

ITEM #0191277 / 0296375

LANDSCAPE LIGHTING

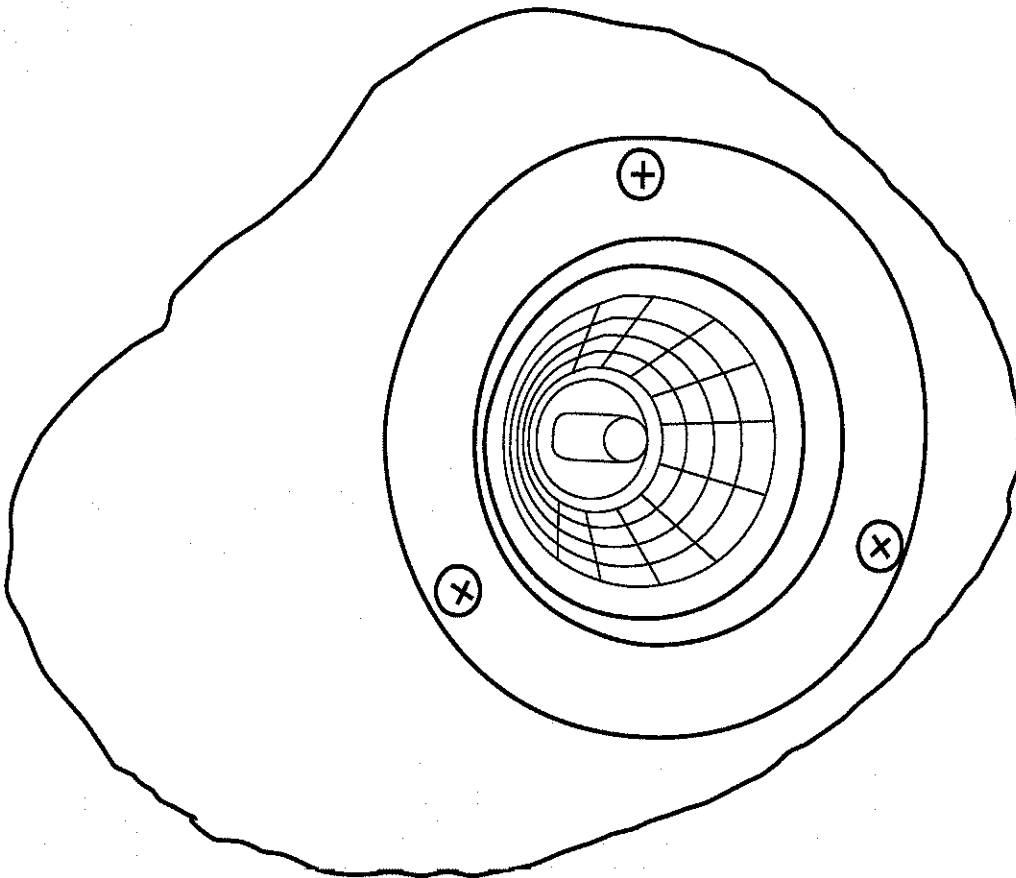


MODEL #LV11051

Français p. 8

Español p. 15

Portfolio Outdoor® is a registered trademark of LF, LLC. All Rights Reserved.



