 2135) La connection extérieure est pour le conducteur de la mise à la terre de 8AWG ou XX mm2 est aussi imposé par la NEC.

Projecteurs avec le suffixe "L" sont des projecteurs muni d'un interrupteur thermique automatique qui protège le projecteur si celui-ci n'est pas immergé lors de la mise sous courant. Si la température dépasse la température normale acceptable pour les équipements immergés, l'interrupteur thermique automatique sera activé et coupera le courant du projecteur. Aussitôt que le projecteur est refroidi l'interrupteur thermique automatique se réenclenche et permet le courant de circuler à nouveau dans le projecteur. Haute température de l'eau ou d'une lampe (ampoule) défectueuse peut causer au projecteur de s'éteindre et de se rallumer. Ce genre de problème doit être fixé au plus vite possible.

El accesorio para uso bajo de agua que usted ha adquirido es UL regulado bajo el numero de archivo E39338, y debe de ser usado de acuerdo con el nicho adecuado Hayward y que es UL regulado, la instalación del nicho y la luz debe de estar en concordancia con el artículo 680 de el código eléctrico nacional (NEC), y los códigos locales aplicables. Si un conducto no-metálico es usado, un cable 8AWG polo a tierra debe de ser corrido a través del conducto y conectado al nicho interiormente. Esta conexión debe de estar enclaustrada utilizando un recipiente debidamente apropiado de acuerdo a al artículo NEC artículo 680.23B2 (3M Inc Scotch Componente para Nicho Humedo No 2135)archivo UL E130394 o equivalente). El conector integral externo es para un conductor de cable #8 AWG conductor también requerido por la NEC.

Accesorios con sufijo "L" están equipados con un Interruptor Térmico Automático, para proteger la luz del accesorio, cuando este no este sumergido en agua. Si las temperaturas de operación, sobrepasan las temperaturas de diseño, con instalaciones sumergidas, el ATS se activará y apagará el accesorio. Cuando el accesorio se ha enfriado, el ATS, volverá a activarse y el reflector volverá a encenderse. Exceso de temperatura o un bulbo defectuoso, pueden causar que el accesorio de luz haga ciclos de apagado y encendido. Esta condición debe de ser corregido lo mas pronto posible.

SP0580
SP0570N

SP0580S



SP0590

IMPORTANT SAFETY INSTRUCTIONS IMPORTANTE INSTRUCTIONS DE SECURITE INSTRUCCIONES IMPORTANTES DE SEGURIDAD.

When installing and using this electrical equipment, basic safety precautions should always be followed, including the following: Failure to follow instructions may result in injury.

READ AND FOLLOW ALL INSTRUCTIONS

1. Warning - To reduce risk of injury, do not permit children to use this product unless they are closely supervised at all times.
2. Caution - This swimming pool / spa light is U.L. Listed for permanently installed pools or spas. It is not listed for storage pools or spas. Permanently installed pools are those constructed in or partially in the ground and all others capable of holding water in a depth greater than 42 in. (1.07m). Storage pools are those constructed on or above the ground and capable of holding water to a maximum depth of 42 in. (1.07 m).
3. This Light Fixture must be installed by qualified personnel in compliance with the National Electrical Code (NEC) and any applicable local codes.
4. Disconnect Electrical Power before installing, relamping or servicing this equipment.
5. Improper installation may result in death or serious injury to bathers or service personnel or others by way of electrical shock. Read and follow the instructions below.

Lors de l'installation et de l'emploi d'équipement électrique, des précautions de sécurité de base doivent être suivies, ignorer les instructions suivantes peut entraîner des dommages corporels.

LISEZ ET SUIVEZ LES INSTRUCTIONS SUIVANTES

1. Attention: Pour éviter tout risque de dommage corporels, ne permettre pas aux enfants d'utiliser cet équipement sauf si ils sont sous la supervision d'un adulte.
2. Attention: Ce projecteur et niche sont UL conforme pour l'installation dans une piscine ou spa permanents. Ce n'est pas conforme pour des piscines ou spas démontables. Piscines ou spas permanents sont ceux qui sont installés patiellement ou complètement dans le sol et capable de contenir l'eau à une profondeur de 42 in. (1m07). Piscines ou spa démontables sont construites hors-sol et sont capable de retenir de l'eau à une profondeur maximum de 42 in. (1m07).
3. Le projecteur doit être installé par une personne qualifiée en accord avec le Code Electrique National (NEC) et appliquée par le code local.
4. Couper et déconnecter le courant avant l'installation, le remplacement de la lampe ou pour toute réparation de cet équipement.
5. Une mauvaise installation peut causer la mort, damage corporels au baigneurs ou personnels d'entretien ou tout autres personnes par électrocution. Lisez et suivez les instructions qui suivent.

Cuando instale este equipo eléctrico, precauciones básicas de seguridad deberán de seguirse siempre. Fallo en seguir esta instrucciones podrían resultar en danos personales.

LEA Y SIGA LAS SIGUIENTES INSTRUCCIONES

1. Advertencia- Para reducir el riesgo de dano, no permita que niños jueguen con este accesorio, a menos que este este supervisado de cerca.
2. Precaucion- Esta luz para piscina o spa, esta regida bajo codigos UL, para ser instalada permanentemente. No es para piscina o spa que se pueden almacenar. Piscinas o spa permanentes son aquellas construidas bajo nivel de piso, y que mantienen agua en profundidades mayores a 42 pulgadas(1.07 mts). Piscinas o spas de almacenaje, son aquellas contruidas arriba del nivel de piso y capaces de mantener agua en profundidades mayores de 42 pulgadas(1.07 mts).
3. Este accesorio de luz debe de ser instalado por personal capacitado en cumplimiento con codigos NEC y cualquier codigo local aplicable.
4. Desconecte la fuente electrica de poder antes de instalar este accesorio, cambio de lampara, o servicio. Lea y siga las instrucciones abajo indicadas.
5. Instalacion impropia podría resultar en la muerte o serio daño a bañista, o personal de servicio debido a choque eléctrico. Cuando instale y use este equipo, precauciones básicas deben de ser seguidas, falla en hacer esto podría resultar en accidentes.

SAVE THESE INSTRUCTIONS

GARDER LES INSTRUCTIONS

GUARDE ESTAS INSTRUCCIONES



Hayward Pool Products Worldwide Locations

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900 Fairmount Avenue
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Hayward Pool Products Canada, Inc.
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Oakville, Ontario, CANADA, L6H 5R4
TEL: 905 829 2880
FAX: 905 829 3636

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2, Avenue des Chaumes
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FRANCE
TEL: 33 1 39 30 91 00
FAX: 33 1 39 30 91 89

Hayward/IMG
International Marketing Group
801 Corporate Center Drive, Suite 110
Pomona, CA 91768, USA
Tel: 909 620 4041
Fax: 909 620 1249

REPLACEMENT PARTS PIECES DETACHEES PIEZAS DE REEMPLAZO

Part No. Pièces N° N° de pieza	Description	Description	Description	No. Required Quantité requise Cantidad requisa
SPX0540Z16A	Face Rim Lockscrew w/Fastener Vis de colorette Sujetador de Anillo con tornillo de seguridad			1
SPX0580A1	Molded Face Plate (for SP0570 with N Suffix after 11/20/01) Colorette (pour SP0570 avec le suffixe INI après le 20/11/01) Cara moldeada superior (para SP0570 con sufijo INI después de 20/11/01)			1
SPX0555Z2	Lower Mounting Screw Vis de montage du bas Tornillo de montaje inferior			1

* All other parts same as standard SP0580 Series below.

