

Ex. 1004

CLAIMS

What is claimed is:

1. A luminaire and accessory kit in combination, the combination comprising:

a luminaire, comprising:

a heat spreader; a heat sink disposed in thermal communication with the heat spreader; a light source comprising a plurality of light emitting diodes (LEDs) disposed in thermal communication with the heat spreader; a power supply electrically connected to the light source; an electrical supply line having a first end connected to the power supply, and a second end connected to a plug-in connector; and, an optic securely retained relative to at least one of the heat spreader and the heat sink; and

an accessory kit, comprising:

at least one of: a first pre-wired jumper comprising a pair of insulated electrical wires having a first plug-in connector electrically connected at one end and an Edison base electrically connected at the other end; and, a second pre-wired jumper comprising a pair of insulated electrical wires having a second plug-in connector electrically connected at one end and unconnected wire ends at the other end;

wherein the plug-in connector of the first pre-wired jumper and the second pre-wired jumper are each configured to electrically engage with the plug-in connector of the electrical supply line.

2. The combination of Claim 1, wherein the accessory kit includes both the first pre-wired jumper and the second pre-wired jumper.

3. The combination of Claim 1, wherein the heat sink is substantially ring-shaped, and is disposed around and coupled to an outer periphery of the heat spreader.

4. The combination of Claim 1, wherein the heat spreader, the heat sink and the optic, in combination, have an overall height H and an overall outside dimension D such that the ratio of H/D is equal to or less than 0.25.

5. The combination of Claim 1, wherein the heat spreader, the heat sink and the optic, in combination, are so dimensioned as to cover: an opening defined by a nominally sized four-inch can light fixture; and, an opening defined by a nominally sized four-inch electrical junction box.

6. The combination of Claim 1, wherein the LEDs are disposed on the heat spreader, the heat spreader being configured to dissipate heat from the LEDs.

7. The combination of Claim 1, wherein the accessory kit further comprises a set of springs, each spring having a first portion configured to securely engage with the luminaire, and a second portion configured to deflect and slidably engage with an interior surface of a can-type light fixture.

8. The combination of Claim 7, wherein each spring of the set of springs is formed from flat stock spring steel.

9. The combination of Claim 1, wherein the heat spreader and the heat sink in combination define a base, wherein the optic is securely retained by the base via a snap-fit engagement between the optic and the base.

10. The combination of Claim 1, wherein the heat spreader and the heat sink in combination define a base, wherein the base comprises engagement openings, wherein the optic comprises engagement tabs, wherein the optic is securely retained by the base by inserting respective ones of the engagement tabs into respective ones of the engagement openings and rotating the optic relative to a cylindrical axis of the base such that a portion of each engagement tab is securely retained by respective portions of the base.