**DESCRIPTION**

Via 1.5 is the elegant, ultra-compact and flexible linear LED luminaire system for pendant, surface, and recessed or in-wall installation, whether as discrete luminaires, continuous runs, or patterns. Via 1.5 features numerous optical configurations, which are difficult to achieve in such a compact luminaire. See separate spec sheets for patterns and other available mountings.

**ORDER GUIDE**

<table>
<thead>
<tr>
<th>VIA1.5PDI</th>
<th>HLO</th>
<th>LED</th>
</tr>
</thead>
<tbody>
<tr>
<td>LUMINAIRE ID</td>
<td>OPTICS</td>
<td>LIGHT SOURCE</td>
</tr>
<tr>
<td>VIA1.5PDI - via 1.5” pendant direct/indirect</td>
<td>HLO - High-Efficiency Lambertian Optic</td>
<td>LED - high performance LED</td>
</tr>
<tr>
<td></td>
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<td></td>
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<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**LUMINAIRE LENGTH**

<table>
<thead>
<tr>
<th>Standard sections - 2’, 3’, 4’, 5’, 8’ &amp; 12’</th>
</tr>
</thead>
<tbody>
<tr>
<td>For all other specify length</td>
</tr>
<tr>
<td>#FT - nominal length in feet</td>
</tr>
<tr>
<td>#IN - length in inches</td>
</tr>
<tr>
<td>Continuous Run - for luminaires over 12’</td>
</tr>
<tr>
<td>Minimum Individual section 2’</td>
</tr>
</tbody>
</table>

**VOLTAGE**

- 120 - 120V
- 277 - 277V
- UNV - 120V-277V
- 347 - 347V

**DRIVER**

- D - dimming 0-10V
- DA - Dali
- LHL# - Lutron Hi-Lume A
- LEH - Lutron EcoSystem H
- LES - Lutron EcoSystem S
- OTH - other (consult factory)

**ELECTRICAL**

- 1 - 1 circuit
- 2 - 2 circuits
- +EB - emergency battery pack (for min B’ fixture)
- +EM - emergency light circuit
- +NL - night light circuit

**MOUNTING**

- 53WAC36 - power 6” + non power 3” white canopy (36” air craft cable)
- 55WSV18 - power 5” + non power 5” white canopy & stem (18” stem)

See page 2 for ordering code detailed information

**OPTIONS**

- FU - fuse
- DC - dust cover
- TB# - T-bar caddy clip specify grid size
- TG# - Tegular caddy clip specify grid size
- ST - Screw Slots caddy clip
- CU - custom

**FINISH**

- W - matte white
- AL - aluminum
- CF# - custom finish specify RAL#

**CONTROLS**

- WIRELESS
- EWC - EnOcean Wireless Controller
- LMC - Lutron Motion Controller
- LDC - Daylight Controller

See page 2 for ordering code detailed information

**CROSS SECTION**

- VIA1.5PDI - air craft cable
- VIA1.5PDI - stem

**OPTICS**

- HLO - High-efficiency Lambertian Optic
**OPTICS**

**HIGH EFFICIENCY LAMBERTIAN OPTIC (HLO)** - Matte white side reflectors combined with High-Efficiency Lambertian Optic (HLO) shielding of diffusing 0.075" thick acrylic with up to 88% transmission and good source obscuration. Luminaire brightness is controlled by the flux-to-shielding area ratio.

**LIGHT SOURCE - LED**

Custom linear array of mid-flux LED’s are cartridge-mounted with quick-connect wiring to facilitate service and thermal management. Available in 3000K, 3500K and 4000K with a minimum 80 CRI and an option for 90 CRI with elevated R9 value. Color consistency maintained to within 3 SDCM.

All LEDs have been tested in accordance with IESNA LM-80-08 and the results have shown L80 lumen maintenance greater than 60,000 hours. Absolute product photometry is measured and presented in accordance with IESNA LM-79, unless otherwise indicated.

**PERFORMANCE PER 4’ AT 4000K**

<table>
<thead>
<tr>
<th>LED output</th>
<th>Color Temp</th>
<th>Watts</th>
<th>Direct Lumens</th>
<th>Indirect Lumens</th>
<th>Total Nominal Lumens</th>
<th>Efficacy Lumens Per Watt</th>
</tr>
</thead>
<tbody>
<tr>
<td>low output</td>
<td>4000K</td>
<td>40</td>
<td>1600</td>
<td>2000</td>
<td>3600</td>
<td>94</td>
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<tr>
<td>medium output</td>
<td>4000K</td>
<td>46</td>
<td>2000</td>
<td>2000</td>
<td>4000</td>
<td>90</td>
</tr>
<tr>
<td>high output</td>
<td>4000K</td>
<td>60</td>
<td>3000</td>
<td>2000</td>
<td>5000</td>
<td>86</td>
</tr>
</tbody>
</table>

**LUMINAIRE LENGTH**

Via 1.5 is made up of standard 2, 3, 4, 5, 8 and 12 foot sections that may be joined together to create longer continuous run lengths. Exact run length must be noted in the product code. The minimum individual section available is 2 foot.

All individual sections are joined together onsite using the joiner kits provided. LumenWerx offers joiner kits that are extremely simple to work with in the field and result in a fixture that appears virtually seamless with no light leak at any connection.

**ELECTRICAL**

Factory-set adjustable output current electronic driver with 120-277V AC line input. Dimmable from at least 100%-5% with 0-10V control. Rated life (90% survivorship) of 50,000 hours at 50ºC max. ambient (and 70ºC max. case) temperature. Terminal block connections for easy service. At maximum driver load: Efficiency>84%, PF>0.9, THD<20%. Other specifiable options include Lutron Hi-Lume A (specify 2, 3 or 4 wires), EcoSystem H (100%-1%, fade-to-black) and EcoSystem 5 (100%-5%) dimmable drivers and DALI protocol drivers.

**EMERGENCY**

Factory installed long life high temperature recyclable Ni-Cad battery pack with test switch and charge indicator, minimum of 90 minutes operation, up to 1300 lumens (25ºC) emergency lighting output. Recharge time of 24 hours.

**MOUNTING OPTIONS**

Fixtures can be pendant-mounted, using air craft cables, or stem-mounted. Unless otherwise specified, LumenWerx provides the following hardware:

- **For cable-mounted fixtures** - 53WAC36 (5” white canopy for all power mounting point, 3” white canopy for non power mounting point, and a 36” cable)
- **For stem mounted fixtures** - 55WSW18 (5” white canopy for all power mounting point, and non power mounting point, and a 18” white stem)
- **Caddy clips**, if required specify under OPTIONS

For all other required mountings options, for all our Pendant Mounting Guide at www.lumenwerx.com

**FINISH**

- **Interior** - 95%, reflective matte powder coated white paint
- **Exterior** - matte white or silver powder coating.

Custom finishes are also available.

**CONTROLS**

LumenWerx offers several options for integrating occupancy and daylight controls into Via 1.5 luminaires. Wireless options incorporate a wireless controller/powerpack into the luminaire, which receives signals from a wireless sensor (by others) installed in the space. The advantages of the wireless option include greater flexibility of control options, sensor coverage and system integration.
Wireless
EnOcean Wireless Controller (EWC) provides both a power pack for presence detection control and a 0-10V interface for daylight harvesting. EnOcean wireless sensors (by others) mounted in the room signal the onboard EWC. This option permits manual on/automatic off (vacancy) control.
Lutron Motion Controller (LMC) and Daylight Controller (LDC) provide inputs to Ecosystem drivers. Compatible Lutron wireless motion and daylight sensors (by others) mounted in the room signal onboard LPC or LDC. This option permits manual on/automatic off (vacancy) control.

CONSTRUCTION
Housing - Extruded Aluminum (0.095" nominal) up to 90% Recycled Content
Interior brackets - Die formed cold rolled sheet steel 18 gauge thick
Joining system - Die cast Zinc (0.95" nominal)
Reflectors - Flat rolled Aluminum sheet 0.040" thick precisely die formed, 95% reflective matte white painted
End caps - Die cast Aluminum (0.95" nominal)
Hanger - Chromed Griplock securely attached with spring steel hardware in end caps and/or joiners
Air craft cable suspension - 7x7 braids Aluminum air craft cable 0.06" thick
Stem - 0.5" diameter threaded steel tube matte white or silver powder coating. Custom finishes are also available

WEIGHT
Via 1.5 4ft - 8.26lbs - 3.75kg
Via 1.5 8ft - 16.52lbs - 7.5kg
Via 1.5 12ft - 24.78lbs - 11.25kg

CERTIFICATIONS
ETL - Rated for Dry/Damp locations. Conforms to UL Standard 1598 and certified to CAN/CSA Standard C22.2 No. 250.0.

