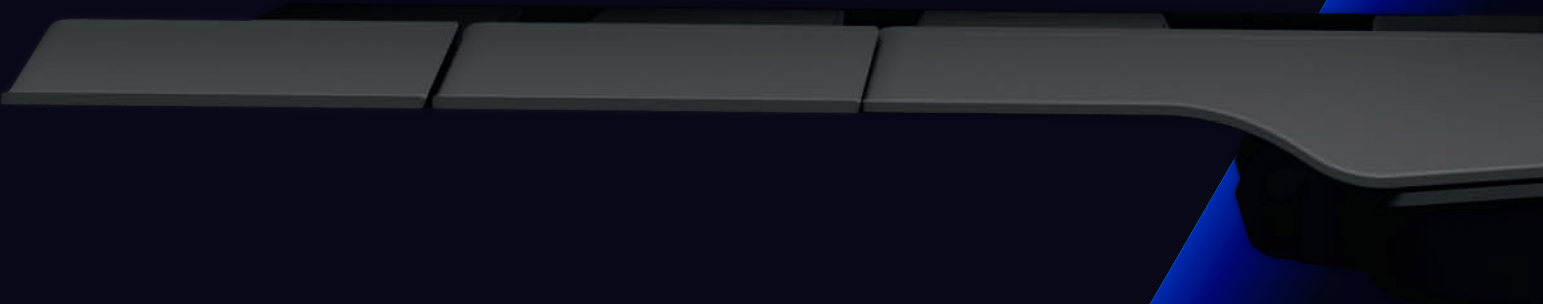


# V-MAX™

The new shape of streetlighting



REGISTERED EUROPEAN DESIGN / PATENTED DESIGN



**HOLOPHANE®**  
An Acuity Brands Company



NEW  
**V-MAX**™

CHALLENGE  
THE CONVENTIONAL

# V-MAX™ NO COMPROMISE REQUIRED

# STREET V-MAX™

Introducing the all new V-MAX™, Holophane's most comprehensive streetlighting solution to date. Combining market leading features, the latest LED-technologies and exceptional optical performance; V-MAX delivers the most competitive whole-life streetlighting solution.

Retaining the unique patented design, inspired by the original award winning formula, V-MAX once again redefines what a marketing-leading road lighting lantern should be.

For over 125 years Holophane has enjoyed an enviable reputation throughout the world for expertise, quality and innovation in Lighting. From the earliest days, when the company pioneered its famous glass refractor, the Holophane name has been ever present as a leader in the field of luminaire and lighting design.





V-MAX is a continuation of this proud tradition and builds on our heritage of designing luminaires with exceptional optical performance and thermal management which fused together delivers a solution that is future-proof and fully serviceable.

**TM66 CEAM Make Rating** | Preliminary Rating: 2.8 (Excellent circularity).

**Approvals** | Complies with BS EN 60598:2020



For further information please visit the Holophane website [www.holophane.co.uk](http://www.holophane.co.uk)

-  Highways
-  Main Roads
-  Residential Roads
-  Footpaths



# THE RANGE



V-MAX V1

Lumen Output: up to 9,000lms  
 Power Range: 12W-76W  
 Lm/W: up to 167lm/W  
 Weight: 6.3kg  
 Windage: 0.03m<sup>2</sup>  
 Applications:  
 Residential and Minor Roads



V-MAX V2

Lumen Output: up to 19,000lms  
 Power Range: 41W-152W  
 Lm/W: up to 176lm/W  
 Weight: 7.8kg  
 Windage: 0.033m<sup>2</sup>  
 Applications:  
 Minor and Major Roads



V-MAX V3

Lumen Output: up to 29,000lms  
 Power Range: 84W-223W  
 Lm/W: up to 176lm/W  
 Weight: 8.8kg  
 Windage: 0.036m<sup>2</sup>  
 Applications: Main Roads



V-MAX V4

Lumen Output: up to 39,000lms  
 Power Range: 117W-298W  
 Lm/W: up to 175lm/W  
 Weight: 10.5kg  
 Windage: 0.039m<sup>2</sup>  
 Applications:  
 Main Roads and Dual Carriageways



V-MAX V5

Lumen Output: up to 50,000lms  
 Power Range: 163W-345W  
 Lm/W: up to 178lm/W  
 Weight: 11.9kg  
 Windage: 0.042m<sup>2</sup>  
 Applications:  
 Dual Carriageways and Highways



V-MAX V6

Lumen Output: up to 54,000lms  
 Power Range: 241W-411W  
 Lm/W: up to 180lm/W  
 Weight: 13.3kg  
 Windage: 0.045m<sup>2</sup>  
 Applications:  
 Highways and High-Mast

V-MAX's patented modular design allows for a versatile luminaire system that can meet the demands for a range of challenging applications.

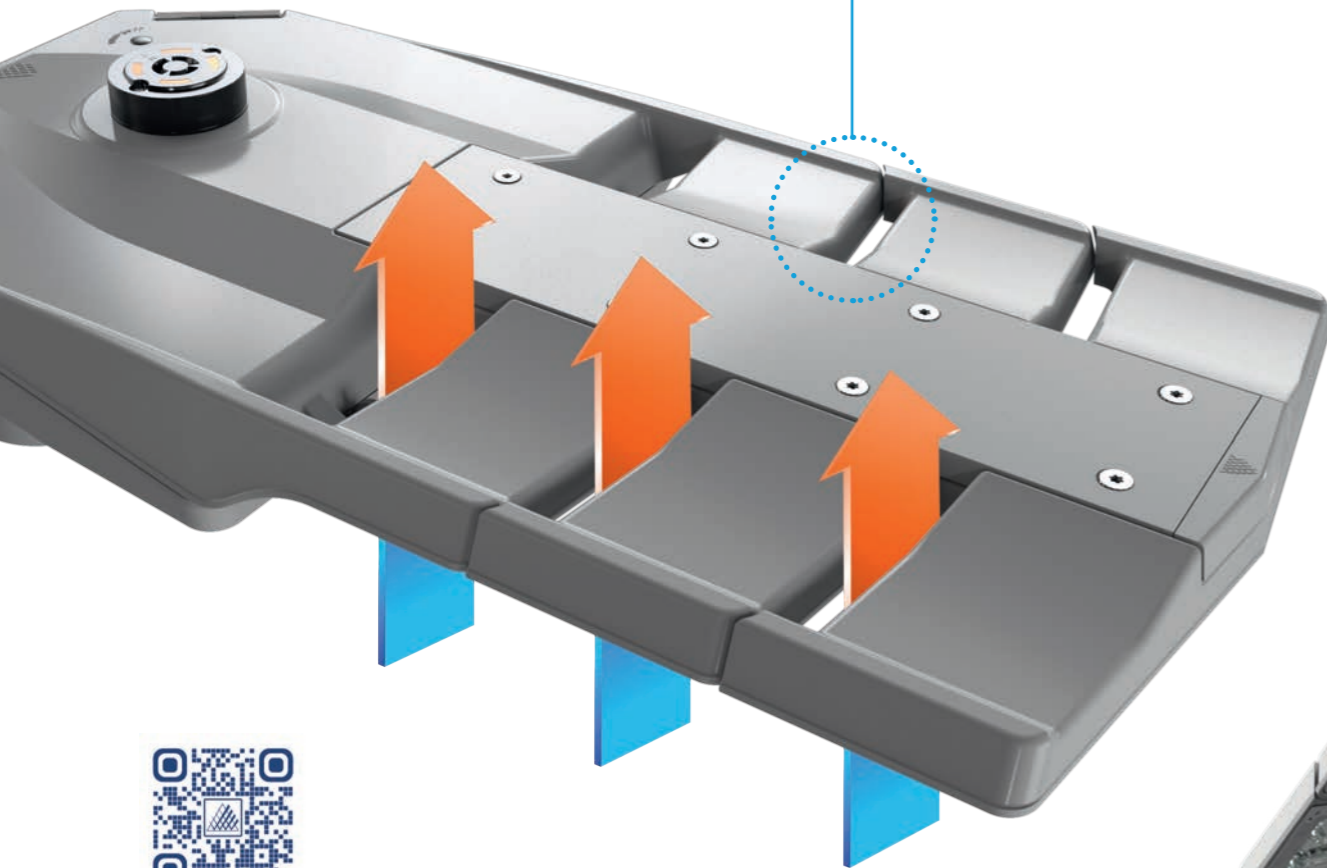
Ranging from lumen outputs from 2,000 to 54,000 lumens in sizes V1 to V6, V-MAX gives you the flexibility to light residential roads to major highways.