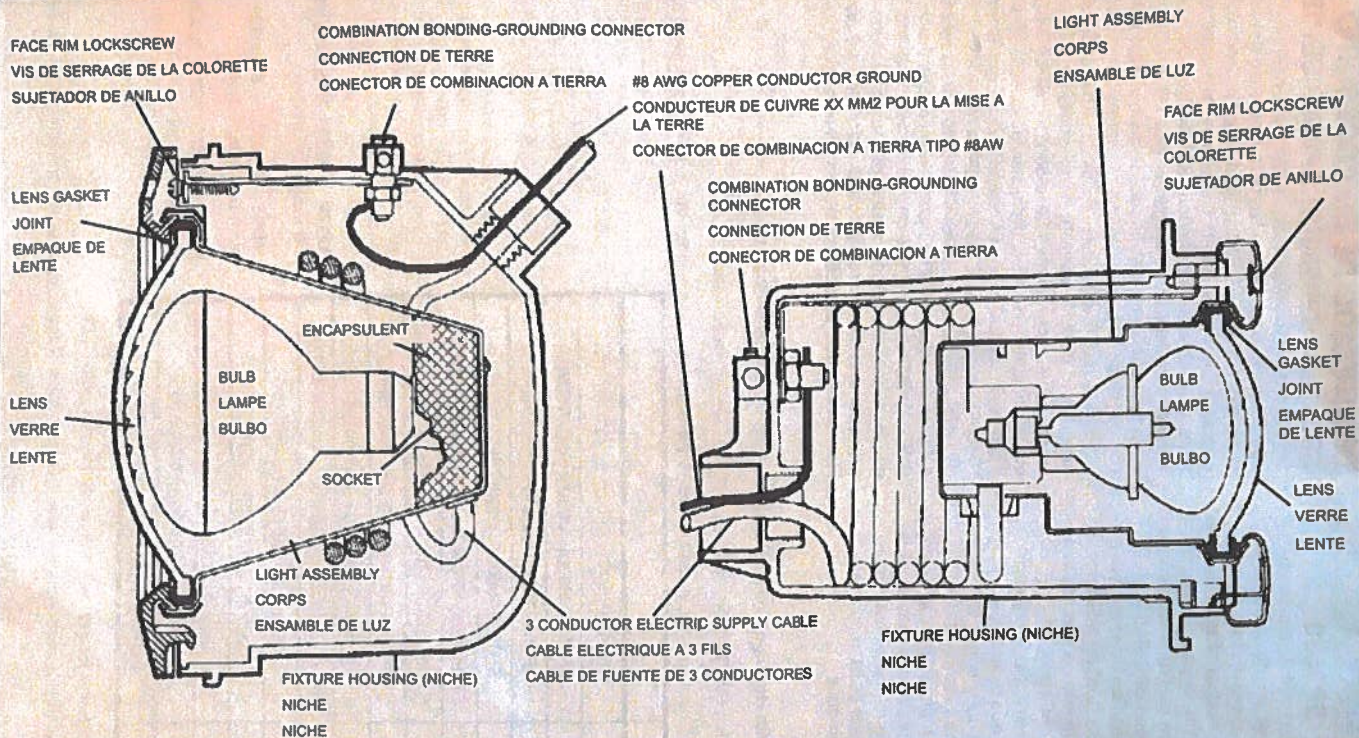
Part No. Pièces N° N° de pieza	Description	Description	Description	No. Required Quantité requise Cantidad requisa
SPX0510A	100W, 12V Bulb R-30	100W/12V lampe R-30	100W/12V Lámpara R-30	1
SPX0541Z1	300W, 12V Bulb R-40	300W/12V lampe R-40	300W/12V Lámpara R-40	1
SPX0542Z4	300W, 120V Bulb R-40	300W/120V lampe R-40	300W/120V Lámpara R-40	1
SP0584Z7	400W, 120V Bulb R-40	400W/120V lampe R-40	400W/120V Lámpara R-40	1
SPX0504Z7	500W, 120V Bulb R-40	500W/120V lampe R-40	500W/120V Lámpara R-40	1
SPX0580A	Molded Face Rim	Colorette moulée frontale	Aro moldeado frontal	1
SPX0580AS	Stainless Steel Face Rim	Colorette en acier inoxydable	Aro acero inoxidable frontal	1
SPX0580Z2	Lens Gasket	Joint	Empaque de lente	1
SPX0580B	Assembly Clamp with Screw, Nut and Washer Anneau de serrage avec vis, boulon et rondelle Abrazadera con tornillo, tuerca y arandela			1
SPX0580Z3	Face Rim Lockscrew with Fastener - SP0580S Vis de serrage pour la colorette-SP0580S Sujetador de aro frontal con tornillo de seguridad aSP0580S			1
SPX0580Z1	Face Rim Lockscrew with Fastener - SP0580 Vis de serrage pour la colorette-SP0580 Sujetador de aro frontal con tornillo de seguridad-SP0580			1
SPX0540Z1	Lens - Clear 7 9/16" Diameter (Tempered) Verre - Claire 7 9/16" diamètre (tempéré) Lente - Claro 7 9/16" diametro (templado)			1
SPX0540Z1B	Lens - Blue 7 9/16" Diameter (Tempered) Verre - Bleu 7 9/16" diamètre (tempéré) Lente - Azul 7 9/16" diametro (templado)			1
SPX0580BS	Assembly Clamp (SS Face Rim) with Screw, Nut and Washer Anneau de serrage (colorette acier inoxydable) Avec vis de serrage, boulon et rondelle Abrazadera de ensamblaje (aro frontal acero inoxidable) Con tornillo, tuerca y arandela			1

Part No. Pièces N° N° de pieza	Description	Description	Description	No. Required Quantité requise Cantidad requisa
SPX0590A	Stainless Steel Face Rim	Colorette en acier inoxydable		1
SPX0590Z1	Lens Verre	Lente		1
SPX0590G	Lens Gasket	Joint du verre	Empaque de lente	1
SPX0590Z2A	Face Rim Lockscrew with Fastener Anneau de serrage avec vis, boulon et rondelle Anillo sujetador de aro con sostenedor			1
SPX0550Z4	12V, 100W Bulb - Incandescent	12/100W lampe incandescente		1
SPX0551Z4	120V, 100W Bulb - Incandescent	120V/100W lampe incandescente		1
SPX0590H	12V, 75W Bulb - Halogen	12V/75W Lampe halogène	12V/75W Lámpara halogéna	1
SPX0591H	120V, 100W Bulb - Halogen	120V/100W Lampe halogène		1
SPX0590K	Blue and Red Replacement Lens Cover Kit Kit de verre de remplacement rouge et bleu Juego de lentes de remplazo Rojo y Azul			1
SPX0592H	120V, 250W Bulb - Halogen	120V/250W Lampe halogène		1

HAYWARD®

FOR FURTHER INFORMATION OR CONSUMER TECHNICAL SUPPORT,
PLEASE CALL 866-772-2100 OR VISIT OUR WEB SITE AT www.haywardnet.com

PRODUCT ILLUSTRATIONS

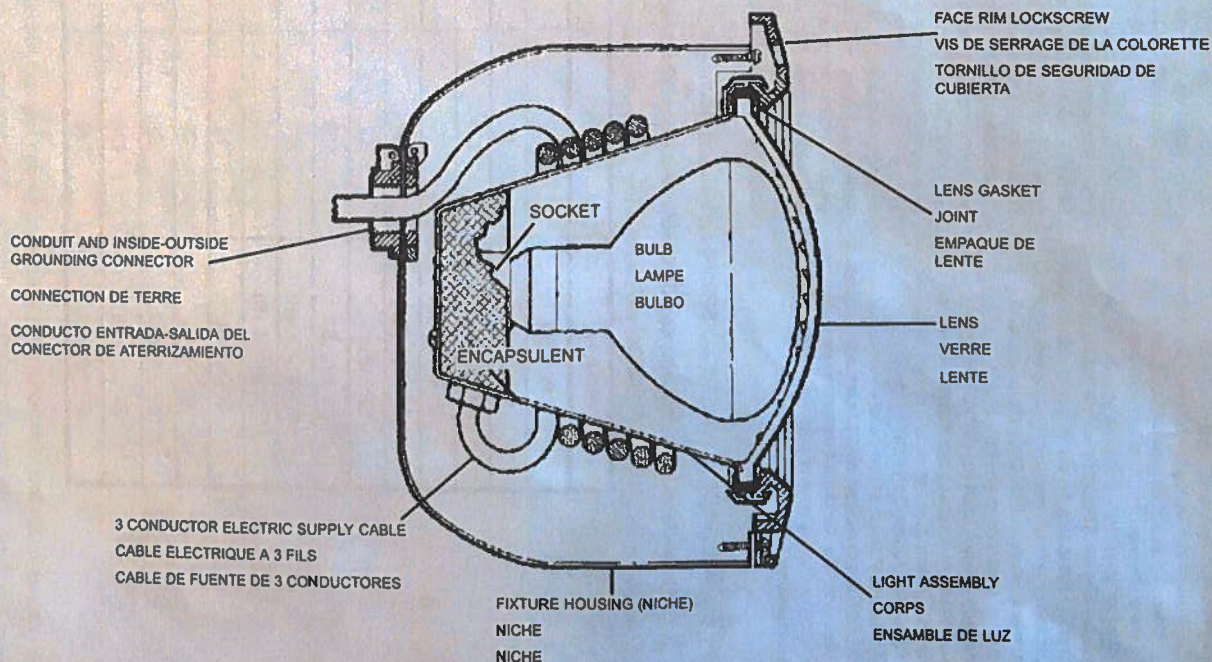


SP0580 SERIES POOL LIGHT FIXTURE INSIDE HAYWARD SP0600(U) NICHE
PROJECTEUR SERIE SP0580 POUR PISCINE A L'INTERIEUR DE LA NICHE HAYWARD SP0600(U)

SP0580 SERIE, LAMPARA DE PISCINA CON NICHOS SP0600(U)

SP0590 SERIES SPA LIGHT FIXTURE INSIDE HAYWARD SP0601(U) NICHE
PROJECTEUR SERIE SP0590 POUR SPA A L'INTERIEUR DE LA NICHE HAYWARD SP0601(U)

SP590 SERIE, LAMPARA DE SPA CON NICHOS SP-0601(U)



SP0570N SERIES POOL LIGHT FIXTURE INSIDE HAYWARD METALLIC NICHE
(REPLACEMENT LIGHT ONLY- NICHE MODELS SP0555/SP0506/SP0507 ARE NO LONGER AVAILABLE)
PROJECTEUR SERIE SP0570N POUR PISCINE A L'INTERIEUR DE LA NICHE METALLIQUE HAYWARD
(PROJECTEUR DE REMPLACEMENT SEULEMENT, LA NICHE N'EST PLUS DISPONIBLE)

SP0570N LAMPARA DE PISCINA ADENTRO DE NICHOS METALICO(SOLO PARA REEMPLAZO NICHOS NO ESTA MAS DISPONIBLE)

WARNING: The safety reflector has a qualified professional install the reflector. The user must supply the correct reflector. Failure to do so could result in severe personal injury. **ATTENTION:** Les réflecteurs ont une installation qualifiée par un professionnel. L'utilisateur doit fournir le réflecteur approprié. L'absence de celui-ci pourrait entraîner de graves blessures personnelles.