WARRANTY
LumenWerx provides a five-year limited warranty of electrical and mechanical performance of the luminaires, including the LED boards, drivers, and auxiliary electronics. LumenWerx will repair or replace defective luminaires or components at our discretion, provided they have been installed and operated in accordance with our specifications. Other limitations apply, please refer to the full warranty on our website.
# VIA 1.5 LED PENDANT DIRECT

**DESCRIPTION**
Via 1.5 is the elegant, ultra-compact and flexible linear LED luminaire system for pendant, surface, and recessed or in-wall installation, whether as discrete luminaires, continuous runs, or patterns. Via 1.5 features numerous optical configurations, which are difficult to achieve in such a compact luminaire. See separate spec sheets for patterns and other available mountings.

**ORDER GUIDE**

<table>
<thead>
<tr>
<th>VIA1.5PD</th>
<th>HLO</th>
<th>LED</th>
<th>CRI</th>
<th>LUMEN PACKAGES</th>
<th>COLOR TEMP.</th>
</tr>
</thead>
<tbody>
<tr>
<td>VIA1.5PD - via 1.5&quot; pendant direct</td>
<td>HLO - High-Efficiency Lambertian Optic</td>
<td>LED - high performance LED</td>
<td>80 - 80CRI</td>
<td>400 - low output 400lm/f</td>
<td>30 - 3000k</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>90 - 90CRI (consult factory)</td>
<td>500 - med. output 500lm/f</td>
<td>35 - 3500k</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>750 - high output 750lm/f</td>
<td></td>
<td>40 - 4000k</td>
</tr>
</tbody>
</table>

**LUMINAIRE LENGTH**
Standard sections - 2', 3', 4', 5', 8' & 12'
For all other specify length

<table>
<thead>
<tr>
<th>aFT</th>
<th>aIN</th>
</tr>
</thead>
<tbody>
<tr>
<td>nominal length in feet</td>
<td>length in inches</td>
</tr>
<tr>
<td>Continuous Run - for luminaires over 12&quot; Minimum Individual section 2'</td>
<td></td>
</tr>
</tbody>
</table>

**VOLTAGE**
- 120 - 120V
- 277 - 277V
- UNV - 120V-277V
- 347 - 347V

**DRIVER**
- D - dimming 0-10V
- DA - Dali
- LHL# - Lutron Hi-Lume A
- LEH - Lutron EcoSystem H
- LES - Lutron EcoSystem S
- OTH - other (consult factory)

**ELECTRICAL**
- 1 - 1 circuit
- *#EB - emergency battery pack (for min 8' fixture)
- *#EM - emergency light circuit
- *#NL - night light circuit

**MOUNTING**
- 53WAC36 - power 5" + non power 3" white canopy (36" air craft cable)
- 55WSW18 - power 5" + non power 5" white canopy & stem (18" stem)

For all other mountings refer to the Pendant Mounting Guide.

**FINISH**
- W - matte white
- AL - aluminum
- CF# - custom finish specify RAL#

**CONTROLS OPTIONS**
- WIRELESS
  - EWC - EnOcean Wireless Controller
  - LMC - Lutron Motion Controller
  - LDC - Daylight Controller
- OPTIONS
  - FU - fuse
  - TB# - T-bar caddy clip specify grid size
  - TG# - Tegular caddy clip specify grid size
  - ST - Screw Slots caddy clip
  - CU - custom

**CROSS SECTION**
- VIA1.5PD - air craft cable
- VIA1.5PD - stem

**OPTICS**
- HLO - High-efficiency Lambertian Optic

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LumenWerx ULC. reserves the right to change or modify product specifications without notification.
**OPTICS**

**HIGH EFFICIENCY LAMBERTIAN OPTIC (HLO)** - matte white side reflectors combined with High-Efficiency Lambertian Optic (HLO) shielding of diffusing 0.075" thick acrylic with up to 88% transmission and good source obscuration. Luminaire brightness is controlled by the flux-to-shielding area ratio.

**LIGHT SOURCE - LED**

Custom linear array of mid-flux LED's are cartridge-mounted with quick-connect wiring to facilitate service and thermal management. Available in 3000K, 3500K and 4000K with a minimum 80 CRI and an option for 90 CRI with elevated R9 value. Color consistency maintained to within ±3 SDCM.

All LEDs have been tested in accordance with IESNA LM-80-08 and the results have shown L80 lumen maintenance greater than 60,000 hours. Absolute product photometry is measured and presented in accordance with IESNA LM-79, unless otherwise indicated.

**PERFORMANCE PER 4' AT 4000K**

<table>
<thead>
<tr>
<th>LED output</th>
<th>Color Temp</th>
<th>Watts</th>
<th>Nominal Lumens</th>
<th>Efficacy&lt;br&gt; Lumens Per Watt</th>
</tr>
</thead>
<tbody>
<tr>
<td>low output</td>
<td>4000K</td>
<td>20</td>
<td>1600</td>
<td>85</td>
</tr>
<tr>
<td>medium output</td>
<td>4000K</td>
<td>26</td>
<td>2000</td>
<td>81</td>
</tr>
<tr>
<td>high output</td>
<td>4000K</td>
<td>39</td>
<td>3000</td>
<td>79</td>
</tr>
</tbody>
</table>

**LUMINAIRE LENGTH**

Via 1.5 is made up of standard 2, 3, 4, 5, 8 and 12 foot sections that may be joined together to create longer continuous run lengths. Exact run length must be noted in the product code. The minimum individual section available is 2 foot.

All individual sections are joined together onsite using the joiner kits provided. LumenWerx offers joiner kits that are extremely simple to work with in the field and result in a fixture that appears virtually seamless with no light leak at any connection.

**ELECTRICAL**

Factory-set adjustable output current electronic driver with 120-277V AC line input. Dimmable from at least 100%-5% with 0-10V control. Rated life (90% survivorship) of 50,000 hours at 50°C max. ambient and 70°C max. case temperature. Terminal block connections for easy service. At maximum driver load: Efficiency>84%, PF>0.9, THD<20%. Other specifiable options include Lutron Hi-Lume A (specify 2, 3 or 4 wires), EcoSystem H (100%-1%, fade-to-black) and EcoSystem 5 (100%-5%) dimmable drivers and DALI protocol drivers.

**EMERGENCY**

Factory installed long life high temperature recyclable Ni-Cad battery pack with test switch and charge indicator; minimum of 90 minutes operation, up to 1300 lumens (25°C) emergency lighting output. Recharge time of 24 hours.

**MOUNTING OPTIONS**

Fixtures can be pendant-mounted, using air craft cables, or stem-mounted. Unless otherwise specified, LumenWerx provides the following hardware:

- **For cable-mounted fixtures** - 53WAC36 (5" white canopy for all power mounting point, 3" white canopy for non power mounting point, and a 36" cable)
- **For stem mounted fixtures** - 55WSW18 (5" white canopy for all power mounting point, and non power mounting point, and a 18" white stem)

Caddy clips, if required specify under OPTIONS

For all other required mountings options, for all our Pendant Mounting Guide at www.lumenwerx.com

**FINISH**

- **Interior** - 95%, reflective matte powder coated white paint
- **Exterior** - matte white or silver powder coating.

Custom finishes are also available.

**CONTROLS**

LumenWerx offers several options for integrating occupancy and daylight controls into Via 1.5 luminaires. Wireless options incorporate a wireless controller/powerpack into the luminaire, which receives signals from a wireless sensor (by others) installed in the space. The advantages of the wireless option include greater flexibility of control options, sensor coverage and system integration.
Wireless
EnOcean Wireless Controller (EWC) provides both a power pack for presence detection control and a 0-10V interface for daylight harvesting. EnOcean wireless sensors (by others) mounted in the room signal the onboard EWC. This option permits manual on/automatic off (vacancy) control.
Lutron Motion Controller (LMC) and Daylight Controller (LDC) provide inputs to Ecosystem drivers. Compatible Lutron wireless motion and daylight sensors (by others) mounted in the room signal onboard LPC or LDC. This option permits manual on/automatic off (vacancy) control.

CONSTRUCTION
Housing - Extruded Aluminum (0.095" nominal) up to 90% Recycled Content
Interior brackets - Die formed cold rolled sheet steel 18 gauge thick
Joining system - Die cast Zinc (0.95" nominal)
Reflectors - Flat rolled Aluminum sheet 0.040" thick precisely die formed, 95% reflective matte white painted
End caps - Die cast Aluminum (0.95" nominal)
Hanger - Chromed Griplock securely attached with spring steel hardware in end caps and/or joiners
Air craft cable suspension - 7x7 braids Aluminum air craft cable 0.06" thick
Stem - 0.5" diameter threaded steel tube matte white or silver powder coating. Custom finishes are also available

WEIGHT
Via 1.5 4ft - 7.16lbs - 3.25kg
Via 1.5 8ft - 14.32lbs - 6.5kg
Via 1.5 12ft - 21.48lbs - 9.75kg

CERTIFICATIONS
ETL - Rated for Dry/Damp locations. Conforms to UL Standard 1598 and certified to CAN/CSA Standard C22.2 No. 250.0.

