POINT LIGHTING CORPORATION

POINT OBSTRUCTION LIGHTS
ACCESSORIES
HEAT SHIELDS

PL40139 Heat Shield

When exposure of lighting equipment to the detrimental effects of the high heat is unavoidable, it is recommended that heat shields be deployed. It is not possible to warrant against damage from the unpredictable severe conditions present at the top of a flare stack or other hot process structure. At the request of our customers, we have developed a heat shield product PL40139 to extend the life of the lighting components. The PL40139 Heat Shield may be installed suspended in the air space between the hot metal surface and the lighting fixture. Note! Point Lighting makes no claims regarding the appropriateness of this product for use in a specific application. We present the technical data about the product and the customer bears full responsibility for its selection, mounting position and use. There is **no warranty** given or implied for this product.

The heat shield is fabricated of a rigid alumina fiber matrix that remains stable for continuous use at temperatures up to 3128-deg F (1720-deg C). The material is not affected by oil or water and it is resistant to chemicals. Do not use in the presence of hydrofluoric acid, phosphoric acid & very strong alkalis. The heat shield is 24-inches wide by 36-inches high and may be mounted in any position. The unit is supplied complete with a carbon steel mounting frame for welding to the structure at both the top and bottom of the heat shield. The PL40139 Heat Shield limits transmission of heat in accordance with these tested temperatures:

Structure Face*	Lighting Face*
800 F	252 F
1200 F	343 F
1600 F	429 F

* These temperatures are surface measurements on opposite faces of the heat shield. It is expected that the air spaces between the metal surface and the shield and between the shield and the light fixture will further limit the heat transmission.

PL40139
HEAT SHIELD
SIDE VIEW ASSEMBLY DETAIL
SHOWING CERAMIC THERMAL BARRIER
BETWEEN STEEL SHEETS

90% OF THE COST
OF THIS PRODUCT IS
IN THE ADVANCED TECHNOLOGY
CERAMIC INSULATING MATERIAL