PRELACION: El reflector debe ser instalado por un profesional calificado. El usuario debe proporcionar el reflector adecuado. La falta de este podría resultar en graves lesiones personales.

ENGLISH

FRANCAIS

ESPAÑOL

NOTES: For installation of Hayward® PPS or stainless steel fixture housing, refer to the Hayward® PPS or stainless steel fixture housing instructions.

1. The light fixture must be installed in a position that allows the light to be directed at the pool. The light fixture must be installed in a position that allows the light to be directed at the pool. The light fixture must be installed in a position that allows the light to be directed at the pool.

2. Before the Hayward® reflector is installed, the Hayward® reflector must be installed in a position that allows the light to be directed at the pool. The light fixture must be installed in a position that allows the light to be directed at the pool.

3. Before the Hayward® reflector is installed, the Hayward® reflector must be installed in a position that allows the light to be directed at the pool. The light fixture must be installed in a position that allows the light to be directed at the pool.

4a. (SP0570N) Before the Hayward® reflector is installed, the Hayward® reflector must be installed in a position that allows the light to be directed at the pool. The light fixture must be installed in a position that allows the light to be directed at the pool.

4b. (SP0570N) Before the Hayward® reflector is installed, the Hayward® reflector must be installed in a position that allows the light to be directed at the pool. The light fixture must be installed in a position that allows the light to be directed at the pool.

4c. (SP0570N) Before the Hayward® reflector is installed, the Hayward® reflector must be installed in a position that allows the light to be directed at the pool. The light fixture must be installed in a position that allows the light to be directed at the pool.

5. Connect the light fixture cord to the power supply with a listed junction box. The light fixture must be installed in a position that allows the light to be directed at the pool.

6. Connect the light fixture cord to the power supply with a listed junction box. The light fixture must be installed in a position that allows the light to be directed at the pool.

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14. Connect the light fixture cord to the power supply with a listed junction box. The light fixture must be installed in a position that allows the light to be directed at the pool.

15. Connect the light fixture cord to the power supply with a listed junction box. The light fixture must be installed in a position that allows the light to be directed at the pool.

NOTES: Pour l'installation de l'Hayward® PPS ou du boîtier en acier inoxydable, consultez les instructions Hayward® PPS ou du boîtier en acier inoxydable.

1. Le réflecteur doit être installé en une position qui permet de diriger la lumière vers la piscine. Le réflecteur doit être installé en une position qui permet de diriger la lumière vers la piscine.

2. Avant d'installer le réflecteur Hayward®, le réflecteur doit être installé en une position qui permet de diriger la lumière vers la piscine. Le réflecteur doit être installé en une position qui permet de diriger la lumière vers la piscine.

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5. Connectez le câble du réflecteur à l'alimentation électrique avec une boîte de jonction homologuée. Le réflecteur doit être installé en une position qui permet de diriger la lumière vers la piscine.

6. Connectez le câble du réflecteur à l'alimentation électrique avec une boîte de jonction homologuée. Le réflecteur doit être installé en une position qui permet de diriger la lumière vers la piscine.

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NOTES: Para la instalación de accesorio de PVC o de acero inoxidable (reflector), ver las instrucciones Hayward®. Solo el accesorio.

1. El reflector debe ser instalado en la posición que permita dirigir la luz hacia la piscina. El reflector debe ser instalado en la posición que permita dirigir la luz hacia la piscina.

2. Antes de instalar el reflector Hayward®, el reflector debe ser instalado en la posición que permita dirigir la luz hacia la piscina. El reflector debe ser instalado en la posición que permita dirigir la luz hacia la piscina.

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4b. (SP0570N) Antes de instalar el reflector Hayward®, el reflector debe ser instalado en la posición que permita dirigir la luz hacia la piscina. El reflector debe ser instalado en la posición que permita dirigir la luz hacia la piscina.

4c. (SP0570N) Antes de instalar el reflector Hayward®, el reflector debe ser instalado en la posición que permita dirigir la luz hacia la piscina. El reflector debe ser instalado en la posición que permita dirigir la luz hacia la piscina.

5. Conecte el cable eléctrico del reflector a la fuente de poder con una caja de conexión certificada. El reflector debe ser instalado en la posición que permita dirigir la luz hacia la piscina.

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13. Conecte el cable eléctrico del reflector a la fuente de poder con una caja de conexión certificada. El reflector debe ser instalado en la posición que permita dirigir la luz hacia la piscina.

14. Conecte el cable eléctrico del reflector a la fuente de poder con una caja de conexión certificada. El reflector debe ser instalado en la posición que permita dirigir la luz hacia la piscina.

15. Conecte el cable eléctrico del reflector a la fuente de poder con una caja de conexión certificada. El reflector debe ser instalado en la posición que permita dirigir la luz hacia la piscina.

NOTES: Para la instalación de accesorio de PVC o de acero inoxidable (reflector), ver las instrucciones Hayward®. Solo el accesorio.

1. El reflector debe ser instalado en la posición que permita dirigir la luz hacia la piscina. El reflector debe ser instalado en la posición que permita dirigir la luz hacia la piscina.

2. Antes de instalar el reflector Hayward®, el reflector debe ser instalado en la posición que permita dirigir la luz hacia la piscina. El reflector debe ser instalado en la posición que permita dirigir la luz hacia la piscina.

3. Antes de instalar el reflector Hayward®, el reflector debe ser instalado en la posición que permita dirigir la luz hacia la piscina. El reflector debe ser instalado en la posición que permita dirigir la luz hacia la piscina.

4a. (SP0570N) Antes de instalar el reflector Hayward®, el reflector debe ser instalado en la posición que permita dirigir la luz hacia la piscina. El reflector debe ser instalado en la posición que permita dirigir la luz hacia la piscina.

4b. (SP0570N) Antes de instalar el reflector Hayward®, el reflector debe ser instalado en la posición que permita dirigir la luz hacia la piscina. El reflector debe ser instalado en la posición que permita dirigir la luz hacia la piscina.

4c. (SP0570N) Antes de instalar el reflector Hayward®, el reflector debe ser instalado en la posición que permita dirigir la luz hacia la piscina. El reflector debe ser instalado en la posición que permita dirigir la luz hacia la piscina.

5. Conecte el cable eléctrico del reflector a la fuente de poder con una caja de conexión certificada. El reflector debe ser instalado en la posición que permita dirigir la luz hacia la piscina.

6. Conecte el cable eléctrico del reflector a la fuente de poder con una caja de conexión certificada. El reflector debe ser instalado en la posición que permita dirigir la luz hacia la piscina.

7. Conecte el cable eléctrico del reflector a la fuente de poder con una caja de conexión certificada. El reflector debe ser instalado en la posición que permita dirigir la luz hacia la piscina.

8. Conecte el cable eléctrico del reflector a la fuente de poder con una caja de conexión certificada. El reflector debe ser instalado en la posición que permita dirigir la luz hacia la piscina.

9. Conecte el cable eléctrico del reflector a la fuente de poder con una caja de conexión certificada. El reflector debe ser instalado en la posición que permita dirigir la luz hacia la piscina.

10. Conecte el cable eléctrico del reflector a la fuente de poder con una caja de conexión certificada. El reflector debe ser instalado en la posición que permita dirigir la luz hacia la piscina.

11. Conecte el cable eléctrico del reflector a la fuente de poder con una caja de conexión certificada. El reflector debe ser instalado en la posición que permita dirigir la luz hacia la piscina.

12. Conecte el cable eléctrico del reflector a la fuente de poder con una caja de conexión certificada. El reflector debe ser instalado en la posición que permita dirigir la luz hacia la piscina.