WARRANTY
LumenWerx provides a five-year limited warranty of electrical and mechanical performance of the luminaires, including the LED boards, drivers, and auxiliary electronics. LumenWerx will repair or replace defective luminaires or components at our discretion, provided they have been installed and operated in accordance with our specifications. Other limitations apply, please refer to the full warranty on our website.
DESCRIPTION
Via 1.5 is the elegant, ultra-compact and flexible linear LED luminaire system for pendant, surface, and recessed or in-wall installation, whether as discrete luminaires, continuous runs, or patterns. Via 1.5 features numerous optical configurations, which are difficult to achieve in such a compact luminaire. See separate spec sheets for patterns and other available mountings.

ORDER GUIDE

VIA1.5PI | NO | LED
---|---|---
LUMINAIRE ID | OPTICS | LIGHT SOURCE | CRI | UP LUMEN PACKAGES | COLOR TEMP. | LUMINAIRE LENGTH | VOLTAGE
VIA1.5PI - via 1.5’ pendant indirect | NO - no optics | LED - high performance LED | 80 - 80CRI | 500 - low output 500lm/f | 30 - 3000k | Standard sections - 2’, 3’, 4’, 5’, 8’ & 12’ | 120 - 120V
 | 90 - 90CRI (consult factory) | 750 - medium output 750lm/f | 35 - 3500k | | | For all other specify length | 277 - 277V
 | | | 40 - 4000k | | | Continuous Run - for luminaires over 12’ | UNV - 120V-277V
 | | | | | | Minimum Individual section 2’ | 347 - 347V

DRIVER | ELECTRICAL | MOUNTING | FINISH | CONTROLS | OPTIONS
---|---|---|---|---|---
D - dimming 0-10V | 1 - 1 circuit | 53WAC36 - power 5’ + non power 3” white canopy (36” air craft cable) | W - matte white | WIRELESS | FU - fuse
DA - Dali | *EB - emergency battery pack (for min 8’ fixture) | 55WSW18 - power 5’ + non power 5” white canopy & stem (18” stem) | AL - aluminum | EWC - EnOcean Wireless Controller | DC - dust cover
LHL# - Lutron Hi-Lume A | *EM - emergency light circuit | For all other mountings refer to the Pendant Mounting Guide. | CF# - custom finish specify RAL# | LMC - Lutron Motion Controller | TB# - T-bar caddy clip specify grid size
LE - Lutron EcoSystem H | #NL - night light circuit | | | LDC - Daylight Controller | TG# - Tegular caddy clip specify grid size
LE5 - Lutron EcoSystem 5 | | | | | ST - Screw Slots caddy clip
OTH - other (consult factory) | | | | | CU - custom

CROSS SECTION

VIA1.5PI - air craft cable VIA1.5PI - stem

See page 2 for ordering code detailed information
LIGHT SOURCE - LED
Custom linear array of mid-flux LED’s are cartridge-mounted with quick-connect wiring to facilitate service and thermal management. Available in 3000K, 3500K and 4000K with a minimum 80 CRI and an option for 90 CRI with elevated R9 value. Color consistency maintained to within 3 SDCM. LEDs operated at reduced drive current to optimize efficacy and lumen maintenance. All LEDs have been tested in accordance with IESNA LM-80-08 and the results have shown L80 lumen maintenance greater than 60,000 hours. Absolute product photometry is measured and presented in accordance with IESNA LM-79, unless otherwise indicated.

PERFORMANCE PER 4’ AT 4000K

<table>
<thead>
<tr>
<th>LED output</th>
<th>Color Temp</th>
<th>Watts</th>
<th>Nominal Lumens</th>
<th>Efficacy Lumens Per Watt</th>
</tr>
</thead>
<tbody>
<tr>
<td>low output</td>
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<td>101</td>
</tr>
<tr>
<td>medium output</td>
<td>4000K</td>
<td>32</td>
<td>3000</td>
<td>96</td>
</tr>
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LUMINAIRE LENGTH
Via 1.5 is made up of standard 2, 3, 4, 5, 8 and 12 foot sections that may be joined together to create longer continuous run lengths. Exact run length must be noted in the product code. The minimum individual section available is 2 foot. All individual sections are joined together onsite using the joiner kits provided. LumenWerx offers joiner kits that are extremely simple to work with in the field and result in a fixture that appears virtually seamless with no light leak at any connection.

ELECTRICAL
Factory-set adjustable output current electronic driver with 120-277V AC line input. Dimmable from at least 100%-5% with 0-10V control. Rated life (90% survivorship) of 50,000 hours at 50°C max. ambient (and 70°C max. case) temperature. Terminal block connections for easy service. At maximum driver load: Efficiency>84%, PF>0.9, THD<20%. Other specifiable options include Lutron Hi-Lume A (specify 2, 3 or 4 wires), EcoSystem H (100%-1%, fade-to-black) and EcoSystem 5 (100%-5%) dimmable drivers and DALI protocol drivers.

EMERGENCY
Factory installed long life high temperature recyclable Ni-Cad battery pack with test switch and charge indicator; minimum of 90 minutes operation, up to 1300 lumens (25°C) emergency lighting output. Recharge time of 24 hours.

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Fixtures can be pendant-mounted, using air craft cables, or stem-mounted. Unless otherwise specified, LumenWerx provides the following hardware:
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Caddy clips, if required specify under OPTIONS
For all other required mountings options, for all our Pendant Mounting Guide at www.lumenwerx.com

FINISH
Interior - 95%, reflective matte powder coated white paint
Exterior - matte white or silver powder coating.
Custom finishes are also available.

CONTROLS
LumenWerx offers several options for integrating occupancy and daylight controls into Via 1.5 luminaires. Wireless options incorporate a wireless controller/powerpack into the luminaire, which receives signals from a wireless sensor (by others) installed in the space. The advantages of the wireless option include greater flexibility of control options, sensor coverage and system integration.

Wireless
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CONSTRUCTION
Housing - Extruded Aluminum (0.095" nominal) up to 90% Recycled Content
Interior brackets - Die formed cold rolled sheet steel 18 gauge thick
Joining system - Die cast Zinc (0.95" nominal)
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Via 1.5 8ft - 14.32lbs - 6.5kg
Via 1.5 12ft - 21.48lbs - 9.75kg

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**ORDER GUIDE**

**VIA1.5R** | **HLO** | **LED** | **CRI** | **LUMEN PACKAGES** | **COLOR TEMP.**
---|---|---|---|---|---
VIA1.5R - via 1.5" recessed | HLO - High-Efficiency Lambertian Optic | LED - high performance LED | 80 - 80CRI | 400 - low output 400lm/f | 30 - 3000k
 | | | 90 - 90CRI (consult factory) | 500 - med. output 500lm/f | 35 - 3500k
 | | | | 750 - high output 750lm/f | 40 - 4000k

**LUMINAIRE LENGTH**

- Standard sections - 2', 3', 4', 5', 6' & 12'
- For all other specify length
- #FT - nominal length in feet
- #IN - length in inches
- Continuous Run - for luminaires over 12'
- Minimum Individual section 2'

<table>
<thead>
<tr>
<th>LUMINAIRE</th>
<th>VOLTAGE</th>
<th>DRIVER</th>
<th>ELECTRICAL</th>
<th>MOUNTING</th>
<th>FINISH</th>
<th>CONTROLS</th>
</tr>
</thead>
<tbody>
<tr>
<td>VIA1.5R - recessed</td>
<td>120 - 120V</td>
<td>1 - 1 circuit</td>
<td>TG9 - tegular 9/16&quot;</td>
<td>W - matte white</td>
<td>WIRELESS</td>
<td></td>
</tr>
<tr>
<td></td>
<td>277 - 277V</td>
<td>+EB - emergency battery pack (for min 8' fixture)</td>
<td>TG15 - tegular 15/16&quot;</td>
<td>CF - custom finish specify RAL#</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>UNV - 120V-277V</td>
<td>+EM - emergency light circuit</td>
<td>TB9 - t-bar 9/16&quot;</td>
<td>LWC - EnOcean Wireless Controller</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>347 - 347V</td>
<td>+NL - night light circuit</td>
<td>TB15 - t-bar 15/16&quot;</td>
<td>LMC - Lutron Motion Controller</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>ST - screw slot t-bar</td>
<td>LDC - Daylight Controller</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>DTR - drywall trim</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>DTL - drywall trimless</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>DMF - drywall mud flange</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>OHC - other ceiling (specify)</td>
<td></td>
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</tr>
</tbody>
</table>

**OPTIONS**

- FU - fuse
- FWC - flexible whip cable (6' std)
- CP - Chicago Plenum
- CU - custom

**CROSS SECTION**

VIA1.5R - recessed

**OPTICS**

HLO - High-efficiency Lambertian Optic

See page 2 for ordering code detailed information
VIA 1.5 LED RECESSED

OPTICS
HIGH EFFICIENCY LAMBERTIAN OPTIC (HLO) - matte white side reflectors combined with High-Efficiency Lambertian Optic (HLO) shielding of diffusing 0.075" thick acrylic with up to 88% transmission and good source obscuration. Luminaire brightness is controlled by the flux-to-shielding area ratio.