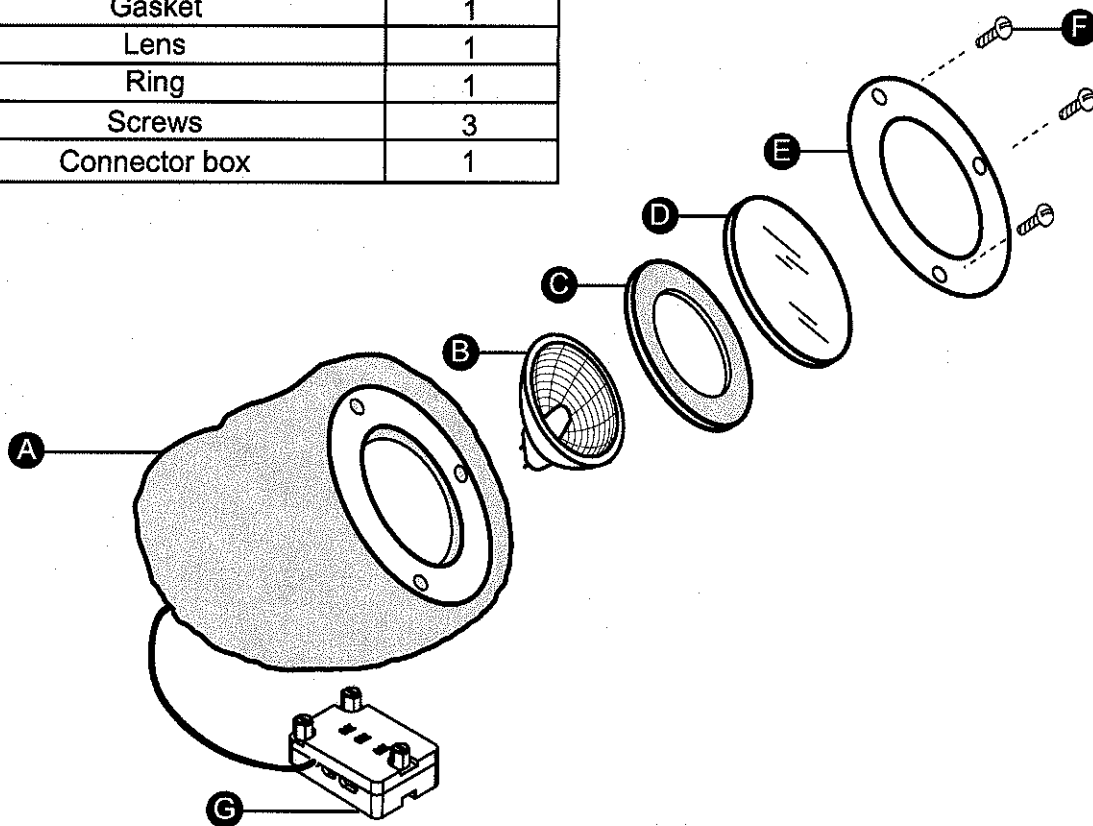
Questions, problems, missing parts? Before returning to your retailer, call our customer service department at 1-800-643-0067, 8am - 6pm EST Monday-Thursday; 8am - 5pm EST Friday.

TABLE OF CONTENTS

Package Contents	3
Safety Information	3
Preparation	4
Assembly Instructions	4
Installation Instructions	5
Care and Maintenance	6
Troubleshooting	6
Warranty	7
Replacement Parts List	7

PACKAGE CONTENTS

Part	Description	Quantity
A	Rock	1
B	20W Halogen MR16 Bulb	1
C	Gasket	1
D	Lens	1
E	Ring	1
F	Screws	3
G	Connector box	1



SAFETY INFORMATION

Please read and understand this entire manual before attempting to assemble, operate or install the product. If you have any questions regarding the product, please call customer service at 1-800-643-0067, 8am - 6pm EST Monday-Thursday; 8am - 5pm EST Friday.

INSTRUCTIONS PERTAINING TO A RISK OF FIRE, OR INJURY TO PERSONS IMPORTANT SAFETY INSTRUCTIONS

Lighted lamp is HOT!

WARNING - To reduce the risk of FIRE OR INJURY TO PERSONS:

- Turn off/unplug and allow to cool before replacing lamp.
- Lamp gets HOT quickly! Contact only switch/plug when turning on.
- Do not touch hot lens, enclosure or bulb protector.
- Keep lamp away from materials that may burn.
- Do not touch the lamp at any time. Use a soft cloth. Oil from skin may damage lamp.
- Do not operate the luminaire fitting with a missing or damaged lens or bulb protector.
- **WARNING - Risk of Electric Shock.** Install all luminaires 10 feet (3.05 m) or more from a pool, spa or fountain.
- Install in accordance with all local codes and ordinances.