13. Conecte el cable eléctrico del reflector a la fuente de poder con una caja de conexión certificada. El reflector debe ser instalado en la posición que permita dirigir la luz hacia la piscina.

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15. Conecte el cable eléctrico del reflector a la fuente de poder con una caja de conexión certificada. El reflector debe ser instalado en la posición que permita dirigir la luz hacia la piscina.

DISASSEMBLY OF FIXTURE

SP0570N SP0580(S) SP0590 SERIES

Only qualified service personnel should perform re-assembly and servicing of fixture. Note to serviceperson: Loosen clamp retaining screw only far enough to free range of face rim and lens. When re-assembly, SP0580 or SP0590 series light fixture, be sure that the lens is properly seated. When re-assembly, SP0570N series light fixture, be sure that the lens is properly seated. When re-assembly, SP0580 or SP0590 series light fixture, be sure that the lens is properly seated. When re-assembly, SP0570N series light fixture, be sure that the lens is properly seated.

CAUTION: Do not allow skin to contact halogen bulb or lens. Skin should be kept dry. If contact occurs, wipe with damp cloth and seek advice. When any bulb is being replaced, be sure that the lens is properly seated.

DEMONTAGE DU PROJECTEUR

SERIE SP0570N SP0580(S) SP0590

Seulement un personnel qualifié peut changer la lampe et le projecteur. Note au serviceperson: Dévissez la vis de serrage de la bague de maintien de la face et du verre. Lorsque vous réassemblez, assurez-vous que la lampe est correctement installée. Lorsque vous réassemblez, assurez-vous que la lampe est correctement installée. Lorsque vous réassemblez, assurez-vous que la lampe est correctement installée. Lorsque vous réassemblez, assurez-vous que la lampe est correctement installée.

ATTENTION: Ne laissez pas votre peau entrer en contact avec le tube à halogène ou le verre. Gardez la peau sèche. En cas de contact, essuyez avec un chiffon humide et consultez un médecin. Lorsque vous remplacez une ampoule, assurez-vous que le verre est correctement installé.

DESARMADO DE EL ACCESORIO

SP0570N SP0580(S) SP0590 SERIES

Sólo personal calificado debe proceder a desarmar el accesorio. Nota al personal de servicio: Afloje el tornillo de retención de la bague de la cara y del lente. Cuando re-arme, asegure que la lámpara esté correctamente instalada. Cuando re-arme, asegure que la lámpara esté correctamente instalada. Cuando re-arme, asegure que la lámpara esté correctamente instalada. Cuando re-arme, asegure que la lámpara esté correctamente instalada.

PRECAUCIÓN: No permita que la piel entre en contacto con el tubo de halógeno o el lente. Mantenga la piel seca. Si ocurre contacto, limpie con un paño húmedo y consulte a un médico. Cuando reemplace una bombilla, asegure que el lente esté correctamente instalado.

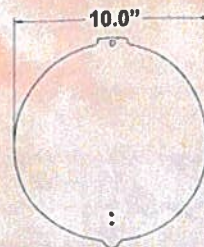
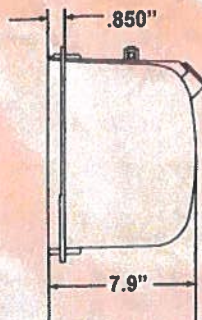
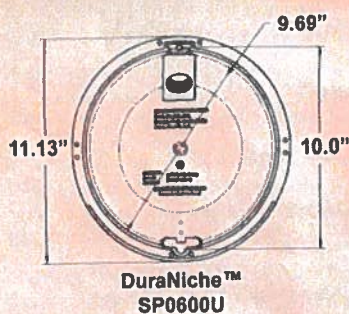
Hayward SP0570N SP0580 and SP0590 Series Light Fixtures are UL Listed for Use with Hayward® Fixture Mountings (Niche). See Chart below.

Les projecteurs de la série Hayward SP0570N, SP0580 et SP0590 sont certifiés UL pour l'emploi avec les niches Hayward®.

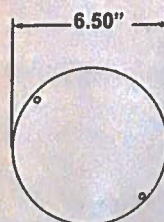
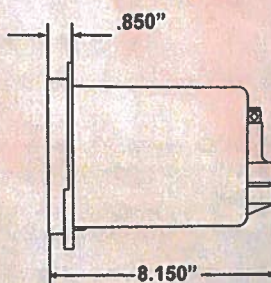
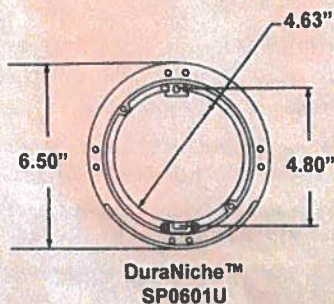
Hayward SP0570N Y SP0580 Accesorios de estas series están listados bajo normas UL para uso con recatadores Hayward® (nichos). Ver la tabla en la parte inferior.

