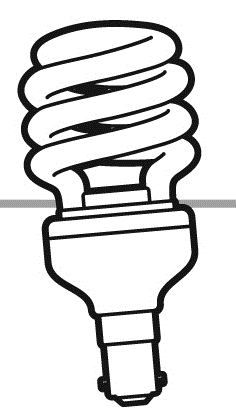
2010 Residential Lighting Report

APPENDIX 4



April 2013

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Methodology - Field Survey Manuals

Lighting Field Guide – Lamp Fittings

Only consider fittings that are mains powered.

| Fitting | Pictures | Notes |
| --- | --- | --- |
| Batton Holder | Batton Holder (GLS)2-cropped | A bare fitting, normally fixed directly to the ceiling |
| Batton Holder with Shade | Batton Holder (GLS)-croppedE3 LIGHTS003-small | A bare fitting, normally fixed directly to the ceiling, with a surrounding shade |
| Linear Fluorescent | Surface mounted Linear-cropped  E3 LIGHTS006-cropped | Linear fluorescent, can be suspended, surface mounted or flush mounted. May or may not have a diffuser (cover) |
| Oyster | Oyster-croppedOyster2-small | Batton Holder with cover (of any material), ceiling mounted only |
| Suspended | Pendant-croppedPendant2-croppedPendant3-cropped | Any type of hanging fitting, may have more than one lamp, may be covered (with any material) or uncovered) |
| Downlight/Flush Mounted | Downlight-croppedDownlight2-cropped | Recessed and flush with ceiling |
| Indoor Spotlight | Wallight2-cropped | Not flush mounted, may have a gimble fitting (allowing tilting of the lamp) |
| Uplight | No picture example – these fittings will be uncommon in houses | Directional fitting, which directs light upwards. Wall mounted |
| Wall Light | Walllight-croppedWall light-cropped | Wall mounted only |
| Fixed Floor Light | No picture example – these fittings will be very rare in houses | Fixed in the floor |
| Desk Lamp | Desklamp-croppedDesklamp2-cropped | Plug in, multi task lamp |
| Table Lamp | Table lamp-smallTable lamp2-cropped | Plug in, decorative rather than task orientated |
| Floor/Standard Lamp | Floor-standard2-croppedFloor-standardlamp-cropped | Plug in, can be decorative or task orientated. Generally lamp is set some distance from base |
| Combination Heat/Light Unit | Heatlamp-croppedHeatlamp2-cropped | Normally found in bathrooms, may comprise of two or more heating lamps usually also with lighting lamp |
| Nightlight | Nightlight-cropped | Plug in, may be coloured, provides ambience rather than useful light |
| Rangehood | No picture example – this fitting is found in any Rangehood appliance | Normally found in kitchens, may comprise of one or more lights |
| Floodlight/External Spotlight | Flood-spot light-croppedFlood-spot light2-cropped | Normally outside lighting, may be directional, usually high wattage |
| Garden Light | E3 LIGHTS010-small | Outside lighting, decorative rather than task orientated |
| Novelty Light (Ignore for lamp technology audit purposes) | No picture example – these fittings are generally plug in and not permanent | Decorative rather than task orientated, example include Fibreoptic lights, Lava lamps, Christmas lights, Fairy lights |
| Pool Lights | No picture example – normally found only in in-ground pools | Lamps mounted in a pool, under the surface of the water |
| Other | Other-cropped | Give explanation |

Lighting Field Guide – Lamp Technology

What is the technology of the LIGHT SOURCE at the centre of the lamp?

Ignore the shape of the lamp’s outer envelope.

| Technology | Pictures | Notes |
| --- | --- | --- |
| Incandescent - mains voltage | **no halogen**  **capsule** | No halogen capsule – large filament.  Ignore the outer envelope in the picture, as this can be many shapes.  If frosted envelope such that burner cannot be seen, assume incandescent – mains voltage. |
| Halogen - mains voltage | Long halogen lamp  **halogen**  **capsule** | Look for small halogen capsule at centre of lamp.  Ignore the outer envelope in the LHS picture, as this can be many shapes including candle, reflector, etc.  RHS picture is double-ended halogen (flood lights). |
| Halogen - low voltage | halogen reflector and bulbhalogen%20capsule%20LV | Look for small halogen capsule at centre of lamp.  Lamp marked as “12V” or connected to transformer |
| Compact fluorescent - integral ballast | Fluorescent lampFluorescent lamp  Frosted white light bulbFrosted white light bulb  Reflector lightLight disc | Look for fluorescent tube |
| Compact fluorescent - separate ballast | Long fluorescent lamp'N' shaped bulb with transformer | Note pin cap |
| Linear fluorescent | Long fluorescent lamp |  |
| Circular fluorescent | band shaped bulb |  |
| LED | LED Lampreflectorlight | Typically have a cluster of diodes |
| Heat Lamp | White light with reflector | Typically very large |

3. Lighting Field Guide – Lamp Shape

What is the SHAPE of the lamp’s outer envelope?

| Shape | Pictures | Notes |
| --- | --- | --- |
| A-shape | Light BulbLight Bulb  T-shaped bo cap Light Bulb White frosted. Light Bulb | Pear, tubular and mushroom shaped |
| Fancy round | Light Bulb  sphericalLight Bulb Spherical Frosted | Spherical shape, can be small or large |
| Candle | Candle shaped bulb - frostedCandle shaped bulb with swirls |  |
| Reflector - R | Reflector bulb  Reflector bulbReflector bulb | Includes MR (multi-facetted) reflector lamps |
| Reflector - PAR | Reflector bulb | Large diameter, thick quartz lens |
| Pilot | Small stubby light bulb . Left bayonet bulb. Right screw on bulb. | Small size |
| Double ended | Long tube lamp |  |
| (Halogen - low voltage) reflector | Reflector BulbReflector bulb with metal strip placed in centre. |  |
| Capsule | Small halogen capsule |  |
| (Compact fluorescent) stick | Fluorescent bulb straight |  |
| (Compact fluorescent) spiral | Fluorescent bulb curled. |  |
| (Compact fluorescent) covered | White frosted bulbs. Standard, Candle and Spherical.Candle bulb frostedSpherical frosted light bulb |  |
| (Compact fluorescent) reflector | ReflectorSilver Reflector  Silver ReflectorLight disc | Directional light source |
| (LED) reflector | light reflectorreflected light | Directional light source |
| (LED) non-reflector | LED Lamp | Multi-directional light source |

### 3.1 Cap

| Cap | Pictures | Notes |
| --- | --- | --- |
| E14 | Screw on light bulb diagram measuring 14 width and 28 length. | Small screw |
| E27 | Screw on light bulb diagram measuring in width and length. | Large screw |
| B15 | Screw on light bulb diagram measuring 15 width and 25.5 length. | Small bayonet |
| B22 | Screw on light bulb diagram measuring 22 width and 25.5 length. | Large bayonet |
| GU10 | bulb diagram showing two pins on the base of a bulb photo of two pint bulb base | Note pins have enlarged heads |

4. Transformer

| Transformer | Pictures | Notes |
| --- | --- | --- |
| Halogen – low voltage – magnetic | halogen low voltage magnetic | Approx 200+ mm long |
| Halogen – low voltage - electronic | Yellow halogen transormer. | Smaller and lighter than magnetic |

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