

General Replacement of Lamps (Internal)

The following example is designed to give guidance only and does not constitute an accurate risk assessment for any activity.

Physical Hazards:

- Electricity
- Work at height
- Hot lamps
- Broken Glass
- Sharp edges on diffusers
- Environmental risk

Chemical Hazards

- Substances contained within lamps
(Fluorescent material, Sodium, Mercury)

Biological Hazards

- No significant hazards identified

Psychological Hazards

- No significant hazards identified

Who will be affected?

This again will very much depend on the activity being undertaken. It may well be that there is only the employee affected, employee and client or employee/s and others (related helpers etc)

Risk levels

The risk levels would be decided by the assessor based on all information that they have: i.e. if the light was sited over a stairwell and contained an emergency lighting supply then the risk level would obviously be high.

Whereas a low level wall mounted light with local isolation would be low.

Risks would include:

Physical

- Electricity - electrocution or burns from contact with live conductors (Med)
- Work at height - falls from height (Med)
- Hot lamps - burns from contact with hot lamps (High)
- Broken Glass - cuts from contact with sharp edges of glass (Med)
- Sharp edges on diffusers - cuts from contact with sharp edges of diffusers (Med)
- Environmental risk - risks to others/environment via inappropriate disposal (Med)

Chemical

- Substances contained within lamps - Indirect (accidental) contact with substance through lamp breaking (Med)

Biological

- None identified

Psychological

- None Identified

Controls

- Electricity - identification and isolation of live circuits (including emergency lighting circuits)
- Work at height - appropriate selection, inspection and use of access equipment
- Hot lamps - identification of potentially hot lamps with allowance for cooling. PPE in form of suitable gloves
- Broken Glass - Isolation of effected area to exclude others, follow clear up procedure, appropriate PPE (Hands, Eyes)
- Sharp edges on diffusers - use of appropriate PPE (gloves to protect hands from sharp edges.
- Environmental risk - ensure manufacturers instructions/procedures are followed in regard of disposal
- Substances contained within lamps (Fluorescent material, Sodium, Mercury) - ensure employees are aware of any risk from substances contained within lamps and have knowledge of any emergency procedures (as per manufacturers instructions)

Example Assessment

The example assessment below is intended as guidance and does not reflect any activity carried out. In general it will require a degree of knowledge of any specific activity and existing service procedures before an accurate assessment can be undertaken.

Department	Any	Location	Any
Process/Activity	General replacement of lamps (internal)	Date	01 October 2010
Describe Activity	Replacing lamps in roof and wall mounted fittings		

Hazard	Person/s Affected	Risk	Risk Level Before Controls are in Place			Control Measure	Risk Level After Controls are in Place		
			Low	Med	High		Low	Med	High
Electricity	Employee	Electrocution or burns from contact with live conductors		X		Identification and isolation of live circuits (including emergency lighting circuits)	X		
Work at Height	Employee	Falls from height		X		Appropriate selection, inspection and use of access equipment. Maintain 3 points of contact	X		
Hot Lamps	Employee	Burns from contact with hot lamps		X		Identification of potentially hot lamps with allowance for cooling. PPE in form of suitable gloves	X		
Broken Glass	Employee/Anyone in contact	Cuts from contact with sharp edges of glass		X		Isolation of effected area to exclude others, follow clear up procedure, appropriate PPE (Hands, Eyes)	X		
Sharp Edges on Diffusers	Employee	Cuts from contact with sharp edges of diffusers		X		Use of appropriate PPE (gloves to protect hands from sharp edges)	X		
Environmental Risk	Employee/Anyone in contact	Risks to others/environment via inappropriate disposal		X		Ensure manufacturers instructions/procedures are followed in regard of disposal	X		
Substances Contained Within Lamps	Employee/Anyone in contact	Indirect (accidental) contact with substance through lamp breaking		X		Ensure employees are aware of any risk from substances contained within lamps and have knowledge of any emergency procedures (as per manufacturers instructions)	X		