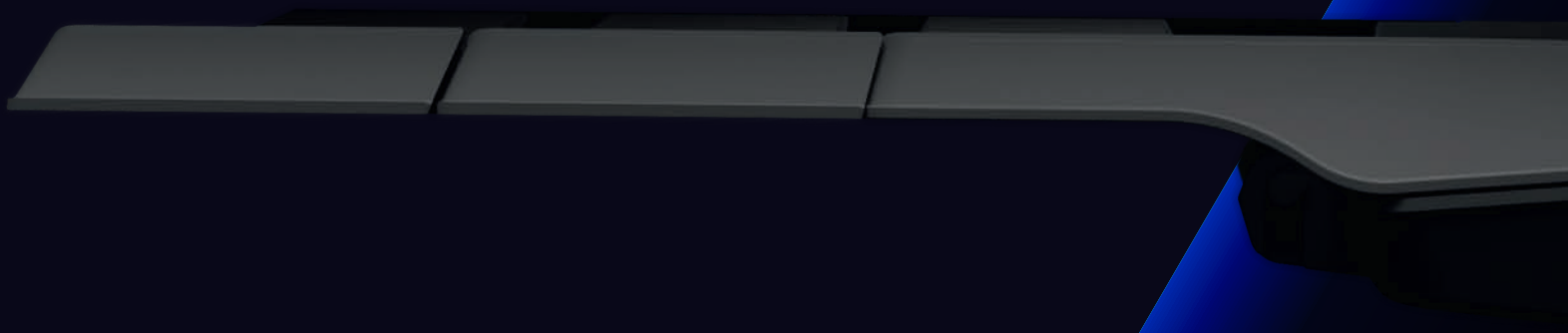
V-MAX™

The new shape of streetlighting



REGISTERED EUROPEAN DESIGN / PATENTED DESIGN

MADE IN BRITAIN

TM66 CIRCULARITY LIA | CIBSE

2.8 EXCELLENT

HOLOPHANE®

NEW

V-MAX™

CHALLENGE
THE CONVENTIONAL

V-MAX™
NO COMPROMISE REQUIRED

Highways

Main Roads

Residential Roads

Footpaths

MADE IN BRITAIN

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.

Approvals | Complies with BS EN 60598:2020

CE UK CA ida DARK SKY APPROVED

For further information please visit the Holophane website **www.holophane.co.uk**

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: 0.03m²
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: 0.033m²
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: 0.036m²
Applications: Main Roads

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.

V-MAX **V4**

Lumen Output: up to 39,000lms
Power Range: 117W-298W
Lm/W: up to 175lm/W
Weight: 10.5kg
Windage: 0.039m²
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: 0.042m²
Applications:
Dual Carriageways and Highways

V-MAX **V6**

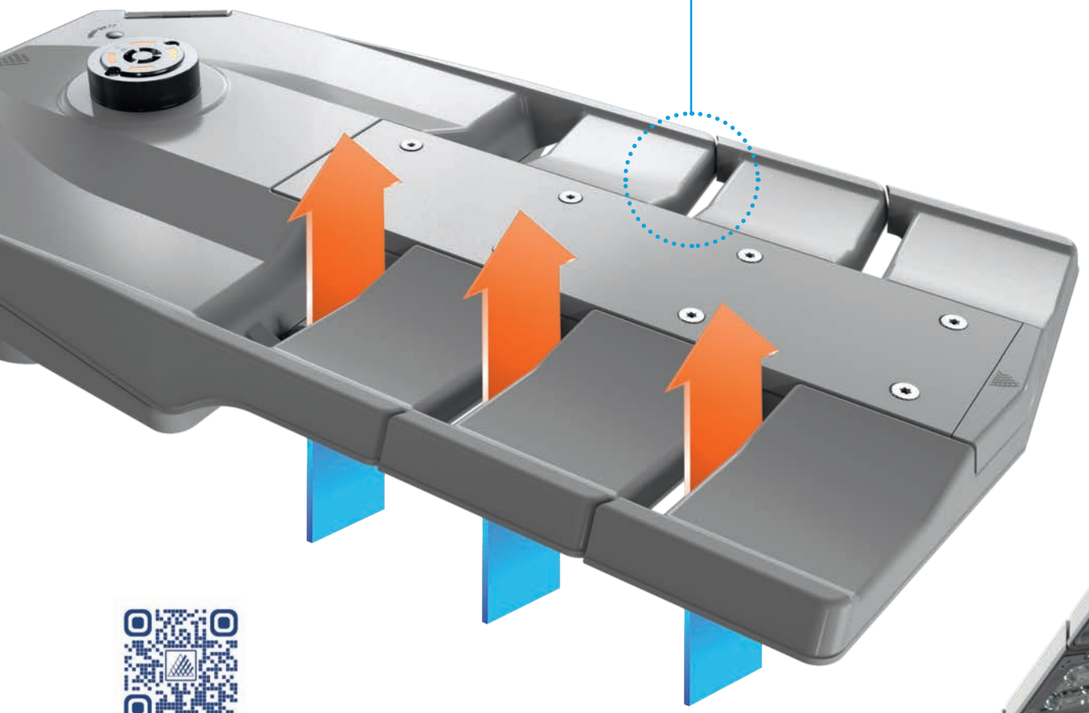
Lumen Output: up to 54,000lms
Power Range: 241W-411W
Lm/W: up to 180lm/W
Weight: 13.3kg
Windage: 0.045m²
Applications:
Highways and High-Mast

