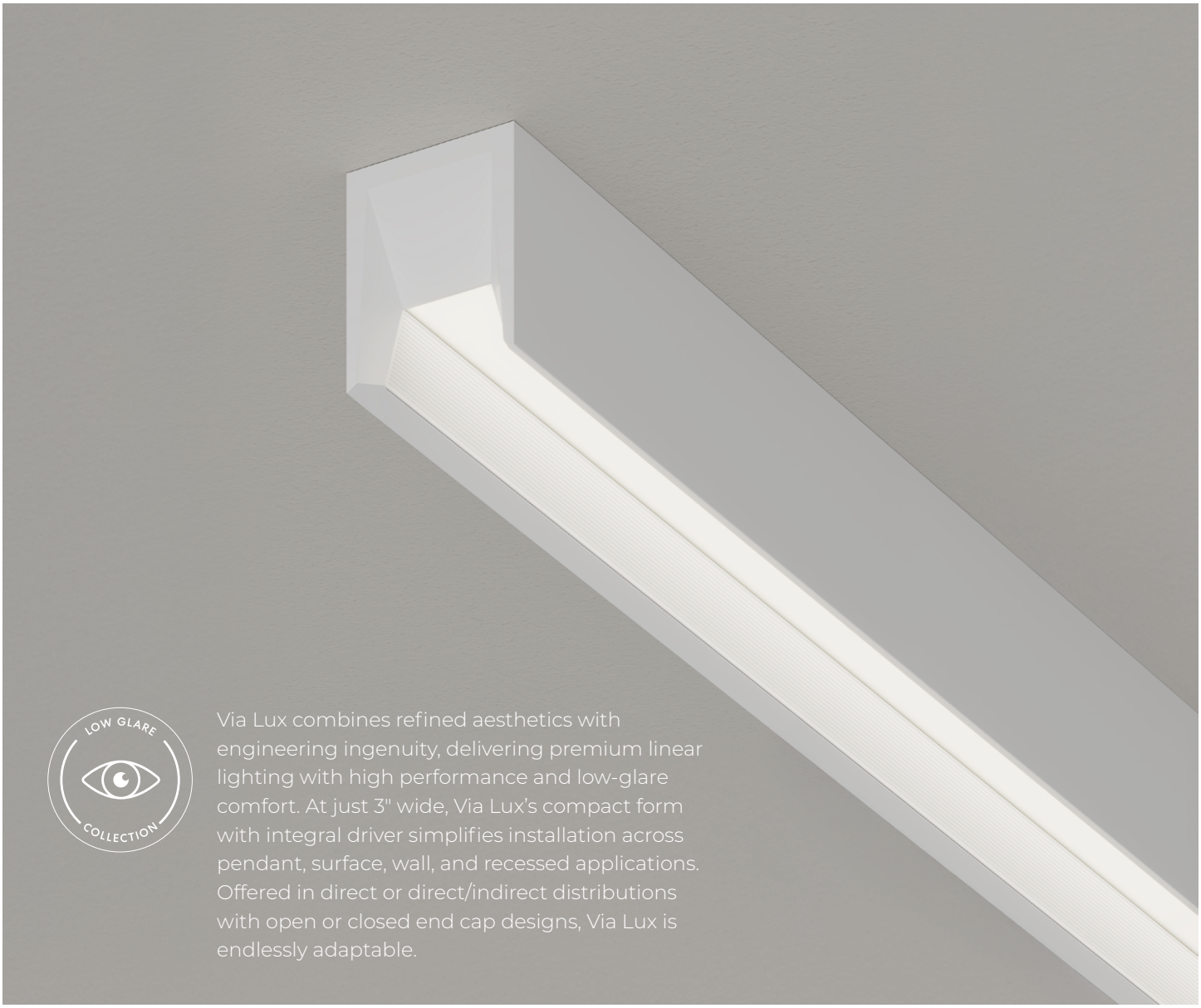
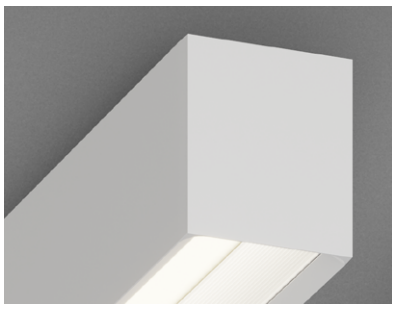
VIA LUX
SURFACE
DIRECT

Lumenwerx



LOW GLARE COLLECTION

Via Lux combines refined aesthetics with engineering ingenuity, delivering premium linear lighting with high performance and low-glare comfort. At just 3" wide, Via Lux's compact form with integral driver simplifies installation across pendant, surface, wall, and recessed applications. Offered in direct or direct/indirect distributions with open or closed end cap designs, Via Lux is endlessly adaptable.



