Office lighting insights

When you arrive at the office, you know what you’ll be working on and who you’ll be working with. And you want to be at your best.

In an office workspace, lighting can help people to concentrate, communicate and cooperate. The right light will create a healthy, comfortable and inspiring environment. Philips office lighting solutions meet all European norms for this application, and can reduce energy costs by up to 65% when combined with smart controls.

Your Office application bundle:
CoreLine Recessed LED34S & Presence detector LRM1011

Traditional
Conventional 4x18W TLD (18x)

Savings over life *
€5848,-

Application bundle
CoreLine Recessed LED34S VAR-PC (18x) incl. detector

€8532,-

€2684,-

65%

Up to 65% energy savings

More info:
www.philips.com/coreline

* Based on the European average of 12 cent/kW hours (including maintenance and lamp replacement cost) and the lighting design for this application bundle.
Bundle benefits

CoreLine Recessed LED34S VAR–PC

- Replacing conventional TL-D & TL-5
- Energy saving
- UGR < 19

Presence detector LRM1011

- Automatic switches off light when not required
- Small, unobtrusive sensor

Detection coverage diagram

- Detecting range at 2 – 5 m height Ø 6 – 11 m
- Recommended mounting height 2 m – 5 m
- Switch off delay 10 sec. – 30 min. in 6 steps
- Number of luminaires on one control ≤ 15

Ordering (EOC) code 26656300 3000 K
26648800 4000 K

Bundle specifications

CoreLine Recessed LED34S VAR–PC

<table>
<thead>
<tr>
<th>Type</th>
<th>RC120B LED34S/830 PSD W60L60 VAR–PC</th>
<th>RC120B LED34S/840 PSD W60L60 VAR–PC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power</td>
<td>35,5 W</td>
<td>Luminous Flux</td>
</tr>
<tr>
<td>Color temperature</td>
<td>3000 K, 4000 K</td>
<td>Color Render Index</td>
</tr>
<tr>
<td>Lifetime</td>
<td>50,000 hours</td>
<td>Number of luminaires on MCB 16A type B</td>
</tr>
<tr>
<td>Ordering (EOC) code</td>
<td>26656300 3000 K</td>
<td>26648800 4000 K</td>
</tr>
</tbody>
</table>

Presence detector LRM1011

- Detecting range at 2 – 5 m height Ø 6 – 11 m
- Recommended mounting height 2 m – 5 m
- Switch off delay 10 sec. – 30 min. in 6 steps
- Number of luminaires on one control ≤ 15

Ordering (EOC) code 44209800

Display reflections

Minimize reflected glare on displays by using luminaires with proper office light distribution and a low glare ratio (UGR ≤ 19).

Controls

Controls are located above desks to create optimum effect for presence detection.

Brightness

Create bright walls and ceilings by using wide light beams. This will make the entire space look more spacious and pleasant.

Lighting design insights

Illuminance requirements

EN12464-1 requirement at desk ≥ 500 lux. Higher levels increase visibility.

Luminaire types

<table>
<thead>
<tr>
<th>Luminaire types</th>
<th># Lum.</th>
<th>Em [lux]</th>
<th>Sys. Power</th>
<th>Installed Power</th>
<th>W/m2</th>
<th>W/m2/100lux</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conventional 4xTLD 18 W</td>
<td>18</td>
<td>539</td>
<td>69.5 W</td>
<td>1251 W</td>
<td>13.2</td>
<td>2.4</td>
</tr>
<tr>
<td>CoreLine Recessed LED34S VAR–PC</td>
<td>18</td>
<td>515</td>
<td>35.5 W</td>
<td>639 W</td>
<td>6.7</td>
<td>1.2</td>
</tr>
</tbody>
</table>