# OVERVIEW +FEATURES

## Patented Modular Design

Retaining the unique patented design, inspired by the original award winning formula.

The new V-MAX has a modular design that has been developed with an approach that subdivides the luminaire system into individual modules (LED Chevrons) that are fully scalable, maintainable and upgradeable.



For a full, in-depth video, highlighting all of the new V-MAX's features please scan the QR code.

\*IK10 is achieved with optional polycarbonate optics.

IK07/10\*

IP69

up to  
180  
lm/W

## Transition Zone

The transition zone acts as an intermediary luminous area between the brighter LEDs and the darker surfaces surrounding the luminaire. This cascade of contrast ratios drastically reduces the perception of glare and provides a softer appearance to the light source.

## Class Leading Optics

The new V-MAX is available with a large range of optical distributions that have been designed to suit a wide range of roadway classes from Residential through to Highways applications. Delivering both lighting efficiency and quality.

As standard V-MAX uses PMMA optics but are optionally available in Polycarbonate to achieve and IK10 rating.

## Installer Friendly Features

The new V-MAX has been designed from the ground-up with installers in mind. From the innovative hinge system, tool-less entry and other integrated safety features, V-Max ensures a fast, efficient and safe installation.

## Latest LED Technologies

The new V-MAX has been designed with the latest in efficient High-power LED Technologies.

V-MAX is available in two LED variants:

### LA (single-die LED)

- Best optical control
- High Lm/W
- High lumen output

### LB (multi-die LED)

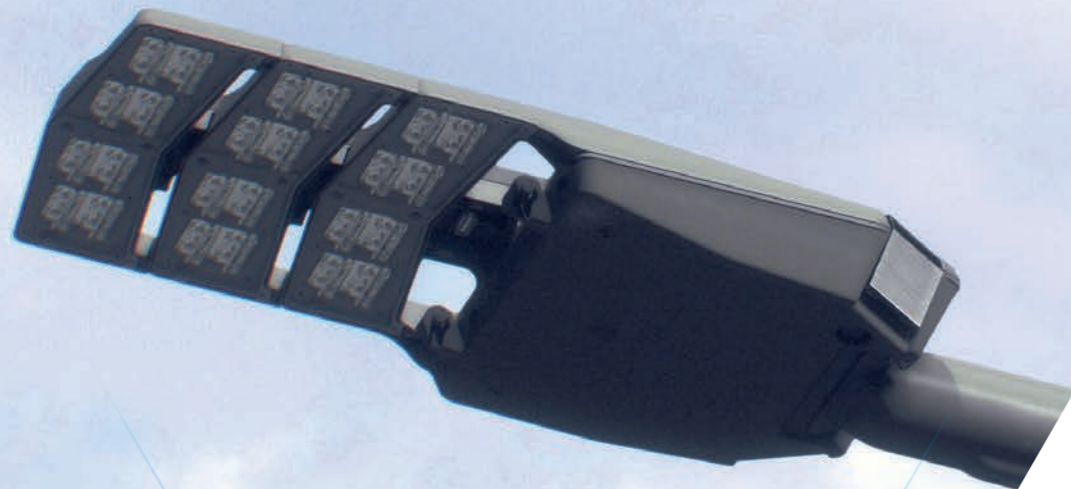
- Good optical control
- Highest Lm/W
- Highest lumen output

# OPTICS

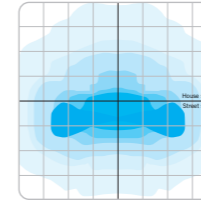
V-MAX is available with a selection of optimised optical distributions in order to achieve the best-in-class spacings, lighting performance and energy efficiencies across all roadway classes.

Additionally, V-MAX is approved under the International Dark-Sky Association's 'Fixture Seal of Approval' program.

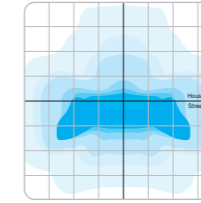
Note: colour temperatures 3000K or warmer are approved under the IDA.



