Lighting Levels Guide

How Much Light Do I Need?

Our simple guide to help you determine what size Redilight Skyfixture you need to light a room.

Method

Step 1 - Determine the lux level required by referring to the table below.

Step 2 - Determine the approximate area of the room in square metres.

Step 3 - Calculate the lumens (Lm) required using this formula:

Lumens required = (desired lux level) x (area in squared metres)

Step 4 - Divide the total lumens required by the lumen rating of the Skyfixture to determine the number of lights required.

Australian Standard Lux Levels

Lux	Suitable Area
40	• Corridors • Passageways
80	• Warehouse tasks • Stairs
160	• Entrance halls • Foyers • Waiting Rooms • Canteens • Machine shop general work bench
240	• Counter tops • Kitchen
320	• Office
400	• Machine shop high tolerance work bench
600	• Electronic assembly work • Jewellery and watch repair

Source: AS1680.2.4:1997 - Table E1

6 Watt Skyfixtures - 600~700 Lm

12 Watt Skyfixture - 1100~1200 Lm

24 Watt Skyfixtures - 2500~2800 Lm

1200 x 300

600 x 600

48 Watt Skyfixtures - 3500~3800 Lm

Definitions

Lumens is a measure of light leaving a light source. The higher the lumen rating the “brighter” the lamp will appear.

Lux refers to light that hits a surface. One lux is equal to one lumen per square metre and is measured using a lux meter.