STARLINE® ARCHITECTURAL LUMINAIRES
MICRO DOWNLIGHT / WALL WASH
STARLINE® - MD MICRO DOWNLIGHT OPTIC

SHAPING THE LIGHT BEAM FOR LOW GLARE

MD Micro downlight reflectors with complex surface geometry of micro facets allow precise shaping of the light beam. Angles of direct light beam and reflector are almost perfectly aligned, providing sharp cut off for full visual comfort (UGR<19).
STARLINE®- MICRO/R
RECESSED LUMINAIRES

Specifications
Dimensions: 2.4in (60mm)
Power: 5W
Illuminance: 541 lumens
Unified Glare Rating: UGR<6/16/22

STARLINE®- MICRO/S | MICRO/C
SUSPENDED AND CEILING LUMINAIRES

Specifications
Dimensions: 1.8in (45mm) x 19.7in (500 mm)
Power: 5W
Illuminance: 541 lumens
Unified Glare Rating: UGR<6/16/22
STARLINE® MICRO MD
RECESSED LUMINAIRES

Specifications
Dimensions: Various sizes
Power: 5-53W
Illuminance: 541-4,889 lumens
Unified Glare Rating: As low as UGR<6
STARLINE® - ASTERISK
RECESSED LUMINAIRES
Specifications
Dimensions: 2’x2’ panel
Power: 27W
Illuminance: 3,500 lumens
Unified Glare Rating: UGR<13
PIKO OPTIC - Lens made of PMMS, retracted from the bottom surface of the luminaire, emitting light through perforation on the surface.

Retraction from the perforation enables invisibility of the light source, providing full visual comfort.
STARLINE®- PIKO/R
RECESSED LUMINAIRES

Specifications
Dimensions: 2.4in (60mm)
Power: 50W
Illuminance: 240 lumens
Unified Glare Rating: UGR<16

STARLINE®- PIKO/S | PIKO/C
SUSPENDED AND CEILING LUMINAIRES

Specifications
Dimensions: 1.8in (45mm) x 19.7in (500mm)
Power: 50W
Illuminance: 240 lumens
Unified Glare Rating: UGR<16
**STARLINE® - MICRO WW WALL WASH OPTIC**

**SHAPING THE LIGHT BEAM FOR LOW GLARE**

**WW Optic** - Wall washing component is based on reflectors with complex surface micro-facet technology. The reflectors ensure high uniformity in lighting distribution on plane with characteristic elongation in vertical direction. Precise cut off eliminating glare in adjacent areas.
STARLINE® - MICRO WW
RECESSED WALL WASH LUMINAIRES

Specifications
Dimensions: Various lengths
Power: 9-45W
Illuminance: 700lm/ft
STARLINE®- MD OPTIC OPTION
IDOOLINE LINEAR LIGHTING SYSTEM

Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Details</th>
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</thead>
<tbody>
<tr>
<td>Four fixture lengths</td>
<td>33 in.(846 mm)/ 44 in.(1126 mm)/ 66 in.(1406 mm)/ 88 in.(2248 mm)</td>
</tr>
<tr>
<td>Beam angles</td>
<td>35°, 55°, 75°</td>
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<tr>
<td>UGR</td>
<td>&lt;6 (35°), &lt;10 (55°), &lt;19 (75°)</td>
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<tr>
<td>Total power</td>
<td>42-70W</td>
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<tr>
<td>Luminaire efficiency</td>
<td>82-92 lumens/W</td>
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<tr>
<td>Color temperature</td>
<td>2700K/4000K/2700-5200K</td>
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<tr>
<td>CRI</td>
<td>&gt;80</td>
</tr>
<tr>
<td>LED service life</td>
<td>50,000 hours L70B10/SCDM3</td>
</tr>
<tr>
<td>Voltage</td>
<td>120-277V; 50-60Hz</td>
</tr>
<tr>
<td>Compatible with</td>
<td>0-10V, DALI, LUTRON</td>
</tr>
</tbody>
</table>
  (consult factory for other)
STARLINE®- WW OPTIC OPTION
IDOO.line LINEAR LIGHTING SYSTEM

Specifications
Four fixture lengths
33 in.(846 mm)/ 44 in.(1126 mm)/ 66 in.(1406 mm)/ 88 in.(2248 mm)
Total power
40-106W
Luminaire efficiency
65 lumens/W
Color temperature
3000K/ 3500K/ 4000K/ 2700-5700K
>80
CRI
>80
LED service life
50,000 hours L70B10/ SCDM3
Voltage
120-277V; 50-60Hz
Compatible with
0-10V, DALI, LUTRON
(consult factory for other)
COMBINING LUMINAIRES AND CONTROLS
CREATING VARIOUS LIGHT SCENARIOS IN A SINGLE SPACE

By combining luminaires and lighting control systems, you can create various light scenarios in a single space.
COMPATIBLE WITH THIRD-PARTY DRIVERS AND SENSORS

**Waldmann NetModule**

Waldmann NetModule, standalone lighting control system, allows single or color tunable controlling via an SD card and internal clock, without the need of outside controls. The NetModule uses internal DALI protocol to control pre-programmed lighting tasks that can be overridden with any wired or wireless DALI dimmers and switches. Lighting scenes can easily be changed by replacing or reprogramming the SD card.

**Lutron**

Lutron EcoSystem enabled options for compatibility with Lutron Quantum and other control systems using EcoSystem. T-Series enabled for dynamic white applications using Lutron Quantum Vive wireless enabled for smart building applications in new construction or retrofitting existing buildings. Visit www.lutron.com for more details.

**Molex CoreSync**

Power over ethernet enabled fixtures communicate with devices and software providing full PoE compatibility for maximum energy management. Fixtures are powered using low voltage cables and gateways for the most modern controls solution. Visit www.coresync.molex.com or call our factory for more information. Waldmann offers a full line of CoreSync compatible fixtures.

**Philips EasySense - Xitanium Sensor**

Ready drivers provide an effective foundation for connected lighting systems and network solutions by providing a digital connection between driver and fixture. When used with the EasySense system, fixture settings can be easily configured and modified. Visit www.usa.lighting.philips.com.

**Enlighted**

Using Enlighted patented wireless sensor technology and software, Enlighted ready fixtures can be networked for full control and real time data collection allowing building owners to maximize insights for the smartest building management decisions. Information about Enlighted IoT solutions company can be found at www.enlightedinc.com.

**EldoLED - SOLO or DUAL**

These DALI drivers can connect to any open DALI protocol system. DALI-2 certified, LightShape technology, allow for single or tunable white lighting solutions. LEDcode feature connects to digital accessories, supports location based IoT applications and enables wired and wireless lighting control through LEDcode peripheral devices. For information on the wide range of applications, visit www.eldoled.com.

**Bluetooth Casambi**

This self organizing Wireless Mesh Network fixture utilizes bluetooth technology to connect to small or large networks that can be controlled from any point in the system. Fixtures can be controlled by traditional wall switches, wireless switches or from any electronic device through the Casambi app. For more information on bluetooth mesh networks, visit casambi.com.

**Osram ENCELUMIUM EXTEND**

Osram IoT ready fixtures are compatible with all ENCELUMIUM EXTEND Networked Light Management System components, including Polaris 3D software. This fully advanced, intelligent light management solution can be found at www.osram.us.

**Acuity nLight**

nLight compatible fixtures are sensor based digital luminaires for wireless and wired controls. Luminaires can easily join the nLight network for any size project. The go-to digital lighting platform can be found at www.acuitybrands.com.

Disclaimer: The Waldmann IDOO/DOTOO.line Linear Lighting System is not affiliated with the above providers.