Only for use with low voltage power units with a maximum output rating of 15V, 300W per secondary.

- **FOR LANDSCAPE LIGHTING SYSTEMS ONLY. OUTDOOR USE ONLY. THE DEVICE IS ACCEPTED AS A COMPONENT OF A LANDSCAPE LIGHTING SYSTEM WHERE THE SUITABILITY OF THE COMBINATION SHALL BE DETERMINED BY CSA OR LOCAL INSPECTION AUTHORITIES HAVING JURISDICTION**

PREPARATION

Before beginning assembly of the product, make sure that all parts are present. Compare parts with package contents list and diagram on previous page. If any part is missing or damaged, do not attempt to assemble the product. Contact customer service for replacement parts.

Estimated Assembly Time: 2 minutes

Tools Required for Assembly: none

ASSEMBLY INSTRUCTIONS

1. Carefully remove the fixture from its protective packaging. (Fig. 1)
2. This unit is fully assembled, proceed to connect the unit. (Fig. 1)

To replace bulb

3. Turn off the power and allow the bulb (B) to cool. (Fig. 1)
4. Remove the three (3) screws (F) by turning counter-clockwise with a Philips head screwdriver. (Fig. 1)
5. Remove the ring (E), the lens (D) and the gasket (C). (Fig. 1)
6. Pull out the bulb (B). (Fig. 1)
7. Insert the new bulb (B) into the bulb socket. Use a soft cloth, as oil from skin may damage the lamp bulb. (Fig. 1)
8. Replace the gasket (C), the lens (D) and the ring (E). (Fig. 1)
9. Attach all the parts with the screws (F) by turning clockwise. (Fig. 1)

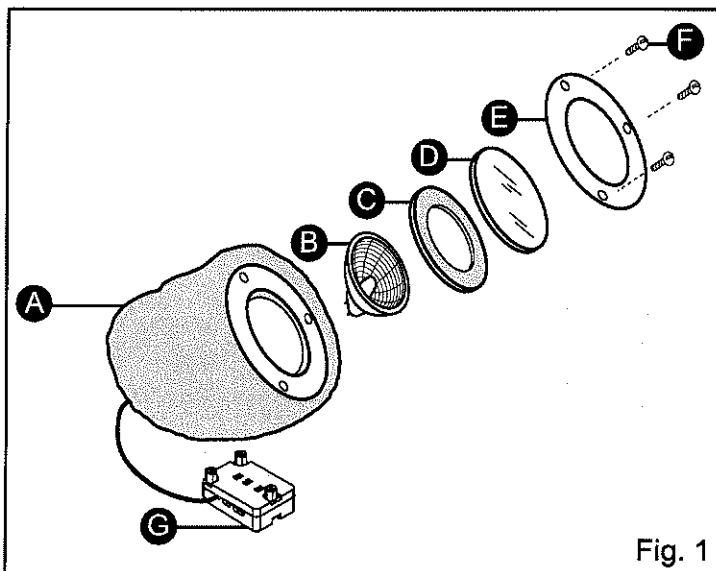


Fig. 1

NOTE: The lens should point up and never towards the ground.

INSTALLATION INSTRUCTIONS

Run the Landscape Wire

The landscape wire should run from the transformer to each light without being cut (Fig. 2). Do not run the landscape wire within 10 feet (3m) of a pool, spa or fountain. If the landscape wire is too long, cut it with a cable cutter.

The landscape wire should be protected by routing it close to proximity of the light fixture or next to a building, deck or fence. Use cable suitable for low voltage landscape lighting.

