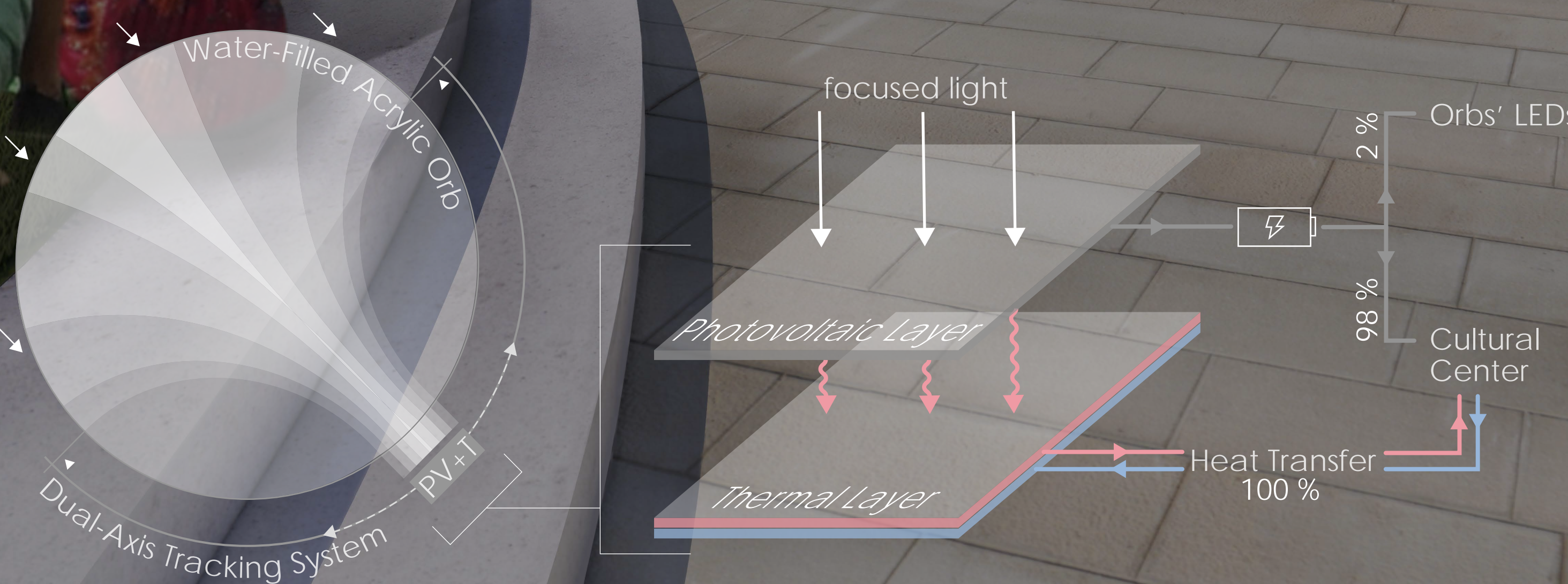




Direct and diffuse light enter the orbs and is focused onto the attached photovoltaic thermal (PV+T) solar panel that follows the path of the light by utilizing a dual axis tracking system.

The photovoltaic (PV) layer converts focused light into electricity. The thermal (T) layer absorbs heat to maintain the efficiency of the PV layer.

Thermal and electrical energy are sent to the Cultural Center to offset utility costs while a portion of the electrical energy is used to illuminate the orbs' LED lighting.



| UNITS | | x | ENERGY | | = | OUTPUT | |
|-------|---------------|---|-----------------|---|-----------------|--------------------|--|
| 1.8 m | 94 small orbs | x | 3.4 kWh / day | = | 319.6 kWh / day | 116,654.0 kWh / yr | |
| 16 m | 1 large orb | x | 265.4 kWh / day | = | 265.4 kWh / day | 96,871.0 kWh / yr | |
| TOTAL | | | | | 585.0 kWh / day | 213,525.0 kWh / yr | |

*O U T P U T sent to Cultural Center and orb lighting