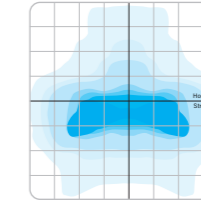
## LA OPTICS



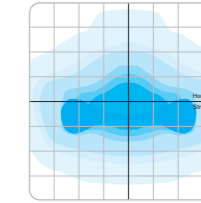
F4L2 Type II Short  
Glare Class: G3



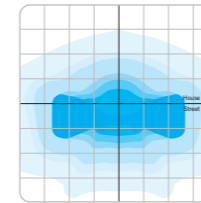
L2L3 Type II Short  
Glare Class: G3



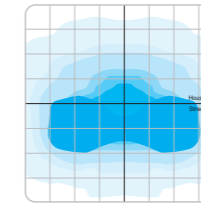
L2L4 Type II Short  
Glare Class: G3



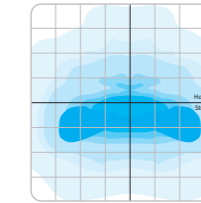
L2Q1 Type II Short  
Glare Class: G3



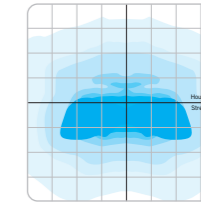
L3Q1 Type II Short  
Glare Class: G3



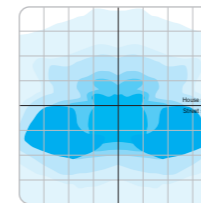
F4Q1 Type III Short  
Glare Class: G4



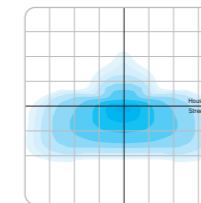
X2L2 Type III Short  
Glare Class: G3



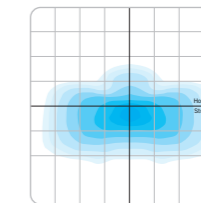
X2L3 Type III Short  
Glare Class: G3



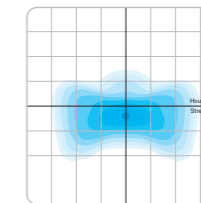
D4D4 Type III Medium  
Glare Class: G3



L5L5 Type III Medium  
Glare Class: G3

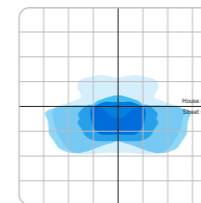


L3L4 Type II Short  
Glare Class: G4

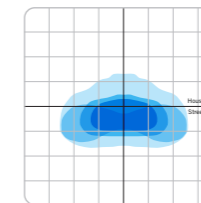


L4L4 Type II Very Short  
Glare Class: G6

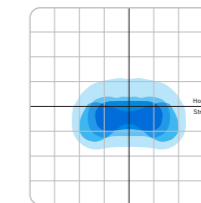
## LB OPTICS



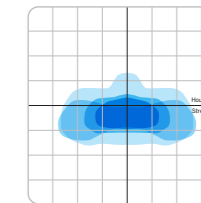
D4D4 Type III Short  
Glare Class: G4



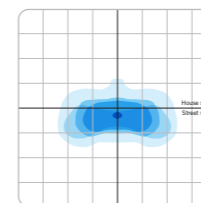
F4L2 Type III Short  
Glare Class: G4



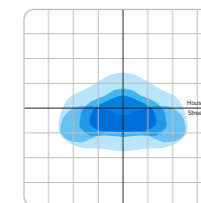
F4L4 Type II Short  
Glare Class: G6



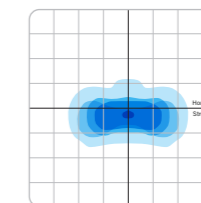
L2L3 Type II Short  
Glare Class: G4



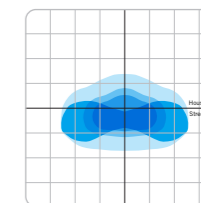
L2L4 Type II Short  
Glare Class: G6



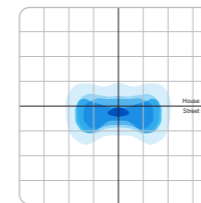
L2Q1 Type II Short  
Glare Class: G4



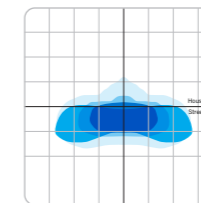
L3L4 Type II Short  
Glare Class: G6



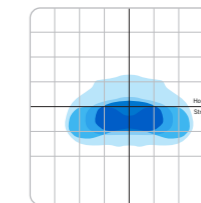
L3Q1 Type II Short  
Glare Class: G4



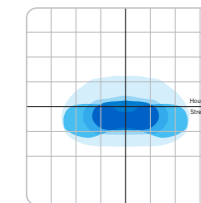
L4L4 Type II Short  
Glare Class: G6



L5L5 Type III Short  
Glare Class: G3



X2L2 Type II Short  
Glare Class: G4



X2L3 Type II Short  
Glare Class: G4

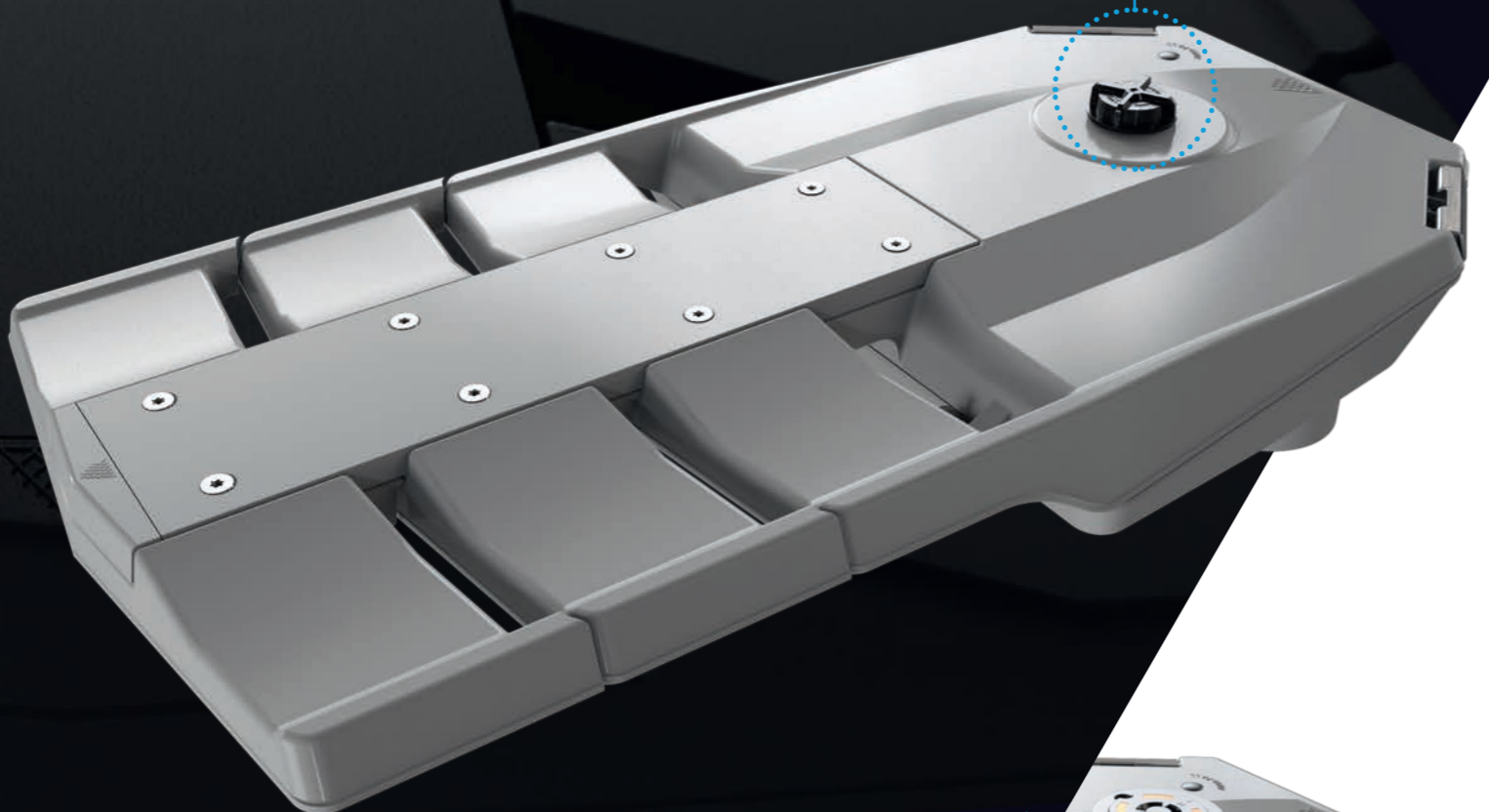
# CONNECTED SOLUTIONS

V-MAX comes prepared for the next generation of controls solutions and technologies.

Available with either NEMA or ZD4i compliant Zhaga sockets, V-MAX can be utilised with a wide range of sensors, devices and communication nodes.

Available with:

- 3, 5 or 7-pin NEMA Sockets
- 4-pin Zhaga sockets (top and bottom)
- 7-pin NEMA and 4-pin Zhaga combination



V-MAX with 7-pin NEMA configuration ▶



**axora™**  
connect to innovate

Enabling smart lighting, the smart town, the smart city.

axora™ enables intelligent lighting and connected infrastructure leveraging next generation connectivity that delivers a solution that integrates wireless networking connectivity and the power of cloud computing to ensure that energy and operational savings are maximised.

**A simple solution for small to large challenges**

**simple:**

axora™ delivers advanced asset management, performance analytics and control capabilities to improve energy efficiency, operational insights and optimise lighting system performance across a city.

**From local to city-wide deployments**

**scalable:**

axora™ is a highly scalable system that can adapt and expand to the needs and requirements of your lighting network as it grows. From local to city-wide deployments and beyond are all within the capability of the axora solution.

**A platform you can trust. Proven reliability and security for your city**

**secure:**

In 2017 Holophane selected Itron as its technical partner to enable the axora solution. This was based on Itron's global experience and the technical performance of the platform, which leads the market in terms of energy saving, security, resilience, flexibility and vendor choice.