Model No.	Watts AC	Watts	Note
SP0570N	12	100	SP0565/SP0566/SP0567/SP0568/SP0569/SP0570/SP0571/SP0572/SP0573/SP0574/SP0575/SP0576/SP0577/SP0578/SP0579/SP0580/SP0581/SP0582/SP0583/SP0584/SP0585/SP0586/SP0587/SP0588/SP0589/SP0590/SP0591/SP0592/SP0593/SP0594/SP0595/SP0596/SP0597/SP0598/SP0599/SP0600/SP0601/SP0602/SP0603/SP0604/SP0605/SP0606/SP0607/SP0608/SP0609/SP0610/SP0611/SP0612/SP0613/SP0614/SP0615/SP0616/SP0617/SP0618/SP0619/SP0620/SP0621/SP0622/SP0623/SP0624/SP0625/SP0626/SP0627/SP0628/SP0629/SP0630/SP0631/SP0632/SP0633/SP0634/SP0635/SP0636/SP0637/SP0638/SP0639/SP0640/SP0641/SP0642/SP0643/SP0644/SP0645/SP0646/SP0647/SP0648/SP0649/SP0650/SP0651/SP0652/SP0653/SP0654/SP0655/SP0656/SP0657/SP0658/SP0659/SP0660/SP0661/SP0662/SP0663/SP0664/SP0665/SP0666/SP0667/SP0668/SP0669/SP0670/SP0671/SP0672/SP0673/SP0674/SP0675/SP0676/SP0677/SP0678/SP0679/SP0680/SP0681/SP0682/SP0683/SP0684/SP0685/SP0686/SP0687/SP0688/SP0689/SP0690/SP0691/SP0692/SP0693/SP0694/SP0695/SP0696/SP0697/SP0698/SP0699/SP0700/SP0701/SP0702/SP0703/SP0704/SP0705/SP0706/SP0707/SP0708/SP0709/SP0710/SP0711/SP0712/SP0713/SP0714/SP0715/SP0716/SP0717/SP0718/SP0719/SP0720/SP0721/SP0722/SP0723/SP0724/SP0725/SP0726/SP0727/SP0728/SP0729/SP0730/SP0731/SP0732/SP0733/SP0734/SP0735/SP0736/SP0737/SP0738/SP0739/SP0740/SP0741/SP0742/SP0743/SP0744/SP0745/SP0746/SP0747/SP0748/SP0749/SP0750/SP0751/SP0752/SP0753/SP0754/SP0755/SP0756/SP0757/SP0758/SP0759/SP0760/SP0761/SP0762/SP0763/SP0764/SP0765/SP0766/SP0767/SP0768/SP0769/SP0770/SP0771/SP0772/SP0773/SP0774/SP0775/SP0776/SP0777/SP0778/SP0779/SP0780/SP0781/SP0782/SP0783/SP0784/SP0785/SP0786/SP0787/SP0788/SP0789/SP0790/SP0791/SP0792/SP0793/SP0794/SP0795/SP0796/SP0797/SP0798/SP0799/SP0800/SP0801/SP0802/SP0803/SP0804/SP0805/SP0806/SP0807/SP0808/SP0809/SP0810/SP0811/SP0812/SP0813/SP0814/SP0815/SP0816/SP0817/SP0818/SP0819/SP0820/SP0821/SP0822/SP0823/SP0824/SP0825/SP0826/SP0827/SP0828/SP0829/SP0830/SP0831/SP0832/SP0833/SP0834/SP0835/SP0836/SP0837/SP0838/SP0839/SP0840/SP0841/SP0842/SP0843/SP0844/SP0845/SP0846/SP0847/SP0848/SP0849/SP0850/SP0851/SP0852/SP0853/SP0854/SP0855/SP0856/SP0857/SP0858/SP0859/SP0860/SP0861/SP0862/SP0863/SP0864/SP0865/SP0866/SP0867/SP0868/SP0869/SP0870/SP0871/SP0872/SP0873/SP0874/SP0875/SP0876/SP0877/SP0878/SP0879/SP0880/SP0881/SP0882/SP0883/SP0884/SP0885/SP0886/SP0887/SP0888/SP0889/SP0890/SP0891/SP0892/SP0893/SP0894/SP0895/SP0896/SP0897/SP0898/SP0899/SP0900/SP0901/SP0902/SP0903/SP0904/SP0905/SP0906/SP0907/SP0908/SP0909/SP0910/SP0911/SP0912/SP0913/SP0914/SP0915/SP0916/SP0917/SP0918/SP0919/SP0920/SP0921/SP0922/SP0923/SP0924/SP0925/SP0926/SP0927/SP0928/SP0929/SP0930/SP0931/SP0932/SP0933/SP0934/SP0935/SP0936/SP0937/SP0938/SP0939/SP0940/SP0941/SP0942/SP0943/SP0944/SP0945/SP0946/SP0947/SP0948/SP0949/SP0950/SP0951/SP0952/SP0953/SP0954/SP0955/SP0956/SP0957/SP0958/SP0959/SP0960/SP0961/SP0962/SP0963/SP0964/SP0965/SP0966/SP0967/SP0968/SP0969/SP0970/SP0971/SP0972/SP0973/SP0974/SP0975/SP0976/SP0977/SP0978/SP0979/SP0980/SP0981/SP0982/SP0983/SP0984/SP0985/SP0986/SP0987/SP0988/SP0989/SP0990/SP0991/SP0992/SP0993/SP0994/SP0995/SP0996/SP0997/SP0998/SP0999/SP1000/SP1001/SP1002/SP1003/SP1004/SP1005/SP1006/SP1007/SP1008/SP1009/SP1010/SP1011/SP1012/SP1013/SP1014/SP1015/SP1016/SP1017/SP1018/SP1019/SP1020/SP1021/SP1022/SP1023/SP1024/SP1025/SP1026/SP1027/SP1028/SP1029/SP1030/SP1031/SP1032/SP1033/SP1034/SP1035/SP1036/SP1037/SP1038/SP1039/SP1040/SP1041/SP1042/SP1043/SP1044/SP1045/SP1046/SP1047/SP1048/SP1049/SP1050/SP1051/SP1052/SP1053/SP1054/SP1055/SP1056/SP1057/SP1058/SP1059/SP1060/SP1061/SP1062/SP1063/SP1064/SP1065/SP1066/SP1067/SP1068/SP1069/SP1070/SP1071/SP1072/SP1073/SP1074/SP1075/SP1076/SP1077/SP1078/SP1079/SP1080/SP1081/SP1082/SP1083/SP1084/SP1085/SP1086/SP1087/SP1088/SP1089/SP1090/SP1091/SP1092/SP1093/SP1094/SP1095/SP1096/SP1097/SP1098/SP1099/SP1100/SP1101/SP1102/SP1103/SP1104/SP1105/SP1106/SP1107/SP1108/SP1109/SP1110/SP1111/SP1112/SP1113/SP1114/SP1115/SP1116/SP1117/SP1118/SP1119/SP1120/SP1121/SP1122/SP1123/SP1124/SP1125/SP1126/SP1127/SP1128/SP1129/SP1130/SP1131/SP1132/SP1133/SP1134/SP1135/SP1136/SP1137/SP1138/SP1139/SP1140/SP1141/SP1142/SP1143/SP1144/SP1145/SP1146/SP1147/SP1148/SP1149/SP1150/SP1151/SP1152/SP1153/SP1154/SP1155/SP1156/SP1157/SP1158/SP1159/SP1160/SP1161/SP1162/SP1163/SP1164/SP1165/SP1166/SP1167/SP1168/SP1169/SP1170/SP1171/SP1172/SP1173/SP1174/SP1175/SP1176/SP1177/SP1178/SP1179/SP1180/SP1181/SP1182/SP1183/SP1184/SP1185/SP1186/SP1187/SP1188/SP1189/SP1190/SP1191/SP1192/SP1193/SP1194/SP1195/SP1196/SP1197/SP1198/SP1199/SP1200/SP1201/SP1202/SP1203/SP1204/SP1205/SP1206/SP1207/SP1208/SP1209/SP1210/SP1211/SP1212/SP1213/SP1214/SP1215/SP1216/SP1217/SP1218/SP1219/SP1220/SP1221/SP1222/SP1223/SP1224/SP1225/SP1226/SP1227/SP1228/SP1229/SP1230/SP1231/SP1232/SP1233/SP1234/SP1235/SP1236/SP1237/SP1238/SP1239/SP1240/SP1241/SP1242/SP1243/SP1244/SP1245/SP1246/SP1247/SP1248/SP1249/SP1250/SP1251/SP1252/SP1253/SP1254/SP1255/SP1256/SP1257/SP1258/SP1259/SP1260/SP1261/SP1262/SP1263/SP1264/SP1265/SP1266/SP1267/SP1268/SP1269/SP1270/SP1271/SP1272/SP1273/SP1274/SP1275/SP1276/S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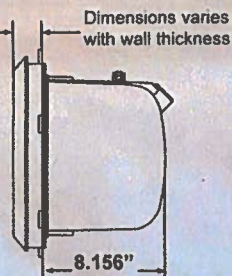
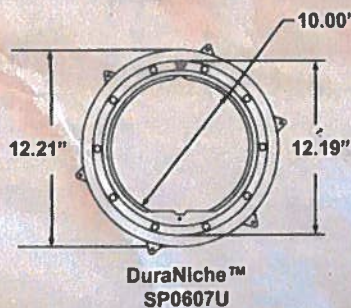
PRODUCT SPECIFICATIONS



Niche Cover-SP0600J
SPX0555Z2- Bolts (1)



Niche Cover-SP0601N



- SPX0507A1- Faceplate
- SPX0507D- Backup Ring
- SPX0506D- Gaskets (2)
- SPX0555Z2- Bolts (1)
- SPX0607Z1A- Screw Set 10 pcs. (1)

NOTE: These items are protected by the following patents:
#5.432.688. Other patents pending

HAYWARD Pool Products
A Hayward Industries, Inc. Company

USE ONLY HAYWARD GENUINE REPLACEMENT PARTS

Pomona, CA
Clemmons, NC

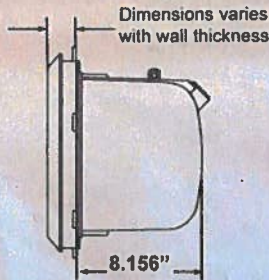
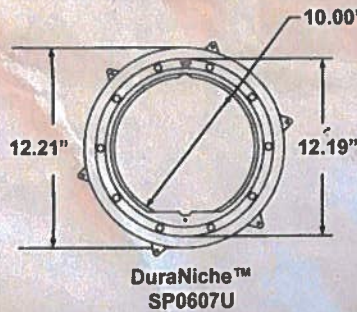
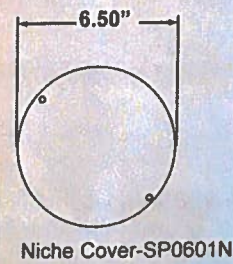
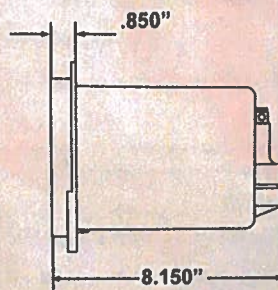
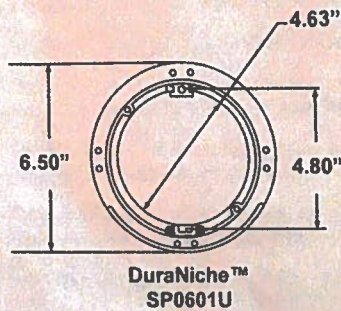
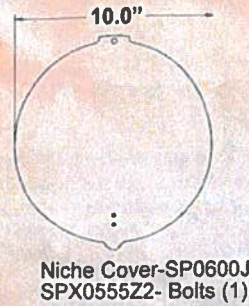
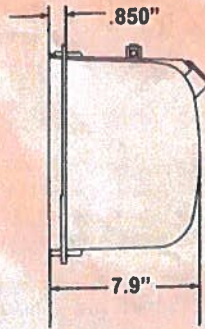
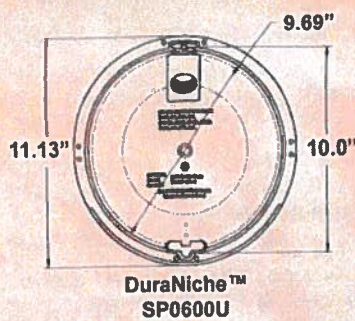
Nashville, TN
West Palm Beach, FL