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

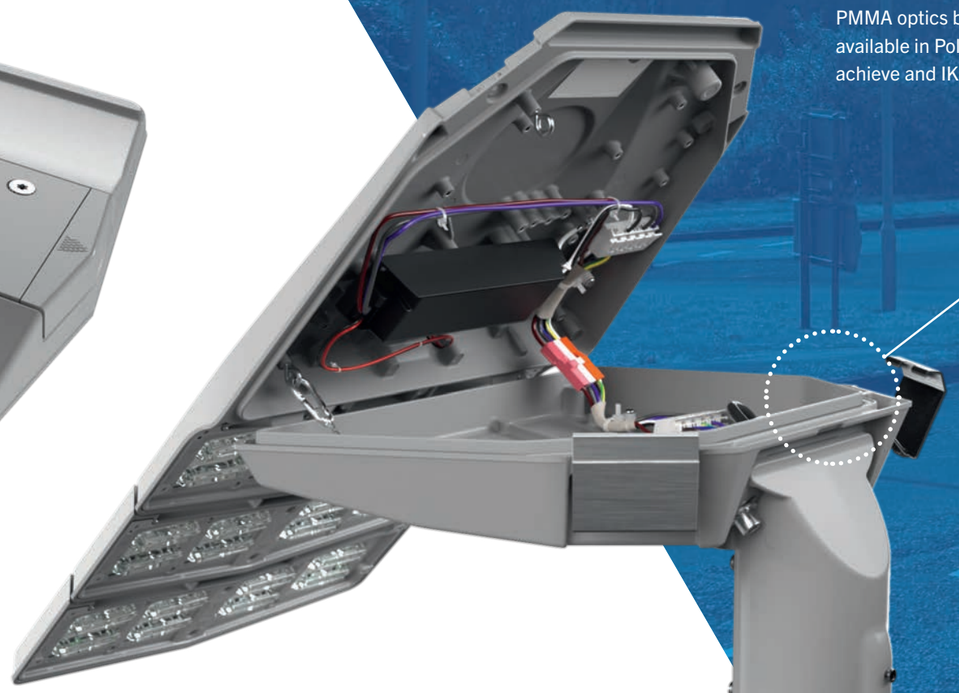
Transition Zone

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

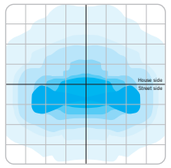
OPTICS

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.

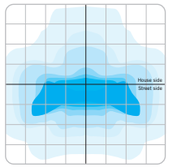
Additionally, V-MAX is approved under the International Dark-Sky Association's 'Fixture Seal of Approval' program.