Itron are a global leader in connected intelligent street lighting, and the platform is used to connect over 4 million lights globally in 100s of communities. These partnerships deliver the smart foundation that enables local authorities to build out an anchor application of streetlight control using a robust and class leading mesh radio network, whilst providing the scope and technology to add in further sensors types and SMART City devices.

axora™ incorporates end to end security using industry standard AES-256 encryption and scalable X.509 public key infrastructure you can be sure that your city data and communications are always secure.

axora is Elexon approved.

1

**axora.Connect**

axora.Connect: smart photocells are placed on existing lighting points in your city. Every smart photocell contributes to the creation of a wireless canopy, the foundation of your smart-city.



2

**axora.Access**

axora.Access is the gateway for your axora.Connect: Smart devices. It actively manages the communication between all devices on the axora network and sends information to the axora.Vision platform.



3

**axora.Vision**

axora.Vision is the platform that controls and monitors your smart-city. It provides data analytics and insights for every lighting asset, smart sensor and device on the axora network.



# INTEGRATED TECHNOLOGIES: CCTV

Looking to combine your lighting and CCTV assets into one complete package? V-MAX has been designed with CCTV integration in mind, allowing areas to be not only lit, but also monitored for increased user safety.

## Benefits of a integrated CCTV solution

- Reduced need for additional components attached to column.
- Wireless solution means CCTV can be easily integrated into existing sites without need for new cabling.
- Light source is directly above camera to achieve best performance of CCTV

## Camera Specification Overview

- Static camera with Pan: 0°–353°, Tilt: 0°–70°, Rotation: 0°–176°
- Up to 20m Smart IR Illumination
- 25FPS at 5-megapixel quality (2.8mm fixed lens)
- Deep Learning Motion Detection
- Alarm & Audio I/O
- ONVIF Profile S Compliant
- IP66 & IK10 rated

# CONNECTIVITY OPTIONS



## 4G(LTE)/3G

Using an integral cellular router, CCTV data can be transmitted via the use of a SIM card.



## WiFi 802.11 b/g/n

The integral router has the ability to transmit data via a WiFi connection to an existing wireless network.



## Ethernet

For a direct connection an Ethernet cable can be run into the V-MAX to connect into the integral router.





# INSTALLATION MAINTENANCE

## Spigot Adapters

V-MAX is available with a range of spigot adapters to meet different installation requirements. All spigot adapters have the ability to be rotated so that they can be used in Post-top or Side-entry configuration.

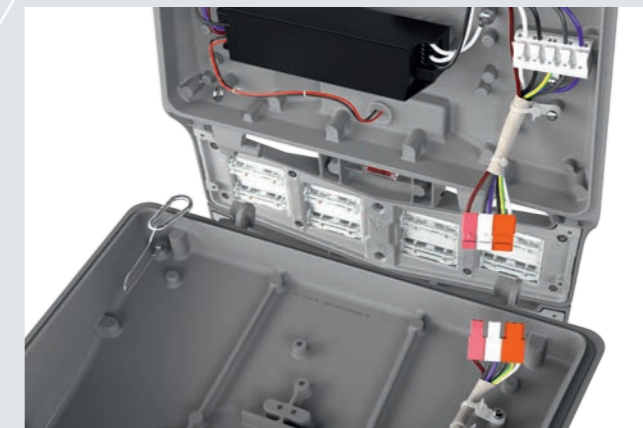
For V-MAX configurations using 3 Chevrons or more a strengthened spigot adapter is used for increased safety.



To see any of the features highlighted on this page in action, scan the QR code.

## Removable head

The new V-MAX features an innovative design that allows easy removal of the luminaire head. Through a unique hinge system users can quickly and efficiently disconnect and remove the head without the use of tools.



## Tilt Adjustment

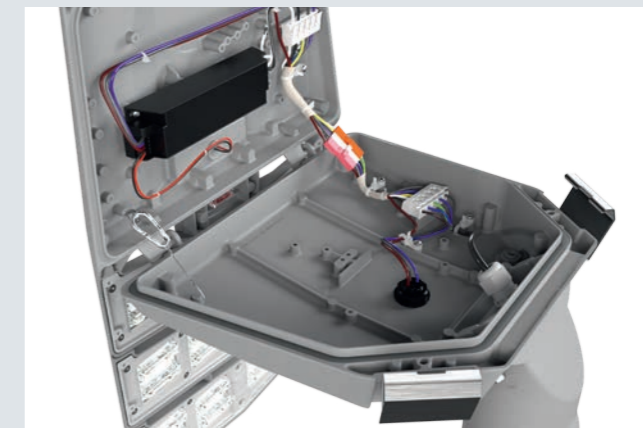
V-MAX can be adjusted to achieve tilts of  $-10^{\circ}$  to  $+10^{\circ}$  in  $2.5^{\circ}$  increments. This is achieved by simply loosening the spigot adapter bolts adjusting the spigot adapter to suit. The adjustment is aided via the presence of 'tilt angle markings' and position ridges to guide the spigot adapter to the desired position.



