**Product description**

The smallest, patent pending, fully featured optical LED lighting platform of its kind, offered in 4 optic beam spreads for luminaire designers and manufacturers to realize the most aesthetically pleasing lighting designs.

With our light laboratory and exceptional optical knowledge our optics hit the target every time with shaped and directed beams in fully monolithic light engines utilizing CSP technology and in ready to go solutions to maximize production efficiency.

**Dimensions**

| Width  | 0.72" (18.40mm) |
| Height | Asymmetric: 0.38" (9.60mm), Narrow: 0.35" (9.00mm), Oval Grazing: 0.32" (8.30mm), Oval Forward: 0.32" (8.30mm) |
| Run Length | 6.00", 12.00", 24.00" |
| LED Pitch | 0.86" (22.85mm) |

**Narrow - 15° x 15°**

**Oval Grazing - 45° x 20°**

**Oval Forward - 20° x 45°**

**Asymmetric**

**Electrical**

- **Input Voltage:** 24VDC
- **Power Consumption:** 4.8W/linear ft/304.8mm, 6.0W/linear ft/304.8mm, 9.0W/linear ft/304.8mm

**Performance**

- **CRI:** 80+
- **Color Temperature:** 2700K, 3000K, 3500K, 4000K
- **Efficacy:** >100
- **Lumen Output:** 480 Lm/ft at 4.8W, 600 Lm/ft at 6.0W, 900 Lm/ft at 9.0W

**Optics**

- Asymmetric,
- Narrow: 15° x 15°,
- Oval Grazing: 45° x 20°,
- Oval Forward: 20° x 45°

- **Lumen Maintenance:** 50,000 Hours at 25°C,
- **Operating Environment:** -20°C to 50°C, Indoor

**Certification**

- ETL recognized component, CE certified, RoHS

**Warranty**

- 5-year Limited warranty

**Part Number Configurator**

<table>
<thead>
<tr>
<th>Product family</th>
<th>CCT</th>
<th>CRI</th>
<th>Electrical scheme</th>
<th>Wattage</th>
<th>Length</th>
<th>Beam spread</th>
<th>Connector</th>
</tr>
</thead>
<tbody>
<tr>
<td>NOF Nano Optics™ Flex</td>
<td>27 - 2700K</td>
<td>80 - 80CRI</td>
<td>CV - Constant Voltage</td>
<td>4W - 4.8W/ft</td>
<td>05 - 5'</td>
<td>NA - Narrow</td>
<td>AX - AXV</td>
</tr>
<tr>
<td>30 - 3000K</td>
<td>90 - 90CRI</td>
<td>6W - 6.0W/ft</td>
<td>OF - Oval Forward</td>
<td>06 - 6'</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>35 - 3500K</td>
<td>9W - 9.0W/ft</td>
<td>10 - 10'</td>
<td>OG - Oval Grazing</td>
<td>NA - Narrow</td>
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<td></td>
<td></td>
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<tr>
<td>40 - 4000K</td>
<td>AS - Asymmetric</td>
<td>ML - Molex</td>
<td>NA - Narrow</td>
<td>NA - Narrow</td>
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</table>

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NANO OPTICS™ Flex

Photometric Data

Narrow
15”x15”

Oval Forward
20”x45”

Oval Grazing
45”x20”

Asymmetric
## NANO OPTICS™ Flex

### Accessories

<table>
<thead>
<tr>
<th>Mounting Clip</th>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="mounting_clip.png" alt="Mounting Clip Diagram" /></td>
<td>1.57&quot; 40mm</td>
<td>Nano Optics™ Flex, Mounting Bracket</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Termination Cap</th>
<th>Part Number</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td><img src="termination_cap.png" alt="Termination Cap Diagram" /></td>
<td>1.52&quot; 40mm</td>
<td>Nano Optics™ Flex, Termination Cap</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Connector Box</th>
<th>Part Number</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td><img src="connector_box.png" alt="Connector Box Diagram" /></td>
<td>0.43&quot; 11mm</td>
<td>Nano Optics™ Flex, Connector Box</td>
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</tbody>
</table>

### AVX Cables

<table>
<thead>
<tr>
<th>Cable Type</th>
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<tbody>
<tr>
<td>6' Starter Cable</td>
</tr>
<tr>
<td>1' Connector Cable</td>
</tr>
<tr>
<td>4' Connector Cable</td>
</tr>
<tr>
<td>12' Connector Cable</td>
</tr>
<tr>
<td>6' Jumper Connector Cable</td>
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</tbody>
</table>