North Kingston, RI
Oakville, ON, Canada

St. Vulbas, France
Wuxi China

www.haywardpool.com

PRODUCT SPECIFICATIONS



- SPX0507A1- Faceplate
- SPX0507D- Backup Ring
- SPX0506D- Gaskets (2)
- SPX0555Z2- Bolts (1)
- SPX0607Z1A- Screw Set 10 pcs. (1)

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DuraNiche™ SERIES

UNDERWATER LIGHTING FIXTURE HOUSINGS

MODEL NO. SP0600U-FOR CONCRETE POOLS
MODEL NO. SP0601U-FOR CONCRETE POOL/SPA
MODEL NO. SP0607U- FOR VINYL/FIBERGLASS POOLS



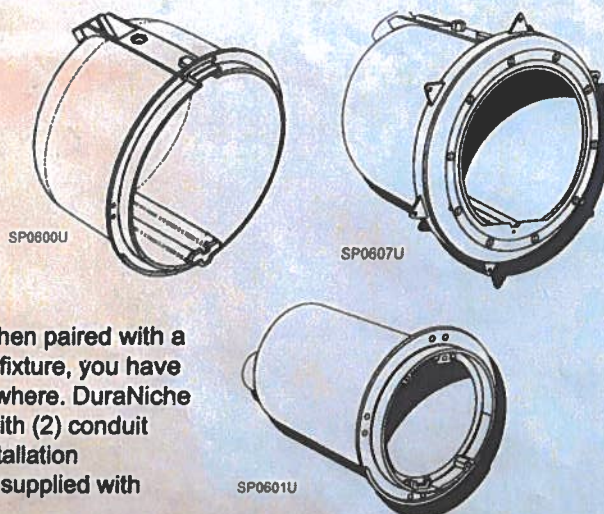
Approved for use by NYC
Department of Buildings

INSTALLATION INSTRUCTIONS

Unlike metallic niches, DuraNiche™ niches are injection-molded of PVC for superior performance, non-corrosive durability and plumbing versatility - plus the lowest installed cost.

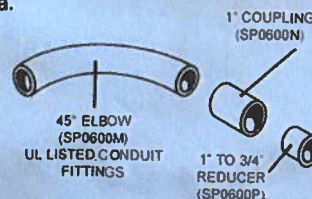
The ability to accept PVC over expensive metal conduit enables DuraNiche™ to offer true bottom line savings in materials, as well as time to install

DuraNiche™ comes in three models for concrete/gunite pools, vinyl/ fiberglass pools, or for concrete/gunite spas. When paired with a Hayward AstroLite™ AstroLite II™ or ColorLogic® LED light fixture, you have the best quality and value in a lighting system available anywhere. DuraNiche Models, SP0600U, SP0601U and SP0607U are furnished with (2) conduit fittings (reducer and elbow/coupling) to allow for specific installation requirements. Models SP0600IMG and SP0601IMG are not supplied with conduit fittings but installation is otherwise identical



IMPORTANT INFORMATION REGARDING ALL MODELS

1. DuraNiche™ underwater lighting fixture housings are Underwriters Laboratories (UL) Listed under File E 39338- Category WBDT. These niches are New York City (NYC) Bureau of Electrical Control approved for use with low voltage (12 volt) lighting fixtures. UL Listed for fresh water and complies with National Electrical Code [NEC].
2. DuraNiche™ model SP0600U and SP0607 underwater fixture housings are UL Listed only for use with Hayward Submersible Light Fixture Series SP0520LED, SP0540, SP0570, SP0580 and SP0580S. Model SP0601 Underwater Light Fixture Housing (Niche) is UL Listed for use with Hayward Submersible Light Fixture Series SP0530LED and SP0590.
3. All DuraNiche™ underwater lighting fixture housings must be installed in compliance with Article 680 of the National Electrical Code (NEC) or other applicable electrical codes and with any applicable building codes. Article 680 requires that light fixtures be installed with the top of the fixture lens at least 18 inches below the normal water level of the pool or spa.
4. Most DuraNiche™ underwater lighting fixture housings are provided with two (2) Conduit Fittings. A 1" trade size 45° sweep elbow/coupling is provided for the purpose of directing the conduit pipe towards the SP0680/ SP0681 Listed Junction Box location and connecting the conduit pipe to the 45° sweep elbow. A 1" - 3/4" reducer bushing is provided to permit the use of 3/4" conduit pipe. These conduit fittings must be cemented to the fixture housing (niche), field supplied conduit pipe and to other conduit fittings using approved PVC primer and cement.
5. All DuraNiche™ underwater lighting fixture housings are provided with a combination bonding/grounding connector. The outside connection is the bonding connector as required by Article 680-26 of the NEC. The NEC requires that the bonding wire be AWG 8 or larger. Local codes may require a continuous loop and may require that the bonding point on the fixture housing (niche) be encapsulated. The inside connection is the grounding connector as required by Article 680-23B of the NEC. The NEC requires that where a nonmetallic conduit is used, an AWG 8 insulated copper conductor be installed in this conduit. This conductor is to be connected to the niche grounding connector. The connector and wire termination must be encapsulated in 3M Inc. Scotch Cast Wet Niche Potting Compound No. 2135 (UL File E130394) or equivalent to protect such connection from the possible deteriorating effect of pool water.
6. All DuraNiche™ niches are equipped with Internally-threaded connection for pressure testing of conduit line before installing light.



SAVE THESE INSTRUCTIONS

USE ONLY HAYWARD GENUINE REPLACEMENT PARTS

INSTALLATION INSTRUCTIONS FOR SP0600U AND SP0601U

FEATURES COMMON TO SP0600U AND SP0601U - FOR CONCRETE

1. 3/4" set-back plaster flange with tie-off holes to secure to rebar and assure positive positioning during guniting.
2. Unique 90° ledge at the flange bottom prevents "slumping" during plastering.
3. Niche cover (see back page) included with each niche, protects the niche and mounting threads during guniting.
4. The SP0601U small diameter niche has extra space for easy coiling and storage of the relamping cord.

Models SP0600U (Pool) and SP0601U (Spa) Underwater Lighting Fixture Housings are intended for installation in pools or spas with floors and walls formed of gunite or concrete (shotcrete) with a concrete reinforcing bar (rebar) frame. Gunite is a mixture of Portland Cement and sand while shotcrete is a high strength (4000 psi) concrete utilizing Portland Cement and small size aggregate.

The outside shape of the pool or spa is formed from SteelTek or other suitable material. In some cases, the excavated dirt wall will serve as the outside form. The inside wall of the pool or spa is formed from rebar that is bent to the desired shape (See Illustration A). The distance between the outer and inner wall is called the beam and is typically 8 to 12 inches. Rebar steel should be set at 10" for a 12" beam and 8" for a 10" beam. The distance between the niche flange and the outer wall should be the beam dimension. At all points where the rebar crosses, tie wire is used to connect the rebar securely.

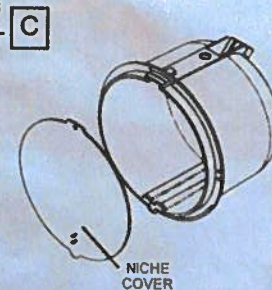
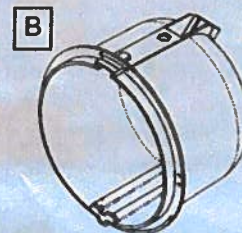
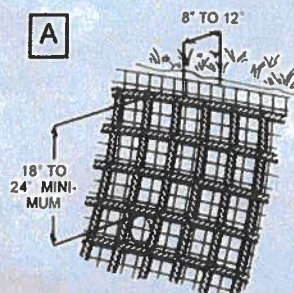
1. Position the Model SP 0600U (Pool) or SP 0601 U (Spa) between adjacent rebars such that the niche is held on four sides by sections of rebar. At the time the niches are installed it may be necessary to add sections of rebar or move existing sections to one side or another in order to insure that the niche is held securely. (see illustration B) The brass/bonding connector must be located at the 12 o'clock position (top center).

THE NEC REQUIRES THAT THE TOP OF THE LIGHT LENS BE AT LEAST 18 INCHES BELOW THE WATER LEVEL EXCEPT WHEN THE LUMINAIRE IS INSTALLED IN AN AREA OF THE SWIMMING POOL THAT IS NOT USED FOR SWIMMING AND THE LENS IS ADEQUATELY GUARDED TO KEEP ANY PERSON FROM CONTACTING IT. BE SURE TO POSITION NICHE SO THAT YOU COMPLY WITH THIS REQUIREMENT. SOME INSTALLERS POSITION NICHE 24 INCHES BELOW ANTICIPATED WATER LEVEL TO AVOID ANY INSPECTION AUTHORITY ISSUES WITH THIS REQUIREMENT

2. Once the niche(s) has been securely positioned (wedged) in the rebar it must be securely tied to the rebar with tie wire. Before tying niche in place make certain that niche is (vertical) plumb, and square to the form and that top of niche (where retaining screw is located) is at highest point at the 12 O'Clock position. The flanges of Niche Models SP0600U and SP0601U are provided with 187" diameter holes through which tie wire may be routed to facilitate securing the niche to the rebar. Tie wire should also be wrapped tightly around the outer circumference of the niche and then tied to the rebar. Once the niche is tied in place confirm that it is still plumb and that the distance from the outer wall to the niche flange is the correct beam dimension.