## Service Position

Through the unique hinge system the head of V-MAX can be locked in an intuitive service position providing safe and easy maintenance.

This ensures hassle free installation and maintenance when change components such as drivers.



## Tool-less Entry (option)

V-MAX can be specified with convenient latches to enable quick and tool-less entry into the luminaire.

As standard bolts are used to secure the canopy.



## Safety Chain Attachment

The V-MAX body includes a cast-in threaded hole for a safety chain device. As an option the luminaire can be built with this device. Combined with the safety lanyard accessory, V-Max can be securely tethered to a column for enhanced safety.

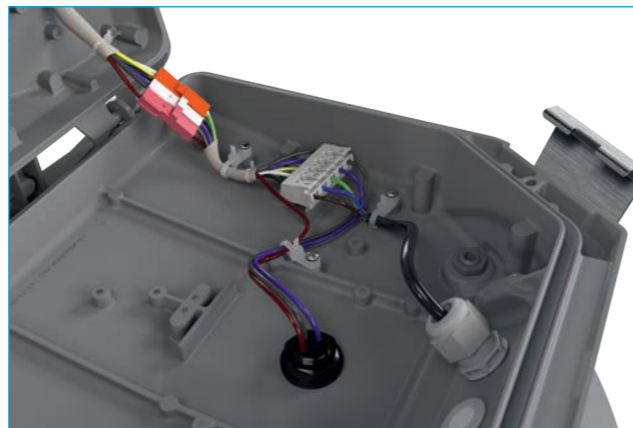


# INSTALLATION MAINTENANCE

To see any of the features highlighted on this page in action, scan the QR code.

## Simple Electrical Termination

V-MAX features a 'piano-key' push-in terminal block for efficient and safe wire termination. No screw-fixings are required and it is suitable for stranded and solid core cable.



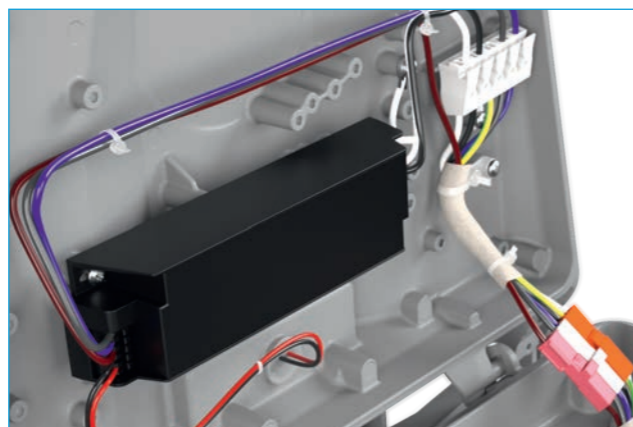
## M20 Cable Gland

V-MAX uses an internal M20 cable gland for cable entry into the gear-compartment. This offers the most familiar and secure way for installers to ensure a consistent IP seal.



## Easily Removable Gear

V-MAX has been designed with easy maintenance in mind. Critical components, such as drivers, are easily removed with basic tools and have quick connectors to aid in achieving a simple swap-out and in process.



# SUSTAINABILITY ENVIRONMENTAL



Innovation and sustainability is at the core of the products we build.

Here, at the intersection of sustainability and technology, we're ensuring we design and manufacture innovative products that not only perform but also enable a more sustainable product lifecycle.

We achieve this in V-MAX by applying something we call the 4-pillars of Eco-Design, which is integral to our product development process.

## Sustainable

### More with less

- Use of recyclable materials – (aluminium & glass as examples)
- Reduce unnecessary materials
- Reduce component weight
- Reduce component count
- Use components that have use in other luminaires
- Reduce labour times and energy usage in manufacture

## Serviceable

### Ensure product longevity

- Making the product upgradable
- Designing in simplicity:
- Easy to install features
- Ease of access to internals
- Tool-less entry
- Ensuring spares are easily available
- Manuals to enable customer servicing and repair

## Scalable

### Tailor the product for application

- Design-in scalability
- Product form-factor is sized for application - (multiple sizes to match lumen output)
- Reduce material 'waste'
- Flexible mounting options for different applications and uses

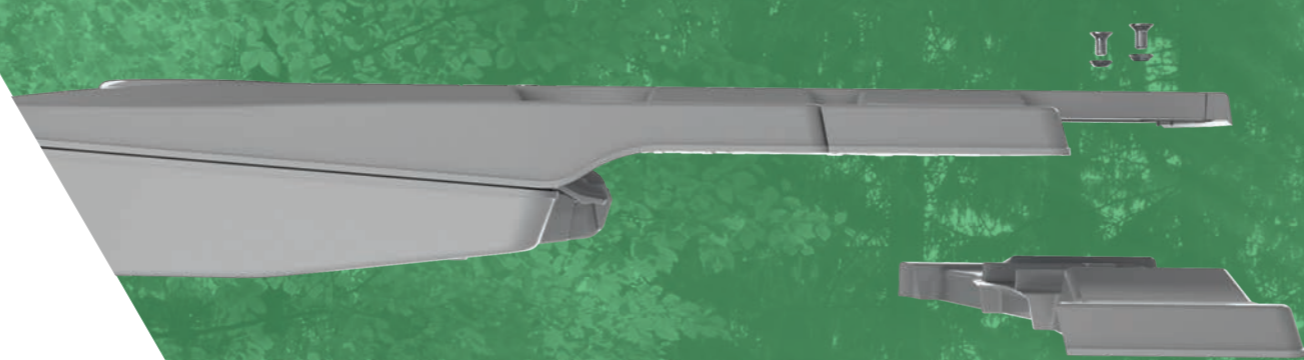
## Separable

### Environmentally friendly & recyclable

- Making luminaires easy to disassemble (i.e. non-permanently bonded components)
- Making materials used easy to separate
- Marking of materials to ensure quick identification



For information on our EarthLIGHT initiative please scan the QR code



2.8

Excellent Circularity



## CIBSE TM66:2021 Creating a circular economy in the lighting industry

In November 2021, CIBSE released their new technical memorandum TM66:2021 – Creating a circular economy in the lighting industry. This new document sets out what the industry could do in the design and manufacturing of products to comply with circular principles and includes a new assessment framework that can be applied to our industry.