CLOSED END CAP

OPEN END CAP

5 YEAR WARRANTY 5 YEAR WARRANTY

Brochure

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Project: _____

_____

Type: _____

Order Guide

LUMINAIRE ID	DISTRIBUTION	OPTIC	LIGHT SOURCE	CRI	LUMEN PACKAGE
VLUXS	**D**	**HLO**	**SW**		
VLUXS - Via Lux Surface	**D** - Direct	**HLO** - High-Efficiency Lambertian Optic	**SW** - Static white	**80CRI** - 80+ CRI **90CRI** - 90+ CRI	**350LMF** - Low output 350 lm/ft **500LMF** - Medium output 500 lm/ft **750LMF** - High output 750 lm/ft **1000LMF** - Ultra high output 1000 lm/ft

COLOR TEMP.	LUMINAIRE LENGTH	VOLTAGE	DRIVER	ELECTRICAL
27K - 2700K **30K** - 3000K **35K** - 3500K **40K** - 4000K **50K** - 5000K	**#FT#IN** - Specify nominal length (#) in 1' and/or 1" increments **Standard nominal lengths:** Single units: 2' to 8' Continuous runs: lengths over 8'	**120V** - 120V **277V** - 277V **UNV** - 120V-277V **347V** [1] - 347V [1] Available with D1 driver only.	**D1** - 1% 0-10V **ELV** [2] - ELV 120V **TRI** [2] - TRIAC 120V **DA** [3] - DALI **LDE1** [3] - Lutron Hi-lume 1% Eco **ELD1** - eldoLED 1% ECOdrive 0-10V **ELD0** - eldoLED 0.1% SOLOdrive 0-10V [2] Available with 120V only. [3] On-site commissioning is required.	**1C** - 1 circuit **#MC** [4] - Multi circuit **EC** - Emergency-powered fixture **NL** - Night light fixture **DL** - Daylight fixture **GTD** [5,6] - Generator transfer device fixture [4] Specify total number of circuits (#), including any required for electrical section options. Provide drawing or layout specifications. Minimum 4' section per circuit. [5] Minimum 4' fixture. [6] Not available with 347V.

ELECTRICAL SECTIONS (optional) [7,8]	MOUNTING	FINISH	END CAP	OPTION
#EC## [9] - Emergency-powered section **#NL## [9]** - Night light section **#DL## [9]** - Daylight section **#GTD## [9,10,11]** - Generator transfer device section **#EMB [11,12]** - Emergency battery **NA** - None [7] Specify with multi circuit (#MC) electrical option only. [8] Provide drawing or layout specifications. Consult factory for other configurations. Default section length is 4'. [9] Specify quantity (#), and section length in inches (##). [10] Minimum 4' section. [11] Not available with 347V. [12] Specify quantity (#). All batteries will be on the same circuit. Each battery powers a 4' section.	**DRC** - Drywall ceiling **GRD** - Grid ceiling **SLT** - Wood slat ceiling bracket	**W** - Matte white **AL** - Aluminum **B** - Matte black **CF#** - Custom finish, specify RAL#	**CO** - Closed **OP** - Open	**FU120** - Fuse 120V **FU277** - Fuse 277V **NA** - None

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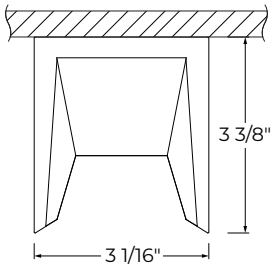
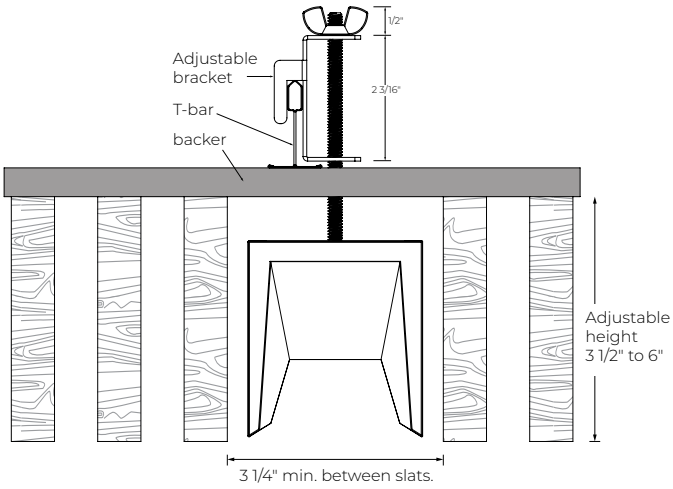
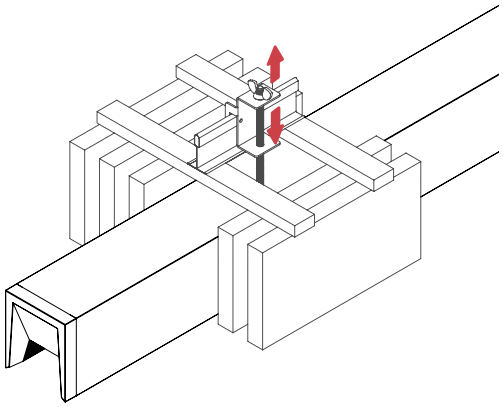
Dimensions