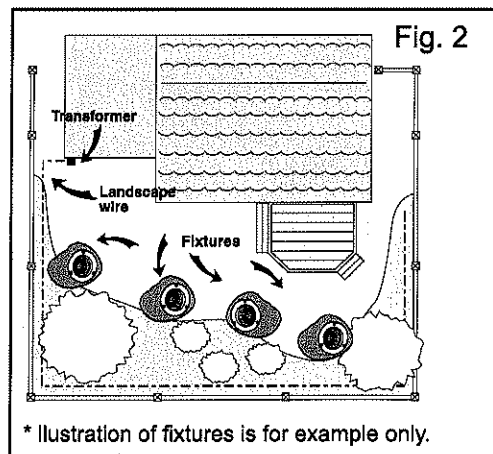
Choosing Lighting Fixture Location

For uniform brightness and longer bulb life, attach first fixture at least 10 feet from transformer.

See chart below for recommended cable gauges.

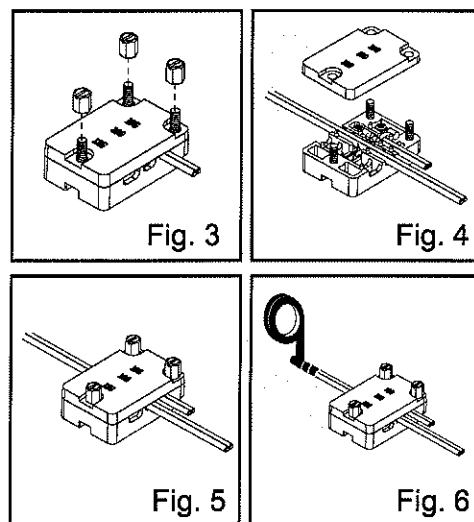
**Suitable cable should be sized in accordance to the table, should be Type SPT-2W. If you cannot find this cable at your local hardware or home improvement store then please call customer service at 1-888-867-6095 or e-mail at customerservice@niinorthern.com to order the cable needed.*

Combined wattage of all fixtures on line (in Watts)	Wire Gage (0-75')	Wire Gage (75'-150')	Wire Gage (150'-250')
0-60	16	16	12
60-120	16	12	12
120-180	12	12	12
180-240	12	12	Not recommended
240-300	12	Not recommended	Not recommended



Connect the fixture to the landscape wire

1. Unscrew and remove the lid of the connector box attached to each fixture wire. (Fig. 3)
2. Remove the rubber plug from the channel marked 16G or 12G and press the landscape wire into the proper slot. (Fig. 4)
3. Replace the lid on the connector box and close it tightly using the three (3) thumbscrews. If extra force is required to make sure the top and bottom of the box fit tightly together, use a slot screw driver. Turn on the power unit. If the light fixture does not turn on, repeat operations 2 and 3. (Fig. 5)
4. **For the last fixture only:** cut the landscape wire with a cable cutter and wrap the end with electrical tape. (Fig. 6)



CARE AND MAINTENANCE

- To clean, wash with a damp soft cloth.
- To replace the bulb, reverse the procedure in the "Assembly instructions". (p.4)

TROUBLESHOOTING

Problem	Possible Cause	Corrective Action
All of the lights fail to work	<ol style="list-style-type: none">1. Power to the electrical outlet is OFF.2. The connection of the landscape wire to the terminal may be loose.3. The power supply (transformer) may be OFF.	<ol style="list-style-type: none">1. Check that the power is on.2. Check if there is a loose connection at the transformer screw terminal.3. Turn the power switch to the ON setting.
Only some lights work	<ol style="list-style-type: none">1. The problem here is with the fixture's connector box or light bulb.	<ol style="list-style-type: none">1. Check the connector box to make sure the wire stabs have pierced the landscape wire.2. To check a light bulb, exchange it with one from a fixture that is working (remember to be careful, as the bulbs can get very hot – also handle bulbs with a soft cloth only).