TM66:2021 included the introduction of a new Circular Economy Assessment Method (CEAM) that looks to standardise an assessment process to rate the circularity of luminaires in the UK market.

According to this assessment method V-Max has achieved a score of 2.8 - Excellent Circularity.

2.5 to 4.0	Excellent circularity
1.5 to 2.5	Definite/substantial progress to circularity
0.5 to 1.5	Some circular economy functionality
0 to 0.5	Very poor circular economy performance

# DETAILED SPECIFICATION

## To specify V-MAX

Holophane V-MAX is a state of the art road lighting luminaire. Ultra-low profile design combined with a patented modular chevron light engine concept built in system sizes. High pressure die-cast marine grade LM6 aluminium body, spigot adaptor and chevrons (EN 1706 AC-44100). Extruded 6063-T6 Aluminium spine. Finished with a TGIC-free polyester powder coating. The luminaire shall be sealed to IP69 and rated to IK07. Suitable for either Post-top or Side-entry mounting with ability to adjust on-site by -10° to +10° tilt in 2.5° increments. Hinged canopy design with integrated locked service position allowing fast and safe installation and maintenance. The canopy has provision for the inclusion of an anti-fall device. Preliminary CIBSE TM66 (CEAM) Rating: 2.8 - Excellent Circularity. If not supplied with factory fitted flying lead, only use flex cable diameter from 6mm to 13mm. International Dark-Sky Association Approved (colour temperatures 3000K or warmer are approved under the IDA).

## Mechanical

Materials	Paint	IP Rating	IK Rating
Die-cast LM6 Marine Grade Aluminium (Body/Pole Adaptor/Chevron)	TGIC-free polyester powder coating: Smooth White (RAL9016)	IP69 Light Engines IP69 Gear Compartment	IK07 IK10 (option)
Extruded 6063-T6 Aluminium (Spine)	Smooth Graphite (RAL7011)		
Injection moulded Polycarbonate (Caps)	Smooth Grey (RAL7035) Textured Black (RAL9005) Metallic Silver (RAL9006)		

Mounting	Tilt*	Mounting Height	Ambient Operating Temperature
Post-Top Ø76/60mm, Ø42/60mm, Ø34/42mm	+/- 10° tilt. (2.5° increments)	3m-18m	-40°C to +50°C
Side Entry Ø60mm, Ø42/60mm, Ø34/42mm			

Weight	Windage
V1: 6.3Kg V2: 7.8Kg V3: 8.8Kg	V1: 0.03m <sup>2</sup> V2: 0.033m <sup>2</sup> V3: 0.036m <sup>2</sup>
V4: 10.5Kg V5: 11.9Kg V6: 13.3Kg	V4: 0.039m <sup>2</sup> V5: 0.042m <sup>2</sup> V6: 0.045m <sup>2</sup>

## Light Output

Lumens	Power	Drive Current	Efficacy
LA variant: 2,000 - 50,000lm LB variant: 2,000 - 54,000lm	12W - 411W	230mA - 1500mA	Up to 180lm/W

Colour Temperature	CRI	Distributions	Lifetime Hours L9050 @ 25°C
PC Amber 3000K 4000K	70CRI	X2L2 F4L4 X2L3 L2L3 L2Q1 L2L4 L3Q1 F4Q1 F4L2 D4D4	100,000Hrs

MacAdam Ellipses	ULOR
5-step	0% ULOR across all available configurations

## Electrical

Electrical Class	Surge Protection	Power Cable Termination	Power Cable Entry
Class I Class II (option)	8Kv/10kA (standard) 10Kv/10Ka (option)	ENEC approved Push-in terminal block (suitable for 1.5mm <sup>2</sup> -2.5mm <sup>2</sup> stranded or solid core)	M20 Cable gland (suitable for 6mm-13mm diameter)

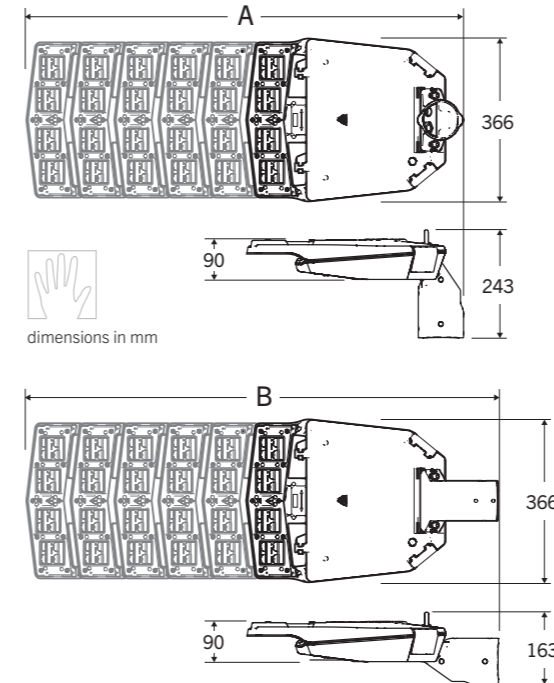
Factory Fitted Flying Lead	UMSUG Codes
Available as standard (consult order code for configurations)	Available (please consult Elexon database at <a href="http://www.elexon.co.uk">www.elexon.co.uk</a> )

## Control

Socket Interface	CMS	Control Protocol	CLO
NEMA 3,5 or 7-Pin ZD4i 4-Pin Zhaga	axora	DALI & DALI 2.0	available at 70% Programmed to deliver 70% of the initial lumens over life of luminaire 80% Programmed to deliver 80% of the initial lumens over life of luminaire 90% Programmed to deliver 90% of the initial lumens over life of luminaire

Dimming	Switching
Programmable Pre-set dimming regimes available	Via photocell

# DIMENSIONS AND PERFORMANCE



## Dimensions

Configuration	A	B	Weight (kg)	Rating	Windage (m <sup>2</sup> )
V-MAX 1 Chevron	498	578	6.3	IK07	0.03
V-MAX 2 Chevron	599	679	7.8	IK07	0.033
V-MAX 3 Chevron	700	780	8.8	IK07	0.036
V-MAX 4 Chevron	801	881	10.5	IK07	0.039
V-MAX 5 Chevron	902	982	11.9	IK07	0.042
V-MAX 6 Chevron	1003	1083	13.3	IK07	0.045

## Luminaire Optical Outreach/Centres

Configuration	Post-top (m)	Side-Entry (m)
V-MAX 1 Chevron	0.4	0.42
V-MAX 2 Chevron	0.45	0.47
V-MAX 3 Chevron	0.5	0.52
V-MAX 4 Chevron	0.55	0.57
V-MAX 5 Chevron	0.6	0.62
V-MAX 6 Chevron	0.65	0.67