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

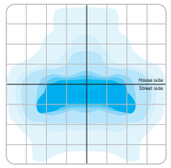
LA OPTICS



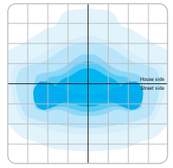
F4L2 Type II Short
Glare Class: G3



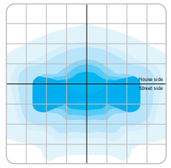
L2L3 Type II Short
Glare Class: G3



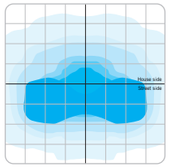
L2L4 Type II Short
Glare Class: G3



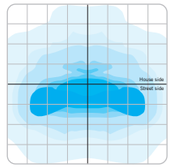
L2Q1 Type II Short
Glare Class: G3



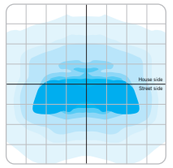
L3Q1 Type II Short
Glare Class: G3



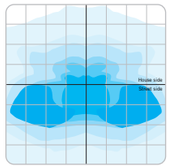
F4Q1 Type III Short
Glare Class: G4



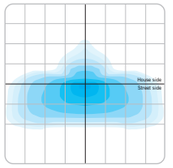
X2L2 Type III Short
Glare Class: G3



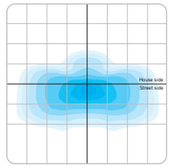
X2L3 Type III Short
Glare Class: G3



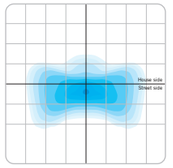
D4D4 Type III Medium
Glare Class: G3



L5L5 Type III Medium
Glare Class: G3

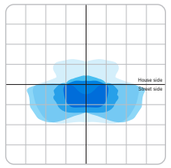


L3L4 Type II Short
Glare Class: G4

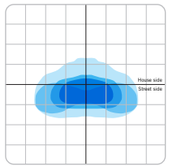


L4L4 Type II Very Short
Glare Class: G6

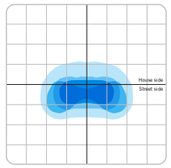
LB OPTICS



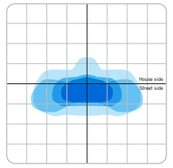
D4D4 Type III Short
Glare Class: G4



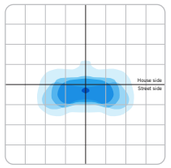
F4L2 Type III Short
Glare Class: G4



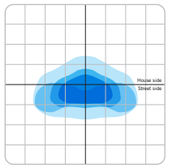
F4L4 Type II Short
Glare Class: G6



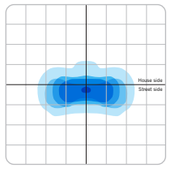
L2L3 Type II Short
Glare Class: G4



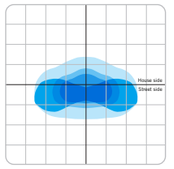
L2L4 Type II Short
Glare Class: G6



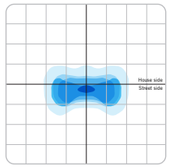
L2Q1 Type II Short
Glare Class: G4



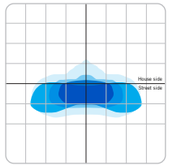
L3L4 Type II Short
Glare Class: G6



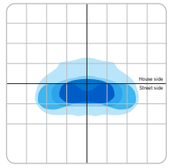
L3Q1 Type II Short
Glare Class: G4



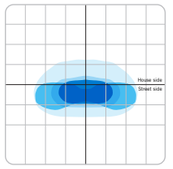
L4L4 Type II Short
Glare Class: G6



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 and 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

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

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.

Tilt Adjustment

V-MAX can be adjusted to achieve tilts of -10° to +10° in 2.5° 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.

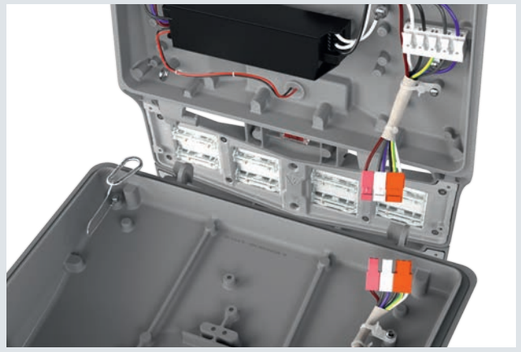
Tool-less Entry (option)

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.

Removable head

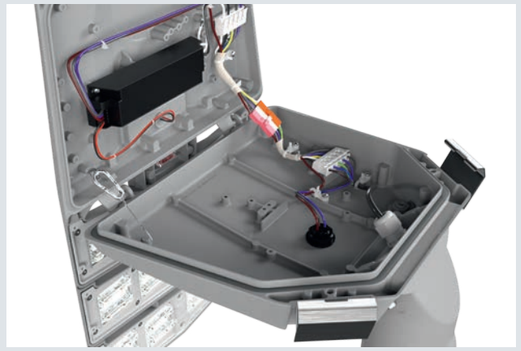
The new V-MAX features an innovative design that allows easy removal of the luminaire head. Through a unique hinge system users can quickly and efficiently disconnect and remove the head without the use of tools.



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.



Safety Chain Attachment

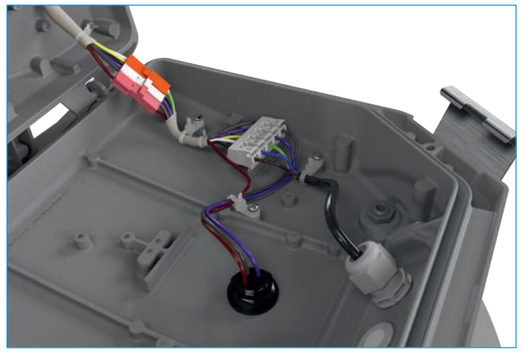
The V-MAX body includes a cast-in threaded hole for a safety chain device. As an option the luminaire can be built with this device. Combined with the safety lanyard accessory, V-Max can be securely tethered to a column for enhanced safety.