LIGHT SOURCE - LED
Custom linear array of mid-flux LED's are cartridge-mounted with quick-connect wiring to facilitate service and thermal management. Available in 3000K, 3500K and 4000K with a minimum 80 CRI and an option for 90 CRI with elevated R9 value. Color consistency maintained to within 3 SDCM. LEDs operated at reduced drive current to optimize efficacy and lumen maintenance.

All LEDs have been tested in accordance with IESNA LM-80-08 and the results have shown L80 lumen maintenance greater than 60,000 hours. Absolute product photometry is measured and presented in accordance with IESNA LM-79, unless otherwise indicated.

PERFORMANCE PER 4' AT 4000K

<table>
<thead>
<tr>
<th>LED output</th>
<th>Color Temp</th>
<th>Watts</th>
<th>Nominal Lumens</th>
<th>Efficacy Lumens Per Watt</th>
</tr>
</thead>
<tbody>
<tr>
<td>low output</td>
<td>4000K</td>
<td>20</td>
<td>1600</td>
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<td>medium output</td>
<td>4000K</td>
<td>26</td>
<td>2000</td>
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<tr>
<td>high output</td>
<td>4000K</td>
<td>39</td>
<td>3000</td>
<td>79</td>
</tr>
</tbody>
</table>

LUMINAIRE LENGTH
Via 1.5 is made up of standard 2, 3, 4, 5, 8 and 12 foot sections that may be joined together to create longer continuous run lengths. Exact run length must be noted in the product code. The minimum individual section available is 2 foot.

All individual sections are joined together onsite using the joiner kits provided. LumenWerx offers joiner kits that are extremely simple to work with in the field and result in a fixture that appears virtually seamless with no light leak at any connection.

Joining system

ELECTRICAL
Factory-set adjustable output current electronic driver with 120-277V AC line input. Dimmable from at least 100%-5% with 0-10V control. Rated life (90% survivorship) of 50,000 hours at 50°C max. ambient (and 70°C max. case) temperature. Terminal block connections for easy service. At maximum driver load: Efficiency>84%, PF>0.9, THD<20%. Other specifiable options include Lutron Hi-Lume A (specify 2, 3 or 4 wires), EcoSystem H (100%-1%, fade-to-black) and EcoSystem 5 (100%-5%) dimmable drivers and DALI protocol drivers.

EMERGENCY
Factory installed long life high temperature recyclable Ni-Cad battery pack with test switch and charge indicator, minimum of 90 minutes operation, up to 1300 lumens (25°C) emergency lighting output. Recharge time of 24 hours.

MOUNTING OPTIONS
Recess mount into exposed or concealed T-Bar or Tegular grid ceiling
Mounting for drywall ceilings are available with visible trim, mud flange trim or trimless

Joining system

ELECTRICAL
Factory-set adjustable output current electronic driver with 120-277V AC line input. Dimmable from at least 100%-5% with 0-10V control. Rated life (90% survivorship) of 50,000 hours at 50°C max. ambient (and 70°C max. case) temperature. Terminal block connections for easy service. At maximum driver load: Efficiency>84%, PF>0.9, THD<20%. Other specifiable options include Lutron Hi-Lume A (specify 2, 3 or 4 wires), EcoSystem H (100%-1%, fade-to-black) and EcoSystem 5 (100%-5%) dimmable drivers and DALI protocol drivers.

EMERGENCY
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MOUNTING OPTIONS
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Mounting for drywall ceilings are available with visible trim, mud flange trim or trimless

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Factory-set adjustable output current electronic driver with 120-277V AC line input. Dimmable from at least 100%-5% with 0-10V control. Rated life (90% survivorship) of 50,000 hours at 50°C max. ambient (and 70°C max. case) temperature. Terminal block connections for easy service. At maximum driver load: Efficiency>84%, PF>0.9, THD<20%. Other specifiable options include Lutron Hi-Lume A (specify 2, 3 or 4 wires), EcoSystem H (100%-1%, fade-to-black) and EcoSystem 5 (100%-5%) dimmable drivers and DALI protocol drivers.

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Mounting for drywall ceilings are available with visible trim, mud flange trim or trimless

Joining system

ELECTRICAL
Factory-set adjustable output current electronic driver with 120-277V AC line input. Dimmable from at least 100%-5% with 0-10V control. Rated life (90% survivorship) of 50,000 hours at 50°C max. ambient (and 70°C max. case) temperature. Terminal block connections for easy service. At maximum driver load: Efficiency>84%, PF>0.9, THD<20%. Other specifiable options include Lutron Hi-Lume A (specify 2, 3 or 4 wires), EcoSystem H (100%-1%, fade-to-black) and EcoSystem 5 (100%-5%) dimmable drivers and DALI protocol drivers.

EMERGENCY
Factory installed long life high temperature recyclable Ni-Cad battery pack with test switch and charge indicator, minimum of 90 minutes operation, up to 1300 lumens (25°C) emergency lighting output. Recharge time of 24 hours.

MOUNTING OPTIONS
Recess mount into exposed or concealed T-Bar or Tegular grid ceiling
Mounting for drywall ceilings are available with visible trim, mud flange trim or trimless

Joining system
CONSTRUCTION

Housing - Extruded Aluminum (0.095" nominal) up to 90% Recycled Content
Interior brackets - Die formed cold rolled sheet steel 18 gauge thick
Joining system - Die cast Zinc (0.95" nominal) and die formed galvanized sheet 18 gauge
Reflectors - Flat rolled Aluminum sheet 0.040" thick precisely die formed, 95% reflective matte white painted
Mud flange - Extruded Aluminum (0.075" nominal) up to 90% Recycled Content
Slip-through bracket - Die formed galvanized sheet 18 gauge
End plate - Die formed cold rolled sheet steel 18 gauge thick

WEIGHT

Via 1.5 4ft - 7.16lbs - 3.25kg
Via 1.5 8ft - 14.32lbs - 6.5kg
Via 1.5 12ft - 21.48lbs - 9.75kg

CERTIFICATIONS

ETL - Rated for Dry/Damp locations. Conforms to UL Standard 1598 and certified to CAN/CSA Standard C22.2 No. 250.0.
Chicago plenum - City of Chicago Approved (CCEA)

WARRANTY

LumenWerx provides a five-year limited warranty of electrical and mechanical performance of the luminaires, including the LED boards, drivers, and auxiliary electronics. LumenWerx will repair or replace defective luminaires or components at our discretion, provided they have been installed and operated in accordance with our specifications. Other limitations apply, please refer to the full warranty on our website.

FINISH

Interior - 95%, reflective matte powder coated white paint
Exterior - matte white or silver powder coating.
Custom finishes are also available.

CONTROLS

LumenWerx offers several options for integrating occupancy and daylight controls into Via 1.5 luminaires. Wireless options incorporate a wireless controller/powerpack into the luminaire, which receives signals from a wireless sensor (by others) installed in the space. The advantages of the wireless option include greater flexibility of control options, sensor coverage and system integration.

Wireless

EnOcean Wireless Controller (EWC) provides both a power pack for presence detection control and a 0-10V interface for daylight harvesting. EnOcean wireless sensors (by others) mounted in the room signal the onboard EWC. This option permits manual on/automatic off (vacancy) control.

Lutron Motion Controller (LMC) and Daylight Controller (LDC) provide inputs to Ecosystem drivers. Compatible Lutron wireless motion and daylight sensors (by others) mounted in the room signal onboard LPC or LDC. This option permits manual on/automatic off (vacancy) control.
**DESCRIPTION**
Via 1.5 is the elegant, ultra-compact and flexible linear LED luminaire system for pendant, surface, and recessed or in-wall installation, whether as discrete luminaires, continuous runs, or patterns. Via 1.5 features numerous optical configurations, which are difficult to achieve in such a compact luminaire. See separate spec sheets for patterns and other available mountings.