## Typical luminaire performance

Configuration	LED Type	Number of LEDs	Delivered Lumens	Circuit Power (W)	Driver Output Current (mA)	Luminaire Efficiency (lm/W)
V-MAX 1 Chevron	LA variant	16	2,000 - 9,000	8 - 78	180 - 1497	up to 167
	LB variant			8 - 59	142 - 1174	up to 167
V-MAX 2 Chevron	LA variant	32	4,000 - 18,000	24 - 160	238 - 1500	up to 168
	LB variant			24 - 132	250 - 1304	up to 176
V-MAX 3 Chevron	LA variant	48	9,000 - 26,000	55 - 225	371 - 1467	up to 169
	LB variant			50 - 205	352 - 1358	up to 176
V-MAX 4 Chevron	LA variant	64	11,000 - 35,000	70 - 300	371 - 1472	up to 169
	LB variant			70 - 275	372 - 1382	up to 175
V-MAX 5 Chevron	LA variant	80	24,000 - 43,000	165 - 345	664 - 1354	up to 171
	LB variant			140 - 350	590 - 1400	up to 178
V-MAX 6 Chevron	LA variant	96	35,000 - 50,000	251 - 411	838 - 1384	up to 173
	LB variant			210 - 360	748 - 1244	up to 180

Lumen data is considered to be representative of the configuration shown, and may vary, with a tolerance on flux of +/- 7% (typical of LED manufacturers data) and luminaire power of +/- 5%.



# ORDERING DETAILS

Code	<b>Luminaire</b> (required)		
VMXII	V-MAX		
Code	<b>Series</b> (required)		
.1	Series 1		
Code	<b>Lamp Type</b> (required)		
.LA02X to	LED light engine producing c.2,000 lm with a nominal 3000K,4000K or PC Amber colour temperature	Replace 'X' with:	
.LA50X	LED light engine producing c.50,000 lm with a nominal 3000K,4000K or PC Amber colour temperature	3 for 3000K	
.LB02X to	LED light engine producing c.2,000 lm with a nominal 3000K,4000K or PC Amber colour temperature	4 for 4000K	
.LB54X	LED light engine producing c.54,000 lm with a nominal 3000K,4000K or PC Amber colour temperature	A for PC Amber	
Code	<b>Operation Package</b> (required)		
.V1	1 LED Chevron	Please consult performance table for lumen package and chevron combinations	
.V6	6 LED Chevrons		
Code	<b>Optical Distribution</b> (required)		
.X2L2	.X2L2 optical setting	Please see page 11 for full optical distributions types and codes	
Code	<b>Fixing Method</b> (required)		
.PT1	Post top 76/60mm only		
.PT2	Post top 42/60mm only		
.PT3	Post top 34/42mm only		
.SE1	34/42mm side entry (with internal reducer) - 60mm side entry when internal reducer is removed		
.SE2	42/60mm side entry mounting only		
.SE3	34/42mm side entry mounting only		
Code	<b>Colour</b> (required)		
.C1	Smooth White (RAL9016)		
.C3	Green (RAL6013)		
.C4	Graphite (RAL 7011)		
.C6	Smooth Grey (RAL7035)		
.C7	Black (RAL9005)		
.C9	Metalllic Silver (RAL9006)		
.RAL****	RAL Colour (Customer choice)		
Code	<b>Inputs</b> (required)		
.W012 to	12W	Wattage dependant on lumen package and chevron configuration	
.W411	411W		
Code	<b>Enclosure</b> (required)		
.X	No option		
.01	Tool-less entry		
.02	Safety Lanyard eyelet (Safety lanyard ordered separately as accessory from HEL)		
.03	Spirit Level		
.04	Tool-less entry and Safety-chain eyelet (wire and jubilee clip ordered separately as accessory from HEL)		
.05	Tool-less entry and Spirit Level		
.06	Safety-chain eyelet (wire and jubilee clip ordered separately as accessory from HEL) & Spirit Level		
.07	Tool-less entry and Safety-chain eyelet (wire and jubilee clip ordered separately as accessory from HEL) & Spirit Level		
.08	Double secure canopy (bolts & latches) & Safety-chain eyelet (wire and jubilee clip ordered separately as accessory from HEL) & Spirit Level		
Code	<b>Paint Finish</b> (option)		
.C	Marine grade paint finish and zinc flake coated grub screws		
Code	<b>Electrical Class</b> (option)		
.CII	Class II		
Code	<b>Photocells</b> (option)		
.TSZ	Complete with miniature 70 lux factory fitted photocell. (Zodion SS12)		
.TSZA	Complete with miniature 55 lux factory fitted photocell. (Zodion SS12A)		
.TSZB	Complete with miniature 35 lux factory fitted photocell. (Zodion SS12B)		
.T1	Complete with NEMA socket. (To accept standard NEMA Photocell, available from Holophane)		
.T5	Complete with 5-pin dimming NEMA ANSI C136.41 socket (photocell/node supplied by others) without locking top		
.T7	Complete with 7-pin dimming NEMA ANSI C136.41 socket (photocell/node supplied by others) without locking top		
.T5T	Complete with 5-pin dimming NEMA ANSI C136.41 socket (photocell/node supplied by others) with weather proof locking top		
.T7T	Complete with 7-pin dimming NEMA ANSI C136.41 socket (photocell/node supplied by others) with weather proof locking top		
.TZ01	Complete with 4-Pin Zhaga Socket - 'Top' (suitable photocell/node supplied by others) with weather proof locking cap		
.TZ02	Complete with 4-Pin Zhaga Socket - 'Bottom' (suitable photocell/node supplied by others) with weather proof locking cap		
.TZ03	Complete with 4-Pin Zhaga Socket - 'Top & bottom' (suitable photocell/node supplied by others) with weather proof locking cap		
.TZT7	Complete with 7-pin dimming NEMA ANSI C136.41 socket 'Top' and 4-Pin Zhaga Socket - 'Bottom' (photocell/node supplied by others) without locking top		
Code	<b>Dimming Outputs</b> (option)		
.LRD	DALI enabled driver		
.LRT56	Pre-set to dim to 50% between 12am to 6am		
.LRT66	Pre-set to dim to 60% between 10pm to 6am		
.LRT76	Pre-set to dim to 70% between 8pm to 6am		
.LRT****	Customer specified pre-set dimming		
Code	<b>Control Gear</b> (option)		
.CL7	Programmed to deliver 70% of the initial lumens over the life of the luminaire		
.CL8	Programmed to deliver 80% of the initial lumens over the life of the luminaire		
.CL9	Programmed to deliver 90% of the initial lumens over the life of the luminaire		
.CL****	Customer specified programming		
Code	<b>Auxiliary Circuits</b> (option)		
.KV	With 10KV surge protection		
Code	<b>Cable Entry</b> (option)		
.E4 to	4 metres of 1.5mm <sup>2</sup>	3 or 5 core single cable "flex" (5 core if LRD is selected)	
.E14	14 metres of 1.5mm <sup>2</sup>		
.E42 to	4 metres of 2.5mm <sup>2</sup>		
.E182	18 metres of 2.5mm <sup>2</sup>		
			add 'A' to end of code for Arctic Cable Example: 'E4A'

VMXII  
Example

\*Restrictions apply.