WARRANTY

ONE (1) YEAR LIMITED WARRANTY

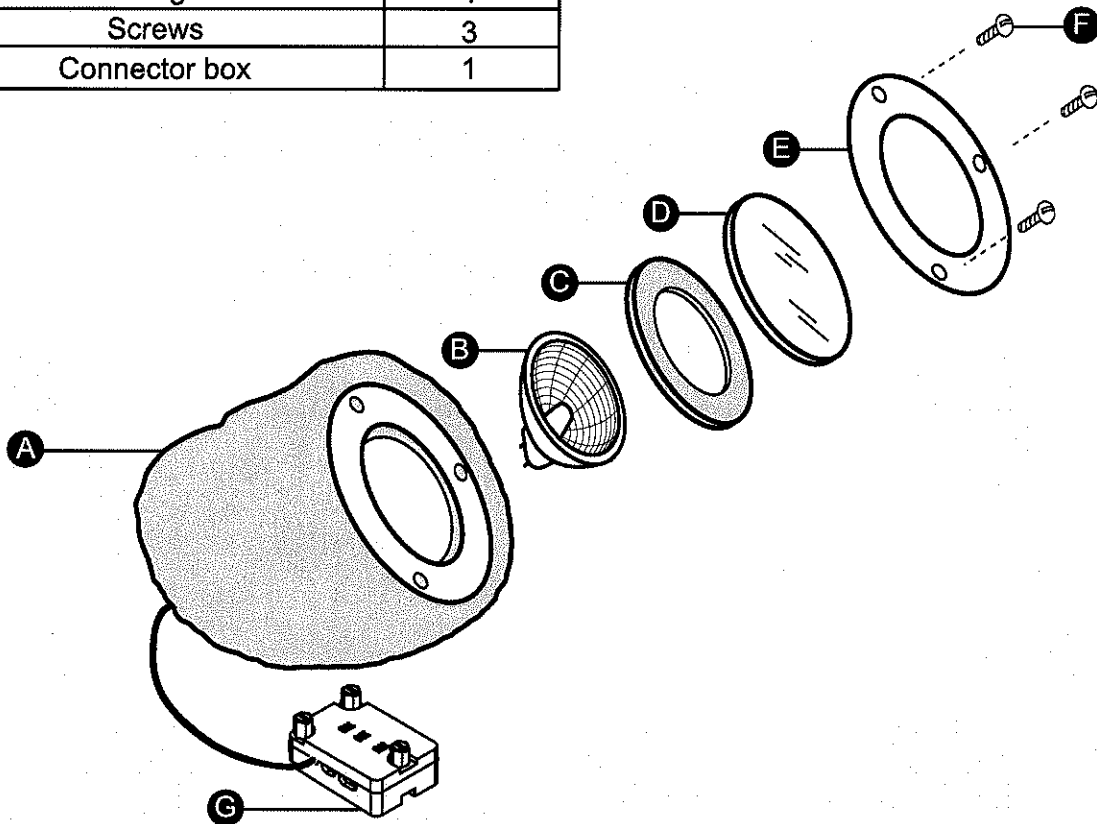
This product, excluding electronic and/or electrical parts (if applicable), is guaranteed to be free from defects in material and workmanship for one (1) year. Should a defect occur, please contact our customer service line at 1-800-643-0067. A proof of purchase (sales receipt) is required. If we cannot replace the defective part you require, you can return your product to the original point of purchase for a full refund or a replacement product. The consumer is responsible for the removal and reinstallation of the product. Damage to any parts as such by accident, misuse, or improper installation is NOT covered by this warranty. Our policy does not include liability for incidental or consequential damages. Some states or provinces do not allow the exclusion or limitation of consequential damages; therefore, the above exclusion may not apply to you. This warranty gives you specific legal rights and you may also have other rights that vary from place to place. Northern International Inc. P.O. Box 82327 Burnaby, B.C. Canada V5C 5P8

REPLACEMENT PARTS LIST

For replacement parts, call our customer service department at 1-800-643-0067, 8am - 6pm EST Monday-Thursday; 8am - 5pm EST Friday.

PACKAGE CONTENTS

Part	Description	Quantity
A	Rock	1
B	20W Halogen MR16 Bulb	1
C	Gasket	1
D	Lens	1
E	Ring	1
F	Screws	3
G	Connector box	1



Printed in China