NOTE: The rebar will be approximately 2 inches from where the inside finished surface of the pool will be. You must be sure to leave approximately 2" between the DuraNiche™ flange and the rebar (see illustration C).

3. After attaching the niche to the rebar of the pool wall and cementing conduit and conduit fittings in place and connecting the #8 AWG bonding wire to the bonding connector as described, install the provided DuraNiche™ Cover. The niche cover must be installed in order to prevent gunite or concrete from entering the inside of the niche during the pouring/shooting process. Cover should be left in place until the light is installed in the niche. (see illustration C)
4. The outside bonding connection must be inspected before the concrete/gunite, pouring/shooting operation. Follow applicable codes. It is also necessary to keep concrete or gunite from hardening on the outer edge and flange of the niche during pouring/shooting.
5. Once the concrete/gunite has completely dried, the niche is ready to be "plastered". Plaster is typically a mixture of white Portland Cement and marble dust along with some pigment chosen to give the pool water the desired color. The "plaster" is applied about 1" thick in the area surrounding the niche. The distance between the front edge and the flange of the niche is filled with plaster.



INSTALLATION INSTRUCTIONS FOR SP0600U AND SP0601U

FEATURES COMMON TO SP0600U AND SP0601U- FOR CONCRETE

1. 3/4" set-back plaster flange with tie-off holes to secure to rebar and assure positive positioning during guniting.
2. Unique 90° ledge at the flange bottom prevents "slumping" during plastering.
3. Niche cover (see back page) included with each niche, protects the niche and mounting threads during guniting.
4. The SP0601U small diameter niche has extra space for easy coiling and storage of the relamping cord.

Models SP0600U (Pool) and SP0601U (Spa) Underwater Lighting Fixture Housings are intended for installation in pools or spas with floors and walls formed of gunite or concrete (shotcrete) with a concrete reinforcing bar (rebar) frame. Gunite is a mixture of Portland Cement and sand while shotcrete is a high strength (4000 psi) concrete utilizing Portland Cement and small size aggregate.

The outside shape of the pool or spa is formed from SteelTek or other suitable material. In some cases, the excavated dirt wall will serve as the outside form. The inside wall of the pool or spa is formed from rebar that is bent to the desired shape (See Illustration A). The distance between the outer and inner wall is called the beam and is typically 8 to 12 inches. Rebar steel should be set at 10" for a 12" beam and 8" for a 10" beam. The distance between the niche flange and the outer wall should be the beam dimension. At all points where the rebar crosses, tie wire is used to connect the rebar securely.

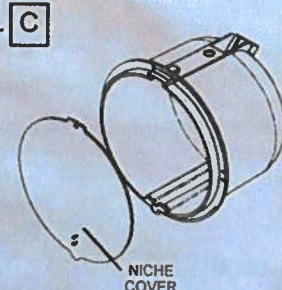
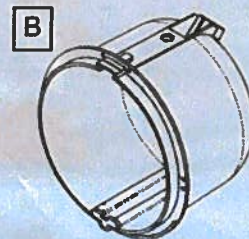
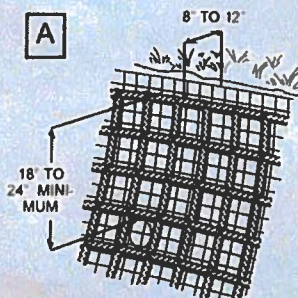
1. Position the Model SP 0600U (Pool) or SP 0601 U (Spa) between adjacent rebars such that the niche is held on four sides by sections of rebar. At the time the niches are installed it may be necessary to add sections of rebar or move existing sections to one side or another in order to insure that the niche is held securely. (see illustration B) The brass/bonding connector must be located at the 12 o'clock position (top center).

THE NEC REQUIRES THAT THE TOP OF THE LIGHT LENS BE AT LEAST 18 INCHES BELOW THE WATER LEVEL EXCEPT WHEN THE LUMINAIRE IS INSTALLED IN AN AREA OF THE SWIMMING POOL THAT IS NOT USED FOR SWIMMING AND THE LENS IS ADEQUATELY GUARDED TO KEEP ANY PERSON FROM CONTACTING IT BE SURE TO POSITION NICHE SO THAT YOU COMPLY WITH THIS REQUIREMENT. SOME INSTALLERS POSITION NICHE 24 INCHES BELOW ANTICIPATED WATER LEVEL TO AVOID ANY INSPECTION AUTHORITY ISSUES WITH THIS REQUIREMENT

2. Once the niche(s) has been securely positioned (wedged) in the rebar it must be securely tied to the rebar with tie wire. Before tying niche in place make certain that niche is (vertical) plumb, and square to the form and that top of niche (where retaining screw is located) is at highest point at the 12 O'Clock position. The flanges of Niche Models SP0600U and SP0601U are provided with 187" diameter holes through which tie wire may be routed to facilitate securing the niche to the rebar. Tie wire should also be wrapped tightly around the outer circumference of the niche and then tied to the rebar. Once the niche is tied in place confirm that it is still plumb and that the distance from the outer wall to the niche flange is the correct beam dimension.

NOTE: The rebar will be approximately 2 inches from where the inside finished surface of the pool will be. You must be sure to leave approximately 2" between the DuraNiche™ flange and the rebar (see illustration C)

3. After attaching the niche to the rebar of the pool wall and cementing conduit and conduit fittings in place and connecting the #8 AWG bonding wire to the bonding connector as described, install the provided DuraNiche™ Cover. The niche cover must be installed in order to prevent gunite or concrete from entering the inside of the niche during the pouring/shooting process. Cover should be left in place until the light is installed in the niche. (see illustration C)
4. The outside bonding connection must be inspected before the concrete/gunite, pouring/shooting operation. Follow applicable codes. It is also necessary to keep concrete or gunite from hardening on the outer edge and flange of the niche during pouring/shooting.
5. Once the concrete/gunite has completely dried, the niche is ready to be "plastered". Plaster is typically a mixture of white Portland Cement and marble dust along with some pigment chosen to give the pool water the desired color. The "plaster" is applied about 1" thick in the area surrounding the niche. The distance between the front edge and the flange of the niche is filled with plaster.



INSTALLATION INSTRUCTIONS FOR SP0607U

FEATURES EXCLUSIVE TO SP0607U- FOR VINYL/FIBERGLASS POOLS:

1. Attractive, injection-molded Duralon™ face rim assembly for corrosion-free performance.
2. Fits all standard punch designs, no tooling modifications are required.
3. Incorporates the dependability of Hayward's proven wall panel sealing method.

A. FOR VINYL LINED METAL WALL, FIBERGLASS PANEL OR FIBERGLASS POOLS

1. If not pre-punched by factory, drill and cut out wall panel sections as per dimensions below:

METAL OR FIBERGLASS PANEL CUT-OUT
CIRCULAR PANEL CUTOUT - 10 3/4" MAX. 10 5/8" MIN.
DRILL OR PUNCH - TEN (10) 5/16" HOLES ON 11 1/4" B.C., SPACED 36°
DRILL OR PUNCH - TWO (2) 1/4" HOLES ON 11 1/2" B.C. SPACED 180°

2. Insert shell through panel section from interior of pool, securing Grounding Bracket at TOP (12 O'clock). For fiberglass pools (without liner): Caulk rear side of shell flange with silicone or other suitable sealing compound prior to inserting shell through pool wall.
3. Align the securing screw holes (at top and bottom) of the shell with those of the wall panel and insert the two pan head securing screws through shell and panel. This step may be eliminated for fiberglass pools (without liner).
4. Align the holes of the backup rim with those on the exterior side of the wall panel and fasten the shell and backup rim to the wall panel with the two No. 13 x 5/8" self-tapping pan head securing screws. For fiberglass pools (without liner): Caulk front surface of backup rim prior to installing.
5. Align holes in gasket with holes in shell and affix to shell with small quantity of adhesive. Cement to hold gasket in place. (Two large holes in gasket will fit over the pan heads of the securing screws.)
6. If vinyl lined pool, install liner before proceeding with Step 7.
7. Align second gasket (not required for fiberglass pools without liner) and face plate and fasten tightly to shell assembly with ten (10) No. 13 x 1 1/4" flat-head self-tapping screws provided. Use a properly sized Phillips screwdriver to tighten these heavy-duty screws. (Note: Make sure that the two countersinks on the back of faceplate line up with the heads of the two securing screws.) If vinyl liner pool, pierce liner through faceplate holes one at a time prior to inserting screws. Secure DuraNiche™ to pool with screws following this sequence:

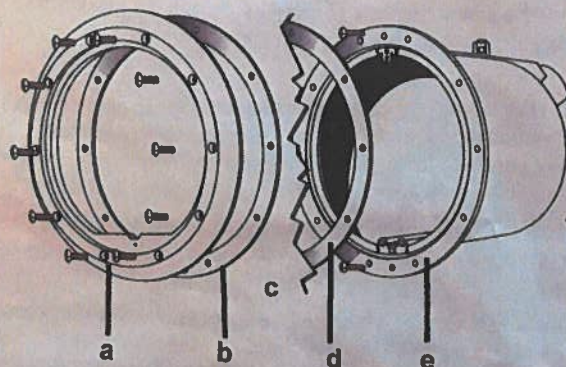
a. FACEPLATE b. GASKET c. VINYL LINER (OPTIONAL)
d. GASKET e. DuraNiche™ f. POOL PANEL g. BACKUP RING

8. Be sure to follow pool manufacturer's instructions. If vinyl lined pool, cut out liner along inside edges of faceplate.

