

```

model HeliostatField
  extends Icons.Heliostat;
  parameter Integer n = 150 "number of heliostats";
  parameter Types.Length L = 5;
  parameter Types.Length H = 5;
  parameter Types.Area A_ref = L * H;
  parameter Types.Fraction eta_op = 0.6;
  Types.HeatFlux DNI;
  Types.Heat Q_rec;
  Interfaces.Heat Irradiance annotation(
    Placement(visible = true, transformation(origin = {-96, 14},
  extent = {{-10, -10}, {10, 10}}, rotation = 0),
  iconTransformation(origin = {100, 0}, extent = {{-10, -10}, {10,
  10}}, rotation = 0)));
  Interfaces.Heat Insolation annotation(
    Placement(visible = true, transformation(origin = {0, 98},
  extent = {{-10, -10}, {10, 10}}, rotation = 0),
  iconTransformation(origin = {0, 100}, extent = {{-10, -10}, {10,
  10}}, rotation = 0)));
  equation
    Insolation.Q = DNI;
    Q_rec = n * A_ref * DNI * eta_op;
    Q_rec = Irradiance.Q;
end HeliostatField;

```