

Contour

Light Guide Forming Instructions



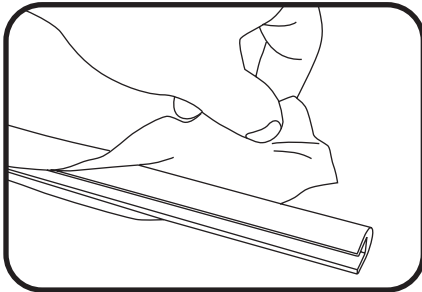
GEXNLG15, GERDXNLG15, GEPOXNLG15, GEYAXNLG15, GELGXNLG15, GEGLXNLG15, GEBLXNLG15



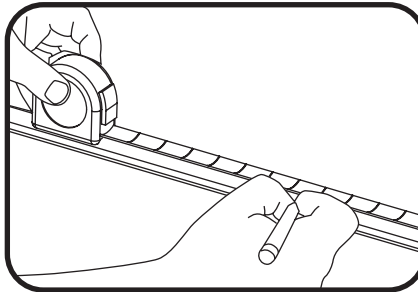
WARNING/AVERTISSEMENT

The light guide is made to use together with the light engine. Please ensure you read the installation guide and warnings of light engine before installing. / Le guide est conçu pour une utilisation de pair avec un module DEL Contour. S'assurer de lire les instructions d'installation et les avertissements avant de procéder à l'installation.

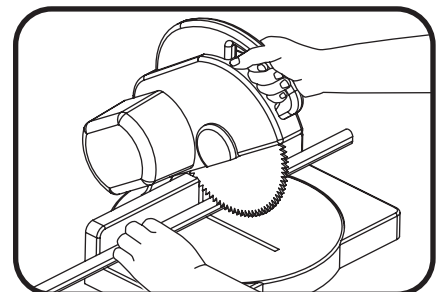
Preparation



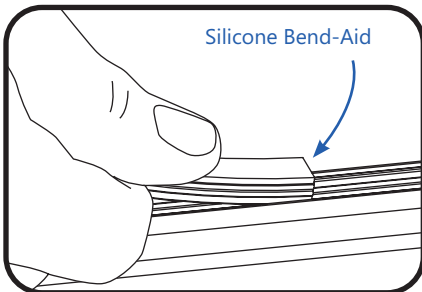
- ① Remove the protective film from the light guide.



- ② Mark the light guide at the required length, adding 0.5 in. (13mm) for every 16 in. (406mm) to account for shrinkage during the forming process.



- ③ Cut the light guide to the required length using a hacksaw, chop saw (cross cut or veneer blade only), band saw, or other appropriate plastic cutting tool.



- ④ Fill the entire light guide channel with the GEXNBA Silicone Bend-Aid(s) and press into place. Bend-Aid must be installed prior to heating and forming. The GEXNBA Silicone Bend-Aid is reusable.



WARNING/AVERTISSEMENT

DO NOT heat and form the light guide with the light engine installed.
NE PAS chauffer le guide alors qu'il contient le module DEL Contour.

Heating and Forming

For large bends, use either an industrial oven or heating blanket. For small bends, use a heat gun.

Bend Type	Minimum Inside Bend Radius (r)
Planar	0.75 in. (19mm)
Inside Corner	1 in. (25mm)
Outside Corner	1½ in. (38mm)

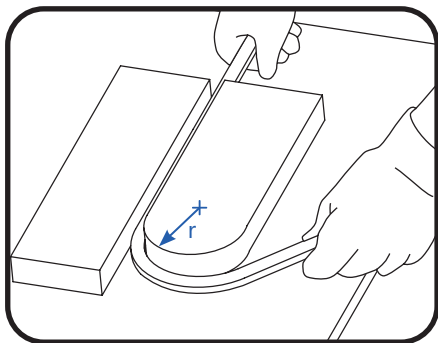
⚠ CAUTION / ATTENTION

Avoid direct contact between hot materials and exposed skin or combustibles. Use heat resistant gloves while heating and/or handling any hot materials. / Éviter tout contact direct des parties chauffées avec la peau ou d'autres matières combustibles. Utiliser des gants de protection thermique lors du chauffage ou de toute manipulation des pièces chauffées.

⚠ CAUTION / ATTENTION

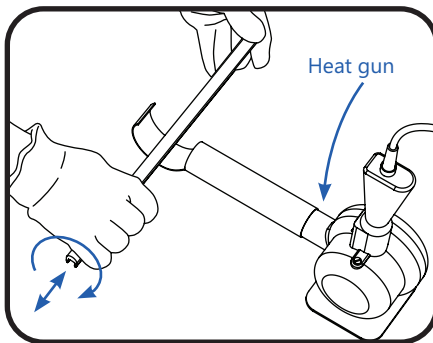
DO NOT use an open flame to heat the light guide. / Ne pas utiliser une flamme nue pour chauffer le guide.

Option A: Large Bends

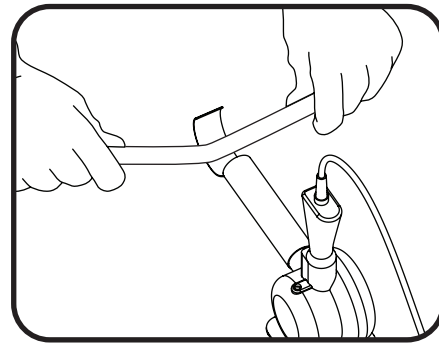


Preheat the heating equipment to 300°F (149°C). Heat light guides approximately 6-15 minutes until soft and pliable. Bend the light guide over a printed pattern, routed template, or use free-forming. A clean flat insulated surface (wood or laminated countertop) will help to prevent twisting or bowing. See the chart above for minimum bend radius guidelines.

Option B: Small Bends



Part 1: Move the section back and forth while rotating about the diameter until it is soft and pliable. Gently bend to the desired angle. It is recommended to use a heat-deflecting shield to distribute the heat evenly. Avoid localized overheating that may result in distortion or damage (i.e. bubbling) of the light guide.



Part 2: The workable forming time is about 2–3 minutes. The light guide must remain in the desired position until completely cooled. See the chart above for minimum bend radius guidelines.

Allow the light guide to cool by natural convection or lightly forced cool air (i.e. fan). Remove the Bend-Aids for reuse. In order to remove any minor surface flaws, perform a light sanding using 400 grit sandpaper. Flared or deformed ends can be trimmed. The light guide is now ready for light engine installation.

NOTE: DO NOT remove the Bend-Aids until the light guide has completely cooled.

NOTE: DO NOT subject heated light guide to freezing or quenching in water.