**ORDER GUIDE**

<table>
<thead>
<tr>
<th>VIA1.5RV</th>
<th>HLO</th>
<th>LED</th>
</tr>
</thead>
<tbody>
<tr>
<td>LUMINAIRE ID</td>
<td>OPTICS</td>
<td>LIGHT SOURCE</td>
</tr>
<tr>
<td>VIA1.5RV - via 1.5&quot; recessed vertical</td>
<td>HLO - High-Efficiency Lambertian Optic</td>
<td>LED - high performance LED</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**LUMINAIRE LENGTH**

- Standard sections: 2', 3', 4', 5', 8' & 12'
- For all other specify length
- aFT - nominal length in feet
- aIN - length in inches
- Continuous Run - for luminaires over 12'
- Minimum Individual section 2'

<table>
<thead>
<tr>
<th>LUMINAIRE LENGTH</th>
<th>VOLTAGE</th>
<th>DRIVER</th>
<th>ELECTRICAL</th>
<th>MOUNTING</th>
<th>FINISH</th>
<th>CONTROLS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard sections</td>
<td>120 - 120V</td>
<td>D - dimming 0-10V</td>
<td>1 - 1 circuit</td>
<td>DTR - drywall trim</td>
<td>W - matte white</td>
<td>WIRELESS</td>
</tr>
<tr>
<td>277 - 277V</td>
<td>DA - Dali</td>
<td>+EB - emergency battery pack (for min 8' fixture)</td>
<td>DTL - drywall trimless</td>
<td>LMC - Lutron Motion Controller</td>
<td>CFe - custom finish specify RAL #</td>
<td></td>
</tr>
<tr>
<td>UNV - 120V-277V</td>
<td>LHL# - Lutron Hi-Lume A</td>
<td>+EM - emergency light circuit</td>
<td>DMF - drywall mud flange</td>
<td>LDC - Daylight Controller</td>
<td></td>
<td></td>
</tr>
<tr>
<td>347 - 347V</td>
<td>LEH - Lutron EcoSystem H</td>
<td>+NL - night light circuit</td>
<td>OHW - other wall (specify)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**OPTIONS**

- FU - fuse
- FWC - flexible whip cable (6' std)
- CP - Chicago Plenum
- CU - custom

**CROSS SECTION**

![CROSS SECTION Diagram](image)

**OPTICS**

HLO - High-efficiency Lambertian Optic

See page 2 for ordering code detailed information
OPTICS
HIGH EFFICIENCY LAMBERTIAN OPTIC (HLO) - matte white side reflectors combined with High-Efficiency Lambertian Optic (HLO) shielding of diffusing 0.075" thick acrylic with up to 88% transmission and good source obscuration. Luminaire brightness is controlled by the flux-to-shielding area ratio.

LIGHT SOURCE - LED
Custom linear array of mid-flux LED’s are cartridge-mounted with quick-connect wiring to facilitate service and thermal management. Available in 3000K, 3500K and 4000K with a minimum 80 CRI and an option for 90 CRI with elevated R9 value. Color consistency maintained to within 3 SDCM. LEDs operated at reduced drive current to optimize efficacy and lumen maintenance. All LEDs have been tested in accordance with IESNA LM-80-08 and the results have shown L80 lumen maintenance greater than 60,000 hours. Absolute product photometry is measured and presented in accordance with IESNA LM-79, unless otherwise indicated.

PERFORMANCE PER 4’ AT 4000K

<table>
<thead>
<tr>
<th>LED output</th>
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<th>Nominal Lumens</th>
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<tbody>
<tr>
<td>low output</td>
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<td>2000</td>
<td>81</td>
</tr>
<tr>
<td>high output</td>
<td>4000K</td>
<td>39</td>
<td>3000</td>
<td>79</td>
</tr>
</tbody>
</table>

LUMINAIRE LENGTH
Via 1.5 is made up of standard 2, 3, 4, 5, 8 and 12 foot sections that may be joined together to create longer continuous run lengths. Exact run length must be noted in the product code. The minimum individual section available is 2 foot. All individual sections are joined together onsite using the joiner kits provided. LumenWerx offers joiner kits that are extremely simple to work with in the field and result in a fixture that appears virtually seamless with no light leak at any connection.

ELECTRICAL
Factory-set adjustable output current electronic driver with 120-277V AC line input. Dimmable from at least 100%-5% with 0-10V control. Rated life (90% survivorship) of 50,000 hours at 50°C max. ambient (and 70°C max. case) temperature. Terminal block connections for easy service. At maximum driver load: Efficiency>84%, PF>0.9, THD<20%. Other specifiable options include Lutron Hi-Lume A (specify 2, 3 or 4 wires), EcoSystem H (100%-1%, fade-to-black) and EcoSystem 5 (100%-5%) dimmable drivers and DALI protocol drivers.

EMERGENCY
Factory installed long life high temperature recyclable Ni-Cad battery pack with test switch and charge indicator, minimum of 90 minutes operation, up to 1300 lumens (25°C) emergency lighting output. Recharge time of 24 hours.

MOUNTING OPTIONS
Recessed Wall Mounting for drywall is available with visible trim, mud flange trim or trimless.

Joining system for Via 1.5
WARRANTY
LumenWerx provides a five-year limited warranty of electrical and mechanical performance of the luminaires, including the LED boards, drivers, and auxiliary electronics. LumenWerx will repair or replace defective luminaires or components at our discretion, provided they have been installed and operated in accordance with our specifications. Other limitations apply, please refer to the full warranty on our website.

FINISH
Interior - 95%, reflective matte powder coated white paint
Exterior - matte white or silver powder coating.
Custom finishes are also available.

CONTROLS
LumenWerx offers several options for integrating occupancy and daylight controls into Via 1.5 luminaires. Wireless options incorporate a wireless controller/powerpack into the luminaire, which receives signals from a wireless sensor (by others) installed in the space. The advantages of the wireless option include greater flexibility of control options, sensor coverage and system integration.

Wireless
EnOcean Wireless Controller (EWC) provides both a power pack for presence detection control and a 0-10V interface for daylight harvesting. EnOcean wireless sensors (by others) mounted in the room signal the onboard EWC. This option permits manual on/automatic off (vacancy) control.

Lutron Motion Controller (LMC) and Daylight Controller (LDC) provide inputs to Ecosystem drivers. Compatible Lutron wireless motion and daylight sensors (by others) mounted in the room signal onboard LPC or LDC. This option permits manual on/automatic off (vacancy) control.

CONSTRUCTION
Housing - Extruded Aluminum (0.095” nominal) up to 90% Recycled Content
Interior brackets - Die formed cold rolled sheet steel 18 gauge thick
Joining system - Die cast Zinc (0.95” nominal) and die formed galvanized sheet 18 gauge
Reflectors - Flat rolled Aluminum sheet 0.040” thick precisely die formed, 95% reflective matte white painted
End plate - Die formed cold rolled sheet steel 18 gauge thick

WEIGHT
Via 1.5 4ft - 7.16lbs - 3.25kg
Via 1.5 8ft - 14.32lbs - 6.5kg
Via 1.5 12ft - 21.48lbs - 9.75kg

CERTIFICATIONS
ETL - Rated for Dry/Damp locations. Conforms to UL Standard 1598 and certified to CAN/CSA Standard C22.2 No. 250.0.
Chicago plenum - City of Chicago Approved (CCEA)
DESCRIPTION
Via 1.5 is the elegant, ultra-compact and flexible linear LED luminaire system for pendant, surface, and recessed or in-wall installation, whether as discrete luminaires, continuous runs, or patterns. Via 1.5 features numerous optical configurations, which are difficult to achieve in such a compact luminaire. See separate spec sheets for patterns and other available mountings.

ORDER GUIDE

LUMINAIRE ID | OPTICS | LIGHT SOURCE | CRI | LUMEN PACKAGES | COLOR TEMP.
--- | --- | --- | --- | --- | ---
VIA1.5S - via 1.5" surface | HLO - High-Efficiency Lambertian Optic | LED - high performance LED | 80 - 80CRI | 400 - low output 400lm/f | 30 - 3000k
| 90 - 90CRI (consult factory) | 500 - med. output 500lm/f | 35 - 3500k
| 750 - high output 750lm/f | 40 - 4000k

LUMINAIRE LENGTH | VOLTAGE | DRIVER | ELECTRICAL | MOUNTING | FINISH | CONTROLS
--- | --- | --- | --- | --- | --- | ---
Standard sections - 2', 3', 4', 5', 8' & 12'
For all other specify length
aFT - nominal length in feet
aIN - length in inches
Continuous Run - for luminaires over 12'
Minimum Individual section 2'
| 120 - 120V | D - dimming 0-10V | 1 - 1 circuit | GRD - grid ceiling | W - matte white | WIRELESS
| 277 - 277V | DA - Dali | +EB - emergency battery pack (for min 8' fixture) | DRC - drywall ceiling | AL - aluminum | EWC - EnOcean Wireless Controller
| 347 - 347V | LHL# - Lutron Hi-Lume A | +EM - emergency light circuit | OHC - other ceiling (specify) | CF# - custom finish spec RAL# | LM - Lutron Motion Controller
LEH - Lutron EcoSystem H
LE5 - Lutron EcoSystem 5
OTH - other (consult factory)

OPTIONS
FU - fuse
TB# - T-bar caddy clip specify grid size
TG# - Tegular caddy clip specify grid size
ST - Screw Slots caddy clip
CU - custom

See page 2 for ordering code detailed information
**OPTICS**

**HIGH EFFICIENCY LAMBERTIAN OPTIC (HLO)** - matte white side reflectors combined with High-Efficiency Lambertian Optic (HLO) shielding of diffusing 0.075" thick acrylic with up to 88% transmission and good source obscuration. Luminaire brightness is controlled by the flux-to-shielding area ratio.