**Note:** The specifications of the Holophane luminaire, all descriptions, illustrations, drawings and specifications in the Holophane catalogue and website represent only general particulars of the goods to which they apply and shall not form part of any contract. The company reserves the right to change specifications at its discretion without prior notification or public announcement.

# ACCESSORIES INFORMATION



**VMX.LAN34** V-MAX securing lanyard suitable for 34mm side entry mounted luminaire only. Suitable for one luminaire only.

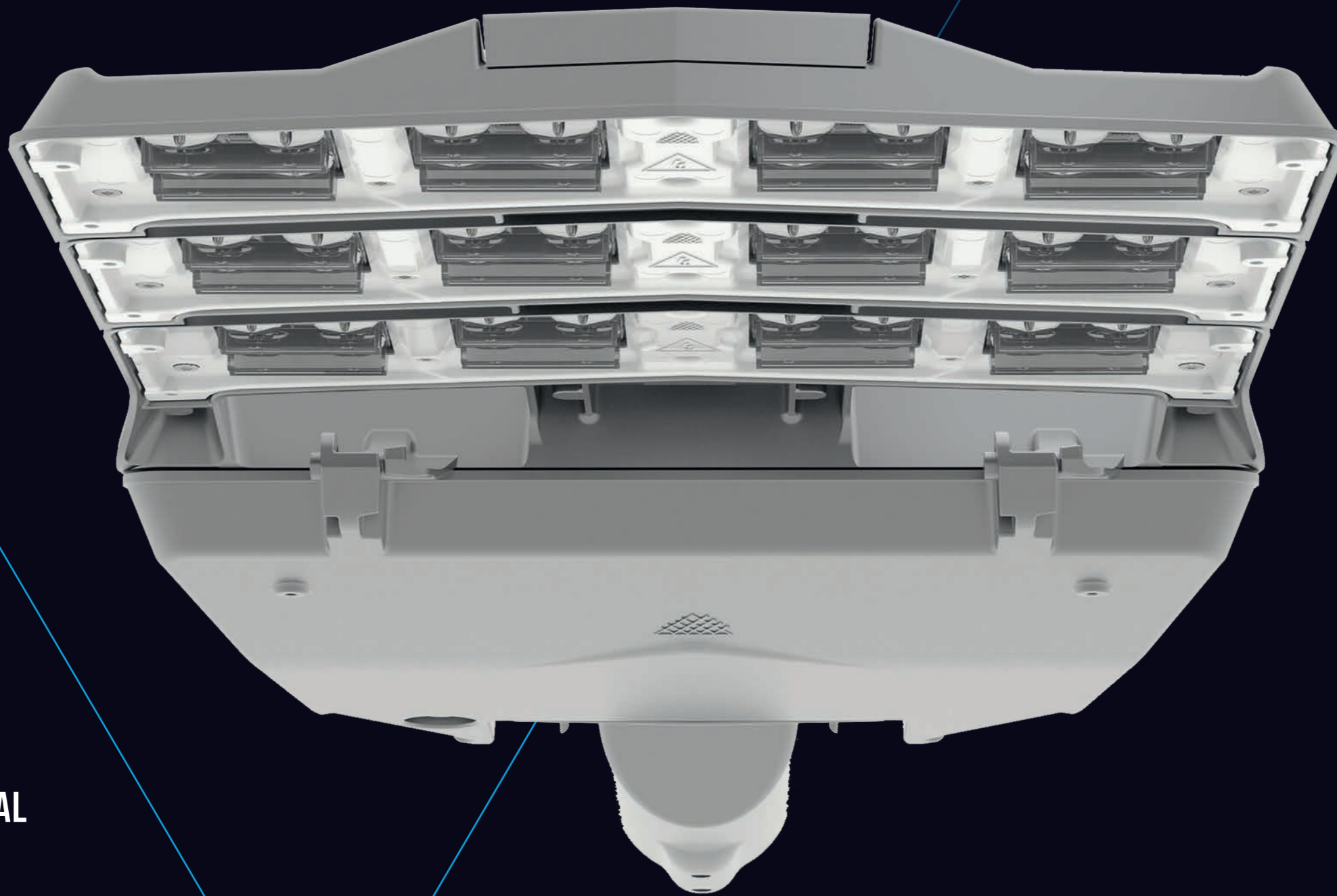
**VMX.LAN42** V-MAX securing lanyard suitable for 42mm side entry mounted luminaire only. Suitable for one luminaire only.

**VMX.LAN60** V-MAX securing lanyard suitable for 60mm post top or side entry mounted luminaire only. Suitable for one luminaire only.

**VMX.LAN76** V-MAX securing lanyard suitable for 76mm post top or side entry mounted luminaire only. Suitable for one luminaire only.

Note: V-MAX luminaire configuration must include the safety chain eyelet (.02, .04, .06 or .07) for compatibility

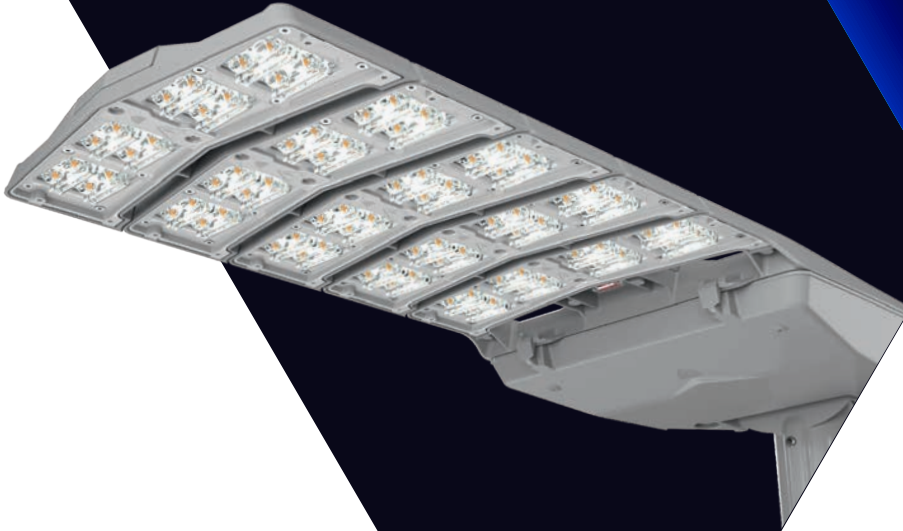




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# V-MAX™

# STREET V-MAX™



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