

NY Home Performance with ENERGY STAR® Lighting Guidelines

The following guidelines will assist contractors with the creation of reasonable lighting retrofit packages, and modeling of the associated savings.

CFL & LED INSTALLATION GUIDELINES

- As it is expected that the average hourly usage of CFLs & LEDs diminishes as additional CFLs and LEDs are installed. When developing energy simulation models the daily hours of operation input for CFLs and LEDs must be in accordance with the table below:

Hours of CFL and LED Usage Based on Number of CFLs and/or LEDs Installed	
Number of Installed	Daily Hours of Operation
1 - 5	3.2
6 - 10	2.4
11 - 15	2.0
16 - 20	1.7
21+	Provide lighting schedule

- Existing light bulbs must be 60 watts or greater to be eligible for replacement.
- CFLs and LEDs must be ENERGY STAR qualified and must replace an incandescent bulb.
- CFLs and LEDs must be installed in high use areas. The installation of CFLs and LEDs in low use areas such as closets, unfinished basements, attics, garages or utility rooms is not permitted.
- If installed outdoors CFLs and LEDs must be rated for operation in year round exterior temperature conditions.
- CFLs and LEDs must not be installed in a light fixture operated by a dimmer unless designed to do so.
- Contractor must physically replace the existing lighting with CFLs and LEDs during the course of completing the HPwES project. It is not permissible for the contractor to provide the customer with CFLs and LEDs for the customer to install.
- To ensure adequate lighting, contractors must, whenever possible, replace incandescent bulbs with CFLs and LEDs as indicated in the table below:

Pre-existing Incandescent	Light Output	Replacement CFL Max	Replacement LED Max
60 watts	750-1049 lumens	18 watts	8 watts
75 watts	1050-1489 lumens	22 watts	13 watts
100 watts	1490-2600 lumens	30 watts	20 watts
150 watts	2601-2800 lumens	55 watts	28 watts

- In instances where a project includes more than 20 CFLs and/or LEDs, contractors must submit a CFL/LED installation schedule detailing the pre and post bulb wattage, location, and burn time. Projects where more than 20 CFLs and/or LEDs are specified may be considered eligible, but will be reviewed and considered on a case by case basis. If a detailed schedule (e.g. pre/post wattage, location, burn time) has been modeled in the program software, a separate lighting schedule is not required.