**LIGHT SOURCE - LED**

Custom linear array of mid-flux LED’s are cartridge-mounted with quick-connect wiring to facilitate service and thermal management. Available in 3000K, 3500K and 4000K with a minimum 80 CRI and an option for 90 CRI with elevated R9 value. Color consistency maintained to within 3 SDCM. LEDs operated at reduced drive current to optimize efficacy and lumen maintenance. All LEDs have been tested in accordance with IESNA LM-80-08 and the results have shown L80 lumen maintenance greater than 60,000 hours. Absolute product photometry is measured and presented in accordance with IESNA LM-79, unless otherwise indicated.

**PERFORMANCE PER 4’ AT 4000K**

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<td>high output</td>
<td>4000K</td>
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<td>3000</td>
<td>79</td>
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</table>

**LUMINAIRE LENGTH**

Via 1.5 is made up of standard 2, 3, 4, 5, 8 and 12 foot sections that may be joined together to create longer continuous run lengths. Exact run length must be noted in the product code. The minimum individual section available is 2 foot. All individual sections are joined together onsite using the joiner kits provided. LumenWerx offers joiner kits that are extremely simple to work with in the field and result in a fixture that appears virtually seamless with no light leak at any connection.

**ELECTRICAL**

Factory-set adjustable output current electronic driver with 120-277V AC line input. Dimmable from at least 100%-5% with 0-10V control. Rated life (90% survivorship) of 50,000 hours at 50°C max. ambient (and 70°C max. case) temperature. Terminal block connections for easy service. At maximum driver load: Efficiency>84%, PF>0.9, THD<20%. Other specifiable options include Lutron Hi-Lume A (specify 2, 3 or 4 wires), EcoSystem H (100%-1%, fade-to-black) and EcoSystem 5 (100%-5%) dimmable drivers and DALI protocol drivers.

**EMERGENCY**

Factory installed long life high temperature recyclable Ni-Cad battery pack with test switch and charge indicator, minimum of 90 minutes operation, up to 1300 lumens (25°C) emergency lighting output. Recharge time of 24 hours.

**MOUNTING OPTIONS**

Fixtures can be mounted directly to T-Bar, drywall and hard surface ceilings, hardware supplied by others. Long runs require a minimum of 6” distance from the vertical wall.

**FINISH**

- **Interior** - 95%, reflective matte powder coated white paint
- **Exterior** - matte white or silver powder coating.

Custom finishes are also available.

**CONTROLS**

LumenWerx offers several options for integrating occupancy and daylight controls into Via 1.5 luminaires. Wireless options incorporate a wireless controller/powerpack into the luminaire, which receives signals from a wireless sensor (by others) installed in the space. The advantages of the wireless option include greater flexibility of control options, sensor coverage and system integration.

**Wireless**

- **EnOcean Wireless Controller (EWC)** provides both a power pack for presence detection control and a 0-10V interface for daylight harvesting. EnOcean wireless sensors (by others) mounted in the room signal the onboard EWC. This option permits manual on/automatic off (vacancy) control.
- **Lutron Motion Controller (LMC) and Daylight Controller (LDC)** provide inputs to Ecosystem drivers. Compatible Lutron wireless motion and daylight sensors (by others) mounted in the room signal onboard LPC or LDC. This option permits manual on/automatic off (vacancy) control.
CONSTRUCTION

Housing - Extruded Aluminum (0.095” nominal) up to 90% Recycled Content
Interior brackets - Die formed cold rolled sheet steel 18 gauge thick
Joining system - Die cast Zinc (0.95” nominal)
Reflectors - Flat rolled Aluminum sheet 0.040” thick precisely die formed, 95% reflective matte white painted
End caps - Die cast Aluminum (0.95” nominal)

WEIGHT

Via 1.5 4ft - 7.16lbs - 3.25kg
Via 1.5 8ft - 14.32lbs - 6.5kg
Via 1.5 12ft - 21.48lbs - 9.75kg

CERTIFICATIONS

ETL - Rated for Dry/Damp locations. Conforms to UL Standard 1598 and certified to CAN/CSA Standard C22.2 No. 250.0.

WARRANTY

LumenWerx provides a five-year limited warranty of electrical and mechanical performance of the luminaires, including the LED boards, drivers, and auxiliary electronics. LumenWerx will repair or replace defective luminaires or components at our discretion, provided they have been installed and operated in accordance with our specifications. Other limitations apply, please refer to the full warranty on our website.
**VIA 1.5 LED WALL DIRECT/INDIRECT**

**DESCRIPTION**

Via 1.5 is the elegant, ultra-compact and flexible linear LED luminaire system for pendant, surface, and recessed or in-wall installation, whether as discrete luminaires, continuous runs, or patterns. Via 1.5 features numerous optical configurations, which are difficult to achieve in such a compact luminaire. See separate spec sheets for patterns and other available mountings.

**ORDER GUIDE**

<table>
<thead>
<tr>
<th>VIA1.5WDI</th>
<th>HLO</th>
<th>LED</th>
<th>CRI</th>
<th>DIRECT LUMEN PACKAGES</th>
<th>INDIRECT LUMEN PACKAGES</th>
<th>COLOR TEMP.</th>
</tr>
</thead>
<tbody>
<tr>
<td>VIA1.5WDI</td>
<td>High-Efficiency Lambertian Optic</td>
<td>high performance LED</td>
<td>80 - 80CRI</td>
<td>400 - low output 400lm/f</td>
<td>500 - medium output 500lm/f</td>
<td>30 - 3000k</td>
</tr>
<tr>
<td>VIA1.5WDI</td>
<td>High-Efficiency Lambertian Optic</td>
<td>high performance LED</td>
<td>90 - 90CRI</td>
<td>500 - med. output 500lm/f</td>
<td>750 - high output 750lm/f</td>
<td>35 - 3500k</td>
</tr>
</tbody>
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**LUMINAIRE LENGTH**

<table>
<thead>
<tr>
<th>Length</th>
<th>Voltage</th>
<th>Driver</th>
<th>Electrical</th>
<th>Mounting</th>
<th>Finish</th>
<th>Controls</th>
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<tbody>
<tr>
<td>2'</td>
<td>120V</td>
<td>D</td>
<td>1 circuit</td>
<td>DMB</td>
<td>W</td>
<td>WIRELESS</td>
</tr>
<tr>
<td>3'</td>
<td>277V</td>
<td>DA</td>
<td>2 circuits</td>
<td>CMB</td>
<td>AL</td>
<td>EWC</td>
</tr>
<tr>
<td>4'</td>
<td>347V</td>
<td>LHL#</td>
<td>2 circuits</td>
<td>custom</td>
<td>CF#</td>
<td>LMC</td>
</tr>
<tr>
<td>5'</td>
<td>277V</td>
<td>LHL#</td>
<td>2 circuits</td>
<td>DMB</td>
<td>W</td>
<td>LDC</td>
</tr>
<tr>
<td>8'</td>
<td>347V</td>
<td>LHEH</td>
<td>2 circuits</td>
<td>CMB</td>
<td>AL</td>
<td></td>
</tr>
<tr>
<td>12'</td>
<td>277V</td>
<td>LEH</td>
<td>2 circuits</td>
<td>custom</td>
<td>CF#</td>
<td></td>
</tr>
</tbody>
</table>

**OPTIONS**

- FU - fuse
- DC - dust cover
- CU - custom

**PROJECT:**

- _______________________

**TYPE:**

- _______________________

**NOTES:**

- _______________________

See page 2 for ordering code detailed information
OPTICS

HIGH EFFICIENCY LAMBERTIAN OPTIC (HLO) - Matte white side reflectors combined with High-Efficiency Lambertian Optic (HLO) shielding of diffusing 0.075” thick acrylic with up to 88% transmission and good source obscuration. Luminaire brightness is controlled by the flux-to-shielding area ratio.