DTR - Drywall ceiling



SLT - Wood slat ceiling bracket

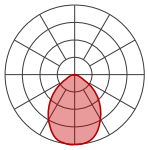




Photometrics

Values calculated based on a 4' fixture at 3500K for all optics.

HLO



LM/FT	W/FT	LM/W
350	3.5	99
500	5.2	96
750	8.3	91
1000	11.7	86

MULTIPLIER TABLES

Use this table to get results for different color temperatures for all photometric tables.

CCT	WATTS 80+ CRI/90+ CRI	LPW 80+ CRI/90+ CRI
2700K	1.05	0.95
3000K	1.02	0.98
3500K	1.00	1.00
4000K	1.00	1.00
5000K	0.96	1.04

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Technical Specifications

OPTIC

High-Efficiency Lambertian Optic (HLO)
The High-Efficiency Lambertian Optic (HLO) uses matte white reflectors to distribute LED output across 0.075" acrylic shielding, providing up to 88% transmission and good obscuration. Available as a flush lens or as a drop lens, the HLO has a spacing criterion of 1.10.

LIGHT SOURCE

Custom linear array of mid-flux LEDs are cartridge-mounted with quick-connect wiring to facilitate service and thermal management. Available in 2700K, 3000K, 3500K, 4000K, and 5000K 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.

LUMINAIRE LENGTH

Via Lux is available in standard lengths of 2' to 8'. Continuous runs are available for run lengths over 8'. Exact run length must be noted in the product code. The minimum length is 2', and can be ordered in 1' and/or 1" increments. 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 LED driver with universal (120-277 VAC) input. Dimmable from 100% to 1% with 0-10V dimming control. Rated life (90% survivorship) of 50,000 hours at 50°C max. ambient (and 70°C max. case) temperature. At maximum driver load: Efficiency>84%, PF>0.9, THD<20%. Other specifiable options include Lutron Hi-Lume 1% Eco, eldoLED 1% ECOdrive 0-10V, eldoLED 0.1% SOLOdrive 0-10V, ELV, TRIAC, and DALI protocol drivers. All of our standard 0-10V drivers are NEMA 410 compliant. ELV and TRI dimming performance (including minimum dimming percentage) subject to dimmer selection.

PoE
Depending on the PoE manufacturer selected, Lumenwerx will install the node in factory as either integral to the luminaire or as a remote module. Factory programming of the PoE node may or may not enable the following functionalities: lumen package, DUO (tunable white), QUADRO (RGBW), emergency battery backup, and sensor integration. These must be addressed and evaluated on a case-by-case basis.

ELECTRICAL SECTION OPTIONS

Electrical section options are available for fixtures specified as multi circuit (#MC). With MC, specify the total number of circuits (#), including any circuits required for optional electrical sections. A drawing is required to specify the layout. Please consult factory for custom configurations.

Electrical sections
Options include emergency-powered (#EC##), night light (#NL##), daylight (#DL##), and generator transfer device (#GTD##) sections. Specify the quantity (#), as well as the section length in inches (##).

Example 1: A 32' Direct fixture with two 8' emergency-powered sections on a second circuit.
Code: 2MC-2EC96

Example 2: A 24' Direct fixture with one 4' generator transfer device section.
Code: 1MC-1GTD48

Battery
Each emergency battery (#EMB) powers a 4' section. All batteries will be on the same circuit. Specify the number of batteries (#) required.
Factory installed long life, high temperature, maintenance-free Lithium-Ion battery pack with self-test functionality, test switch and charge indicator. Minimum of 90 minutes operation, up to 1000 lumens per 4' (25°C) emergency lighting output and recharge time of 24 hours.

MOUNTING

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

FINISH

Interior: 95%, reflective matte powder coated white paint
Exterior: Matte white, matte black, or aluminum powder coating. Custom finishes are also available.

CONSTRUCTION

Housing: Extruded aluminum, up to 90% recycled content
Interior brackets: Die-formed cold rolled sheet steel
Joining system: Die-cast zinc
Reflectors: Die-formed cold rolled steel, 95% reflective matte white painted
Lens: Acrylic
End caps: Die-cast aluminum

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WEIGHT
4': 10.58 lbs - 4.8 kg
8': 21.38 lbs - 9.7 kg

CERTIFICATION
ETL: Rated for indoor 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 on 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.

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