

# Ceiling and Wall Lights

## Things to Know

There is a wide variety of styles to choose from and they have many individual attributes. Most ceiling Buttons are suitable for wall mounting, just ensure the glass retention is appropriate. Wall lights should not be ceiling mounted unless recommended in the catalogue, as they may exceed surface temperature limits.

### Ceiling Buttons

Variants are halogen for high brightness, incandescent for comfort and fluorescent for energy efficiency. Advantages over downlights are that they light the ceiling and have a higher utilisation factor (efficiency). All provide general ambient light at a uniform level, the choice being low wattage, high wattage, single or multi lamp ceiling lights. All are quite low profile and suitable for low ceilings, some are open style, others have enclosed diffusers to reduce maintenance.

### Ceiling Temperature

AS/NZS60598 requires all products to comply with temperature limits when tested in an ambient temperature of 25°C. If luminaires (particularly enclosed luminaires) are used in higher temperatures, a lamp should be chosen of lower wattage than the maximum stated. Take extra care when selecting lamps for fittings above a fireplace and in heated institutional residences which have high lighting use.

### Wall Lights

These are normally mounted at 1.8M. To avoid direct glare at split levels or staircases use enclosed fixtures, other areas benefit from open top fittings, which provide indirect general lighting through reflection from off the wall and ceiling.

### Bathroom Lights

Bathrooms need to be well lit, Ceiling fixtures alone are not enough, otherwise when standing in front of a mirror unflattering shadows are created on the face.

When looking in a mirror you need light to shine on your face at all angles. This is important for men's shaving and ladies make up. A uniform lighting effect with a warm colour (~3,000K) is best for skin tones.

The choice of mirror lighting is often influenced by the preferred style of fixture.

- Traditional Hollywood multi-lamp lights.
- Incandescent Strip Lights.
- Modern single or multiple lamp wall light with a Frosted or Opal Glass.

Position lighting at both sides of the mirror, however depending on the width and height of the mirror, over-mirror lighting can work. If the installation of wall lights is not possible, use a pair of small spot lights positioned on the ceiling slightly behind your standing position.

### Electrical Safety in Damp Areas

It is essential to employ a Registered Electrician as they are up to date with the latest wiring regulations and Codes of Practice for installations in damp areas.