LIGHT SOURCE - LED

Custom linear array of mid-flux LED’s are cartridge-mounted with quick-connect wiring to facilitate service and thermal management. Available in 3000K, 3500K and 4000K with a minimum 80 CRI and an option for 90 CRI with elevated R9 value. Color consistency maintained to within 3 SDCM.

All LEDs have been tested in accordance with IESNA LM-80-08 and the results have shown L80 lumen maintenance greater than 60,000 hours. Absolute product photometry is measured and presented in accordance with IESNA LM-79, unless otherwise indicated.

PERFORMANCE PER 4’ AT 4000K

<table>
<thead>
<tr>
<th>LED output</th>
<th>Color Temp</th>
<th>Watts</th>
<th>Direct Lumens</th>
<th>Indirect Lumens</th>
<th>Total Nominal Lumens</th>
<th>Efficacy Lumens Per Watt</th>
</tr>
</thead>
<tbody>
<tr>
<td>low output</td>
<td>4000K</td>
<td>40</td>
<td>1600</td>
<td>2000</td>
<td>3600</td>
<td>94</td>
</tr>
<tr>
<td>medium output</td>
<td>4000K</td>
<td>46</td>
<td>2000</td>
<td>2000</td>
<td>4000</td>
<td>90</td>
</tr>
<tr>
<td>high output</td>
<td>4000K</td>
<td>60</td>
<td>3000</td>
<td>2000</td>
<td>5000</td>
<td>86</td>
</tr>
</tbody>
</table>

LUMINAIRE LENGTH

Via 1.5 is made up of standard 2, 3, 4, 5, 8 and 12 foot sections that may be joined together to create longer continuous run lengths. Exact run length must be noted in the product code. The minimum individual section available is 2 foot.

All individual sections are joined together onsite using the joiner kits provided. LumenWerx offers joiner kits that are extremely simple to work with in the field and result in a fixture that appears virtually seamless with no light leak at any connection.

Joining system for Via 1.5 Direct/Indirect

ELECTRICAL

Factory-set adjustable output current electronic driver with 120-277V AC line input. Dimmable from at least 100%-5% with 0-10V control. Rated life (90% survivorship) of 50,000 hours at 50°C max. ambient (and 70°C max. case) temperature. Terminal block connections for easy service. At maximum driver load: Efficiency>84%, PF>0.9, THD<20%. Other specifiable options include Lutron Hi-Lume A (specify 2, 3 or 4 wires), EcoSystem H (100%-1%, fade-to-black) and EcoSystem 5 (100%-5%) dimmable drivers and DALI protocol drivers.

EMERGENCY

Factory installed long life high temperature recyclable Ni-Cad battery pack with test switch and charge indicator, minimum of 90 minutes operation, up to 1300 lumens (25ºC) emergency lighting output. Recharge time of 24 hours.

MOUNTING OPTIONS

Fixtures may be horizontally mounted directly to the wall. For long runs, a minimum of 6” from adjacent walls is required.

FINISH

Interior - 95%, reflective matte powder coated white paint

Exterior - matte white or silver powder coating.

Custom finishes are also available.

CONTROLS

LumenWerx offers several options for integrating occupancy and daylight controls into Via 1.5 luminaires. Wireless options incorporate a wireless controller/powerpack into the luminaire, which receives signals from a wireless sensor (by others) installed in the space. The advantages of the wireless option include greater flexibility of control options, sensor coverage and system integration.

Wireless

EnOcean Wireless Controller (EWC) provides both a power pack for presence detection control and a 0-10V interface for daylight harvesting. EnOcean wireless sensors (by others) mounted in the room signal the onboard EWC. This option permits manual on/automatic off (vacancy) control.

Lutron Motion Controller (LMC) and Daylight Controller (LDC) provide inputs to EcoSystem drivers. Compatible Lutron wireless motion and daylight sensors (by others) mounted in the room signal onboard LPC or LDC. This option permits manual on/automatic off (vacancy) control.
CONSTRUCTION

**Housing** - Extruded Aluminum (0.095" nominal) up to 90% Recycled Content

**Interior brackets** - Die formed cold rolled sheet steel 18 gauge thick

**Joining system** - Die cast Zinc (0.95" nominal)

**Reflectors** - Flat rolled Aluminum sheet 0.040" thick precisely die formed, 95% reflective matte white painted

**End caps** - Die cast Aluminum (0.95" nominal)

WEIGHT

Via 1.5 4ft - 7.16lbs - 3.25kg
Via 1.5 8ft - 14.32lbs - 6.5kg
Via 1.5 12ft - 21.48lbs - 9.75kg

CERTIFICATIONS

**ETL** - Rated for Dry/Damp locations. Conforms to UL Standard 1598 and certified to CAN/CSA Standard C22.2 No. 250.0.

WARRANTY

LumenWerx provides a five-year limited warranty of electrical and mechanical performance of the luminaires, including the LED boards, drivers, and auxiliary electronics. LumenWerx will repair or replace defective luminaires or components at our discretion, provided they have been installed and operated in accordance with our specifications. Other limitations apply, please refer to the full warranty on our website.
**DESCRIPTION**

*Via 1.5* is the elegant, ultra-compact and flexible linear LED luminaire system for pendant, surface, and recessed or in-wall installation, whether as discrete luminaires, continuous runs, or patterns. *Via 1.5* features numerous optical configurations, which are difficult to achieve in such a compact luminaire. See separate spec sheets for patterns and other available mountings.

**ORDER GUIDE**

<table>
<thead>
<tr>
<th>LUMINAIRE ID</th>
<th>OPTICS</th>
<th>LIGHT SOURCE</th>
<th>CRI</th>
<th>LUMEN PACKAGES</th>
<th>COLOR TEMP.</th>
</tr>
</thead>
<tbody>
<tr>
<td>VIA1.5WD</td>
<td>HLO - High-Efficiency Lambertian Optic</td>
<td>LED - high performance LED</td>
<td>80 - 80CRI</td>
<td>400 - low output 400lm/f</td>
<td>30 - 3000k</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>90 - 90CRI (consult factory)</td>
<td>500 - med. output 500lm/f</td>
<td>35 - 3500k</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>750 - high output 750lm/f</td>
<td>40 - 4000k</td>
</tr>
</tbody>
</table>

**LUMINAIRE LENGTH**

- Standard sections: 2', 3', 4', 5', 8' & 12'
- For all other specify length
- #FT - nominal length in feet
- #IN - length in inches
- Continuous Run - for luminaires over 12'
- Minimum Individual section 2'

**VOLTAGE**

- 120 - 120V
- 277 - 277V
- UNV - 120V-277V
- 347 - 347V

**DRIVER**

- D - dimming 0-10V
- DA - Dali
- LHLe - Lutron Hi-Lume A
- LEH - Lutron EcoSystem H
- LE5 - Lutron EcoSystem 5
- OTH - other (consult factory)

**ELECTRICAL**

- 1 - 1 circuit
- #EB - emergency battery pack (for min 8’ fixture)
- #EM - emergency light circuit
- #NL - night light circuit

**MOUNTING**

- DMB - drywall mounting bracket
- CMB - custom mounting bracket

**FINISH**

- W - matte white
- AL - aluminum
- CF# - custom finish specify RAL #

**CONTROLS**

- WIRELESS
- EWC - EnOcean Wireless Controller
- LMC - Lutron Motion Controller
- LDC - Daylight Controller

**OPTIONS**

- FU - fuse
- CU - custom

See page 2 for ordering code detailed information

**CROSS SECTION**

- VIA1.5WD - wall
- HLO - High-efficiency Lambertian Optic

Shown with HLO optics
OPTICS
HIGH EFFICIENCY LAMBERTIAN OPTIC (HLO) - matte white side reflectors combined with High-Efficiency Lambertian Optic (HLO) shielding of diffusing 0.075” thick acrylic with up to 88% transmission and good source obscuration. Luminaire brightness is controlled by the flux-to-shielding area ratio.

LIGHT SOURCE - LED
Custom linear array of mid-flux LED’s are cartridge-mounted with quick-connect wiring to facilitate service and thermal management. Available in 3000K, 3500K and 4000K with a minimum 80 CRI and an option for 90 CRI with elevated R9 value. Color consistency maintained to within 3 SDCM. LEDs operated at reduced drive current to optimize efficacy and lumen maintenance.

All LEDs have been tested in accordance with IESNA LM-80-08 and the results have shown L80 lumen maintenance greater than 60,000 hours. Absolute product photometry is measured and presented in accordance with IESNA LM-79, unless otherwise indicated.

