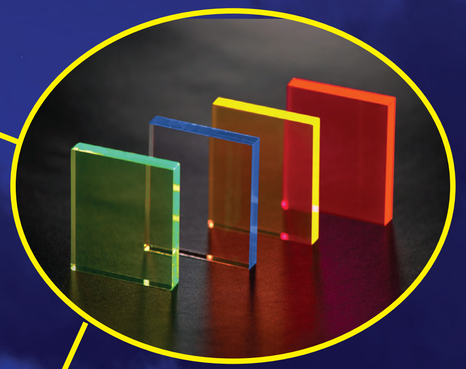
7.7 MWh annually
= 1 home



LUMINESCENT SOLAR CONCENTRATORS
Image courtesy of © Fraunhofer ISE. www.ise.fraunhofer.de

LUMINESCENT SOLAR CONCENTRATORS (LSC)

CONVERSION EFFICIENCY = 7%

The pergola structure with bench swings allows visitors a place to relax under filtered shade during the day. Piezoelectric mechanisms installed in the structure enable kinetic energy from the motion of the swings to be stored in conjunction with the solar energy from the luminescent solar concentrator panels that the roof is made of. At night, the structure lights up casting a playful glow on the park.

2,876 MWh annually
= 287 homes

PAVEGEN SYSTEMS PAVER IN A LONDON SIDEWALK
Image courtesy of Pavegen Systems Ltd. www.pavegen.com

KINETIC ENERGY HARVESTING via PIEZOELECTRIC TECHNOLOGY

<< PROMENADE PAVERS - 5 WATTS CONTINUOUS POWER FROM FOOTSTEPS

Piezoelectric pavers line the entire promenade taking advantage of high foot traffic from visitors of the site.

STEPPING TILES - 10 WATTS PER STEP >>

Piezoelectric stepping tiles actross the lawn area create an engaging activity for adults and children alike. Energy is harnessed and transferred into the grid that helps power the lights on-site. The stepping tiles are lighted, and when stepped upon, the light shines brighter.

PAVEGEN SYSTEMS PAVER IN A LONDON SIDEWALK
Image courtesy of Pavegen Systems Ltd. www.pavegen.com

1,186 MWh annually
= 118 homes