Vigilant® LED Linear
10 year warranty

Certifications & Ratings
- CE
- EN 60598-1
- EN 60598-2-1
- EN 62471
- ENEC
- RCM
- IP66/67 to EN 60529
- IK10 to EN 50102

Dimensions in mm [inches]

Mechanical Information:
- Fixture weight: 1.2m (4') - 5.9 kg (13 lb)
  0.6m (2') - 4.5 kg (10 lb)
- Shipping weight: 1.2m (4') - 10 kg (18 lb)
  0.6m (2') - 6.8 kg (15 lb)
- Mounting: Factory-installed 316 stainless steel swivel bracket - LPXW4
- Cable entries: 4 x M25 (2 either end)

Variable Dimming:
- Variable dimming control: 0-10 VDC
- Dimming range: 10 VDC = 100% light output
  0 VDC = 5% light output

Electrical specifications:
- Operating voltage: 100-277 VAC, 50/60Hz
  120-250 VDC
- Total system power consumption: See table
- Operating temp: -40°C to +65°C (-40°F to +149°F)
- EMC: EN 55015, EN 61547, EN 61000-3-2
  Class C, EN 61000-3-3
- Transient protection: EN 61000-4-5
  6 kV line-to-line
  6 kV line-to-ground
- THD: < 20%
- Power Factor: > 0.9

Construction:
- Housing: Copper-free aluminum
- Finish: Superior dual coat finish
  - Sealed polyester topcoat
  - Chemical resistant epoxy primer
- Lens: Hard-coated polycarbonate

Photometric Information:
- CRI: 80 minimum
- CCT: 5000K (cool white)

All values typical unless otherwise stated (tolerance +/- 10%)

WARNING - INSTALLATION & SECONDARY RETENTION. Use of any Dialight products without proper installation (including secondary retention / netting) and periodic inspections could cause severe injury or death. Dialight recommends that all installations should use secondary retention / netting (appropriate to the installation environment) where applicable. It is the exclusive responsibility of the contractor, installer and/or end-user to: (a) determine the suitability of the product for its intended application; and, (b) ensure that the product is safely installed (with secondary retention / netting where appropriate) and in compliance with all applicable laws and regulations. To the extent permissible under applicable laws, Dialight disclaims all liability for personal injury and/or other damage resulting from any dislodgment or other dislocation of its products.
# Ordering Information

**Vigilant® LED Linear - 10 year warranty**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Length</th>
<th>Lumens</th>
<th>Wattage</th>
<th>lm/W</th>
<th>IP Rating</th>
<th>Voltage</th>
<th>Colour Temperature (CCT)</th>
<th>Lens</th>
<th>Beam Distribution</th>
</tr>
</thead>
<tbody>
<tr>
<td>LJE5MC25DANNGN</td>
<td>0.6m (2')</td>
<td>4,450</td>
<td>37</td>
<td>120</td>
<td>IP66/67</td>
<td>100-277 VAC / 120-250 VDC</td>
<td>5000K (cool white)</td>
<td>Diffused</td>
<td>Medium</td>
</tr>
<tr>
<td>LKE5MC27DANNGN</td>
<td>1.2m (4')</td>
<td>6,400</td>
<td>52</td>
<td>123</td>
<td>IP66/67</td>
<td>100-277 VAC / 120-250 VDC</td>
<td>5000K (cool white)</td>
<td>Diffused</td>
<td>Medium</td>
</tr>
</tbody>
</table>

All values typical unless otherwise stated (tolerance +/- 10%)
Beam Distribution

In Rush Currents

<table>
<thead>
<tr>
<th>Lumen Family</th>
<th>Wattage</th>
<th>In rush current @ input voltage</th>
<th>Time duration of in rush current @ input voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>120 VAC</td>
<td>230 VAC</td>
</tr>
<tr>
<td>9K+</td>
<td>71</td>
<td>8A</td>
<td>15A</td>
</tr>
<tr>
<td>7K+</td>
<td>52</td>
<td>8A</td>
<td>15A</td>
</tr>
<tr>
<td>4.5K+</td>
<td>37</td>
<td>8A</td>
<td>15A</td>
</tr>
<tr>
<td>2.5K+</td>
<td>24</td>
<td>8A</td>
<td>15A</td>
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Lumen Maintenance Factor

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<tr>
<th>Ambient (°C)</th>
<th>0</th>
<th>15000</th>
<th>30000</th>
<th>45000</th>
<th>60000</th>
<th>75000</th>
<th>90000</th>
<th>100000</th>
<th>150000</th>
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</thead>
<tbody>
<tr>
<td>25°</td>
<td>100</td>
<td>98</td>
<td>96</td>
<td>95</td>
<td>94</td>
<td>92</td>
<td>91</td>
<td>90</td>
<td>86</td>
</tr>
<tr>
<td>30°</td>
<td>100</td>
<td>97</td>
<td>96</td>
<td>95</td>
<td>93</td>
<td>92</td>
<td>91</td>
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<td>86</td>
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<td>85</td>
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<td>40°</td>
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<td>92</td>
<td>91</td>
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<td>91</td>
<td>90</td>
<td>88</td>
<td>87</td>
<td>86</td>
<td>82</td>
</tr>
</tbody>
</table>

Measured LED temperature for an ambient temperature range of 25°C to 65°C and calculated lumen maintenance using TM-21 calculator and LED LM80 data.

Thermal Roll-Off

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Dimming Characterization 0-10V

Input Power VS Dimming

Light output VS Dimming

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Mounting Accessories

**LTXSAFEKIT**
- Safety cable kit for secondary retention

**LPXW4**
- 316 Stainless steel mounting bracket
- Can be angled at 0°, 30°, 45°, 60° & 90°

**Mounting Bracket - LPXW4**

- Side Mount
- Top Mount

Dimensions in mm [inches]

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