PERFORMANCE PER 4’ AT 4000K

<table>
<thead>
<tr>
<th>LED output</th>
<th>Color Temp</th>
<th>Watts</th>
<th>Nominal Lumens</th>
<th>Efficacy Lumens Per Watt</th>
</tr>
</thead>
<tbody>
<tr>
<td>low output</td>
<td>4000K</td>
<td>20</td>
<td>1600</td>
<td>85</td>
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<tr>
<td>medium output</td>
<td>4000K</td>
<td>26</td>
<td>2000</td>
<td>81</td>
</tr>
<tr>
<td>high output</td>
<td>4000K</td>
<td>39</td>
<td>3000</td>
<td>79</td>
</tr>
</tbody>
</table>

LUMINAIRE LENGTH
Via 1.5 is made up of standard 2, 3, 4, 5, 8 and 12 foot sections that may be joined together to create longer continuous run lengths. Exact run length must be noted in the product code. The minimum individual section available is 2 foot.

All individual sections are joined together onsite using the joiner kits provided. LumenWerx offers joiner kits that are extremely simple to work with in the field and result in a fixture that appears virtually seamless with no light leak at any connection.

ELECTRICAL
Factory-set adjustable output current electronic driver with 120-277V AC line input. Dimmable from at least 100%-5% with 0-10V control. Rated life (90% survivorship) of 50,000 hours at 50°C max. ambient (and 70°C max. case) temperature. Terminal block connections for easy service. At maximum driver load: Efficiency>84%, PF>0.9, THD<20%. Other specifiable options include Lutron Hi-Lume A (specify 2, 3 or 4 wires), EcoSystem H (100%-1%, fade-to-black) and EcoSystem 5 (100%-5%) dimmable drivers and DALI protocol drivers.

EMERGENCY
Factory installed long life high temperature recyclable Ni-Cad battery pack with test switch and charge indicator, minimum of 90 minutes operation, up to 1300 lumens (25°C) emergency lighting output. Recharge time of 24 hours.

MOUNTING OPTIONS
Fixtures may be horizontally mounted directly to the wall. For long runs, a minimum of 6” from adjacent walls is required.

FINISH
Interior - 95%, reflective matte powder coated white paint.
Exterior - matte white or silver powder coating.
Custom finishes are also available.

CONTROLS
LumenWerx offers several options for integrating occupancy and daylight controls into Via 1.5 luminaires. Wireless options incorporate a wireless controller/powerpack into the luminaire, which receives signals from a wireless sensor (by others) installed in the space. The advantages of the wireless option include greater flexibility of control options, sensor coverage and system integration.

Wireless
EnOcean Wireless Controller (EWC) provides both a power pack for presence detection control and a 0-10V interface for daylight harvesting. EnOcean wireless sensors (by others) mounted in the room signal the onboard EWC. This option permits manual on/automatic off (vacancy) control.

Lutron Motion Controller (LMC) and Daylight Controller (LDC) provide inputs to Ecosystem drivers. Compatible Lutron wireless motion and daylight sensors (by others) mounted in the room signal onboard LPC or LDC. This option permits manual on/automatic off (vacancy) control.
**CONSTRUCTION**

**Housing** - Extruded Aluminum (0.095" nominal) up to 90% Recycled Content  
**Interior brackets** - Die formed cold rolled sheet steel 18 gauge thick  
**Joining system** - Die cast Zinc (0.95" nominal)  
**Reflectors** - Flat rolled Aluminum sheet 0.040" thick precisely die formed, 95% reflective matte white painted  
**End caps** - Die cast Aluminum (0.95" nominal)

**WEIGHT**

Via 1.5 4ft - 7.16lbs - 3.25kg  
Via 1.5 8ft - 14.32lbs - 6.5kg  
Via 1.5 12ft - 21.48lbs - 9.75kg

**CERTIFICATIONS**

**ETL** - Rated for Dry/Damp locations. Conforms to UL Standard 1598 and certified to CAN/CSA Standard C22.2 No. 250.0.

**WARRANTY**

LumenWerx provides a five-year limited warranty of electrical and mechanical performance of the luminaires, including the LED boards, drivers, and auxiliary electronics. LumenWerx will repair or replace defective luminaires or components at our discretion, provided they have been installed and operated in accordance with our specifications. Other limitations apply, please refer to the full warranty on our website.
VIA 1.5 LED

DESCRIPTION
Via 1.5 is the elegant, ultra-compact and flexible linear LED luminaire system for pendant, surface, and recessed or in-wall installation, whether as discrete luminaires, continuous runs, or patterns. Via 1.5 features numerous optical configurations, which are difficult to achieve in such a compact luminaire. See separate spec sheets for patterns and other available mountings.

ORDER GUIDE

VIA1.5WI  NO  LED

LUIMAIRE ID  OPTICS  LIGHT SOURCE  CRI  UP LUMEN PACKAGES  COLOR TEMP.  LUMINAIRE LENGTH  VOLTAGE
VIA1.5WI - via 1.5" wall indirect  NO - no optics  LED - high performance LED  80 - 80CRI  90 - 90CRI (consult factory)  500 - low output 500lm/f  750 - medium output 750lm/f  30 - 3000k  35 - 3500k  40 - 4000k  Standard sections - 2', 3', 4', 5', 8' & 12'  For all other specify length  #FT - nominal length in feet  #IN - length in inches  Continuous Run - for luminaires over 12' Minimum Individual section 2'

DRIVER  ELECTRICAL  MOUNTING  FINISH  CONTROLS  OPTIONS
D - dimming 0-10V  1 - 1 circuit  DMB - drywall mounting bracket  W - matte white  WIRELESS  FU - fuse  DA - Dali  • #EB - emergency battery pack (for min 8' fixture)  • #EM - emergency light circuit  CMB - custom mounting bracket  CE - EnOcean Wireless Controller  LHL# - Lutron Hi-Lume A  • #NL - night light circuit  LEH - Lutron EcoSystem H  OTH - other (consult factory)  LE5 - Lutron EcoSystem 5  N - aluminum  OTH - other (consult factory)  OTH - other (consult factory)  CF# - custom finish specify RAL#  EWC - Lutron Motion Controller  WIRELESS  EWC - EnOcean Wireless Controller  LDC - Daylight Controller  LDC - Daylight Controller  LDC - Daylight Controller  LM5 - Lutron EcoSystem 5  M - matte white  LF - Lutron Hi-Lume F  N - night light circuit  L - lead in wire  LDC - Daylight Controller  CU - custom  LEH - Lutron EcoSystem H

CROSS SECTION

See page 2 for ordering code detailed information
**LIGHT SOURCE - LED**
Custom linear array of mid-flux LED’s are cartridge-mounted with quick-connect wiring to facilitate service and thermal management. Available in 3000K, 3500K and 4000K with a minimum 80 CRI and an option for 90 CRI with elevated R9 value. Color consistency maintained to within 3 SDCM. LEDs operated at reduced drive current to optimize efficacy and lumen maintenance. All LEDs have been tested in accordance with IESNA LM-80-08 and the results have shown L80 lumen maintenance greater than 60,000 hours. Absolute product photometry is measured and presented in accordance with IESNA LM-79, unless otherwise indicated.

**PERFORMANCE PER 4’ AT 4000K**

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<tr>
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<th>Nominal Lumens</th>
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<tbody>
<tr>
<td>low output</td>
<td>4000K</td>
<td>20</td>
<td>2000</td>
<td>101</td>
</tr>
<tr>
<td>medium output</td>
<td>4000K</td>
<td>32</td>
<td>3000</td>
<td>96</td>
</tr>
</tbody>
</table>

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**EMERGENCY**
Factory installed long life high temperature recyclable Ni-Cad battery pack with test switch and charge indicator, minimum of 90 minutes operation, up to 1300 lumens (25°C) emergency lighting output. Recharge time of 24 hours.

**MOUNTING OPTIONS**
Fixtures may be horizontally mounted directly to the wall. For long runs, a minimum of 6” from adjacent walls is required.

**FINISH**
Interior - 95%, reflective matte powder coated white paint
Exterior - matte white or silver powder coating.
Custom finishes are also available.

**CONTROLS**
LumenWerx offers several options for integrating occupancy and daylight controls into Via 1.5 luminaires. Wireless options incorporate a wireless controller/powerpack into the luminaire, which receives signals from a wireless sensor (by others) installed in the space. The advantages of the wireless option include greater flexibility of control options, sensor coverage and system integration.

- **Wireless**
  - EnOcean Wireless Controller (EWC) provides both a power pack for presence detection control and a 0-10V interface for daylight harvesting. EnOcean wireless sensors (by others) mounted in the room signal the onboard EWC. This option permits manual on/automatic off (vacancy) control.
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**CONSTRUCTION**
- **Housing** - Extruded Aluminum (0.095” nominal) up to 90% Recycled Content
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