B. FOR WOOD OR FIBER PANEL VINYL LINER POOLS

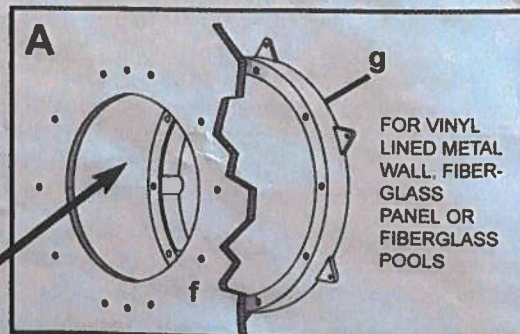
1. Cut out wall panel to 12 3/8" maximum, 12 1/8" minimum O.D. (Approximately 1/8" larger than O.D. of backup ring).
2. Insert backup ring through circular hole, from rear of panel, and fasten to rear of panel with (6) brass wood screws of proper length (not furnished).
3. Insert shell through panel from interior of pool, securing Grounding Bracket at TOP (12 o'clock).
4. Align the two securing screw holes at top and bottom of the shell with those of the backup ring with two (2) No. 13 x 5/8" self-tapping pan head securing screws.

REFER TO STEPS 5 THROUGH 8 AS ABOVE.

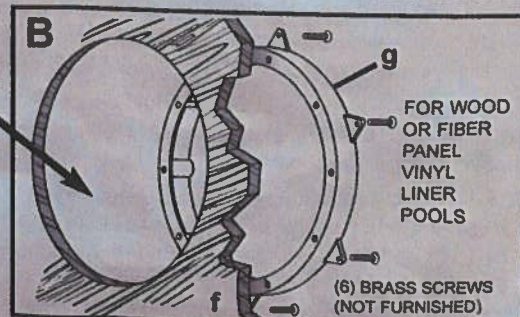


(10) #13 1 1/4" SCREWS

(2) #13 5/8" SCREWS



FOR VINYL
LINED METAL
WALL, FIBER-
GLASS
PANEL OR
FIBERGLASS
POOLS



FOR WOOD
OR FIBER
PANEL
VINYL
LINER
POOLS

(6) BRASS SCREWS
(NOT FURNISHED)

STEP INSTALLATION

1. Place the step in the appropriate location on your pool installation. The hardware package consists of the following components:

A. Eight leveling columns (Starter Kit).

- There are 4 each leveling columns cut at 36" and 4 each leveling columns cut at 24" for all 42" Steps in each Starter Kit.
- There are 4 each leveling columns cut at 42" and 4 each leveling columns cut at 24" for all 48" Steps in each Starter Kit.

B. One bag of 50 pieces of stainless steel Face Plate screws.

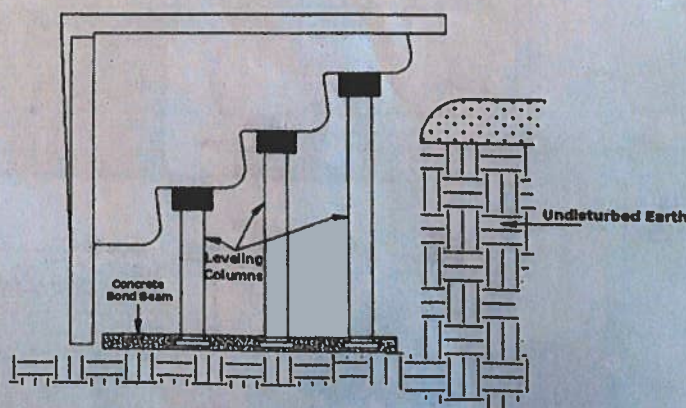
C. Eight "Step Leg Feet"

D. 'Slippery When Wet' Sticker.

NOTE: 2 Face Plate Caps are attached in packaging with warranty card on front of step.

2. Cut leveling support pipe to proper length as needed for your step. Additional leveling columns must be cut and placed under step for each support socket. (2" schedule 40 PVC) It is very important to brace the step to accommodate the size of your step.
3. Gently tap the leveling columns until they are fully seated in the sockets provided on the step support.
4. Properly level the step horizontally and vertically. Check the steps to make sure it is plumb with the flanking wall panels.
5. To insure proper installation, clamp the step to the flanking wall panels. This will allow proper wall and drilling alignment.
6. Pour a concrete bond beam at the base of the step at the same time the beam is poured around the wall and brace system.
7. Backfill the step cavity with granular material to achieve maximum compacting. Do not use clay, dirt, soil or other earthen materials for backfill. This material will not compact properly, leaving hollow cavities which will weaken step support over time.

***NOTE: Warranty will be void if not backfilled properly.
Leveling columns ARE NOT a substitute for proper backfilling.
Using only Leveling columns for support will void the warranty.**



COZY COVE/SWIMSEAT INSTALLATION

1. Place the step in the appropriate location on your pool installation.
The hardware package consists of the following components:

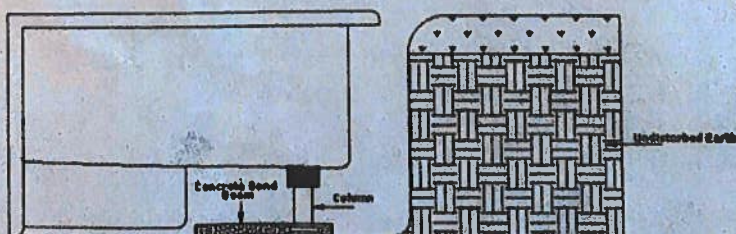
- A. 2 boxes of Eight leveling columns (Starter Kit).
 - There are 4 each leveling columns cut at 36" and 4 each leveling columns cut at 24" for all 42" Steps in each Starter Kit.
 - There are 4 each leveling columns cut at 42" and 4 each leveling columns cut at 24" for all 48" Steps in each Starter Kit.
- B. One bag of 50 pieces of stainless steel Face Plate screws.
- C. Eight "Step Leg Feet"
- D. "Slippery When Wet" Sticker.

NOTE: 2 Face Plate Caps are attached in packaging with warranty card on front of step.

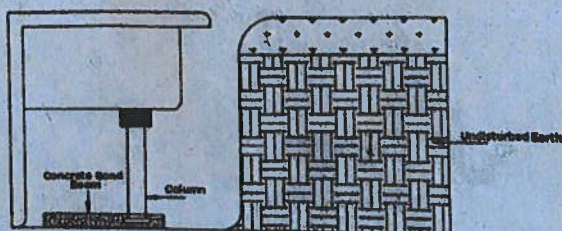
2. Cut leveling support pipe to proper length as needed for your cozy cove or swimseat. Additional leveling columns must be cut and placed under step for each support socket. (2" schedule 40 PVC). It is very important to brace the step to accommodate the size of your step.
3. Gently tap the leveling columns until they are fully seated in the sockets provided on the step support.
4. Properly level the cozy cove or swimseat horizontally and vertically. Check to make sure it is plumb with the flanking wall panels.
5. To insure proper installation, clamp the cozy cove or swimseat to the flanking wall panels. This will allow proper wall and drilling alignment.
6. Pour a concrete bond beam at the base of the cozy cove or swimseat at the same time the beam is poured around the wall and brace system.
7. Backfill the step cavity with granular material to achieve maximum compacting. Do not use clay, dirt, soil or other earthen materials for backfill. This material will not compact properly, leaving hollow cavities which will weaken step support over time.

***PLEASE NOTE:** The cozy cove/swimseat (with or without jets) are not steps and should not be used as such. Use as a step will void the warranty.

Cozy Cove



Swimseat



Rev Level: F

Rev Date: May 7, 2018

Doc. ID: HM304, Step/Cozy Cove/Swimout/In-Wall Ladder Installation

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