

# Cooledge light fixture estimation guide

Determine how many light fixtures you need to illuminate your space in 3 steps.

1. Determine your **room square footage**.
2. Use the table below to determine the **recommended illumination level** for your space.

Typical Applications	Recommended illumination levels*	Approx. area coverage per FABRICore light fixture
<ul style="list-style-type: none"><li>• General office space lighting</li><li>• Lobbies</li><li>• Conference rooms</li><li>• Low illumination retail sales area</li></ul>	30	200 sq. ft.
<ul style="list-style-type: none"><li>• Mid-level office lighting</li><li>• Exercise rooms</li></ul>	40	140 sq. ft.
<ul style="list-style-type: none"><li>• Bright office lighting</li><li>• General classroom settings</li><li>• Retail sales area</li><li>• Exhibit areas</li></ul>	50	110 sq. ft.
<ul style="list-style-type: none"><li>• Laboratories</li><li>• Showcase public spaces and lobbies</li><li>• Food preparation</li></ul>	70	80 sq. ft.
<ul style="list-style-type: none"><li>• Bright retail</li><li>• Vehicle handover</li></ul>	100	55 sq. ft.
<ul style="list-style-type: none"><li>• High precision work areas</li></ul>	150	35 sq. ft.

\*Illumination levels are measured in footcandles

3. Divide your **room square footage** by the **approximate area coverage**. The total equals the **number of light fixtures** required for your space.

## Example: 60' x 30' Exercise room

- Room square footage: **1800 sq.ft.**
- Recommended illumination level: **40**

**1800 sq. ft./140 sq. ft.**  
**= 13 FABRICore light fixtures**