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.

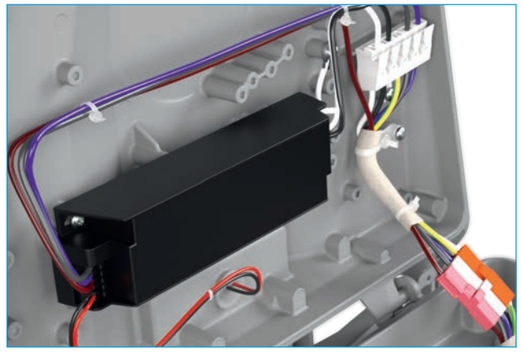


M20 Cable Gland

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

EarthLIGHT

AN ECO DESIGN THAT IS SUSTAINABLE WITHIN.

Our products are just one part of our sustainability efforts, with the 4 pillars of our eco-design which constantly push us to create the most sustainable products that reduce our own environmental impact.

Pillar One
Sustainable
we make more with less

How are we doing it?

- To make use of recycled materials where we can
- Reducing unnecessary materials, weight and component count
- Only using components that can be used in other luminaries
- Reduce labour time and energy usage during the manufacturing process

Pillar Two
Scalable
we tailor the product for application

We offer:

- Products that are scalable to accommodate new features
- Form-factor sizing for each application to help reduce material waste
- Flexible mounting options

For information on our EarthLIGHT initiative please scan the QR code

Pillar Three
Serviceable
we ensure product longevity

All of our products are:

- Upgradable
- Simple in design
- Ensure easy access to internal components
- Spares are easily available to enable customer servicing and repair

Pillar Four
Separable
we are committed to global sustainability

Our products are:

- Environmentally friendly
- Recyclable
- Easy to disassemble, making materials used easy to separate
- Reduce labour time and energy usage during the manufacturing process

CIRCULAR ECONOMY TM66

Holophane's ambitious sustainability efforts have set us on the path to obtaining several accreditations with the LIA and CIBSE's TM66 which allows us to rate our products and follow a method that designs out waste.

The traditional resource sonsumption model is linear, where raw material is collected to make products, then often thrown away once they have served their purpose.

CIBSE's TM66 allows us to rate our products and follow a method to design out waste, maximise value and improve maintenance so that our luminaires can be repaired, recycled and re-used.

CIBSE

Our flagship street lighting luminaire, the V-Max has been assessed under the LIA Circular Economy Assured Scheme and confirmed at the TM66 CEAM rating of 2.8 "Excellent Circularity".

CIRCULAR ECONOMY 2.8 EXCELLENT ASSESSMENT METHOD

TM66 Assured Score

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) Extruded 6063-T6 Aluminium (Spine) Injection moulded Polycarbonate (Caps)	TGIC-free polyester powder coating: Smooth White (RAL9016) Smooth Graphite (RAL7011) Smooth Grey (RAL7035) Textured Black (RAL9005) Metallic Silver (RAL9006)	IP69 Light Engines IP69 Gear Compartment	IK07 IK10 (option)

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

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

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 X2L3 L2Q1 L3Q1 F4L2	F4L4 L2L3 L2L4 F4Q1 D4D4	100,000Hrs

MacAdam Elipses	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^2-2.5mm^2 stranded or solid core)	M20 Cable gland (suitable for 6mm-13mm diameter)

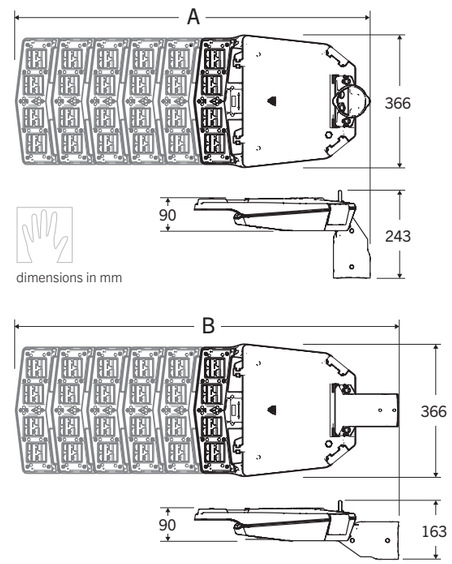
Factory Fitted Flying Lead	UMSUG Codes
Available as standard (consult order code for configurations)	Available (please consult Elexon database at www.elexon.co.uk)

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^2)
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		4,000 - 19,000	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		9,000 - 29,000	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		12,000 - 39,000	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		23,000 - 50,000	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		35,000 - 54,000	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%.

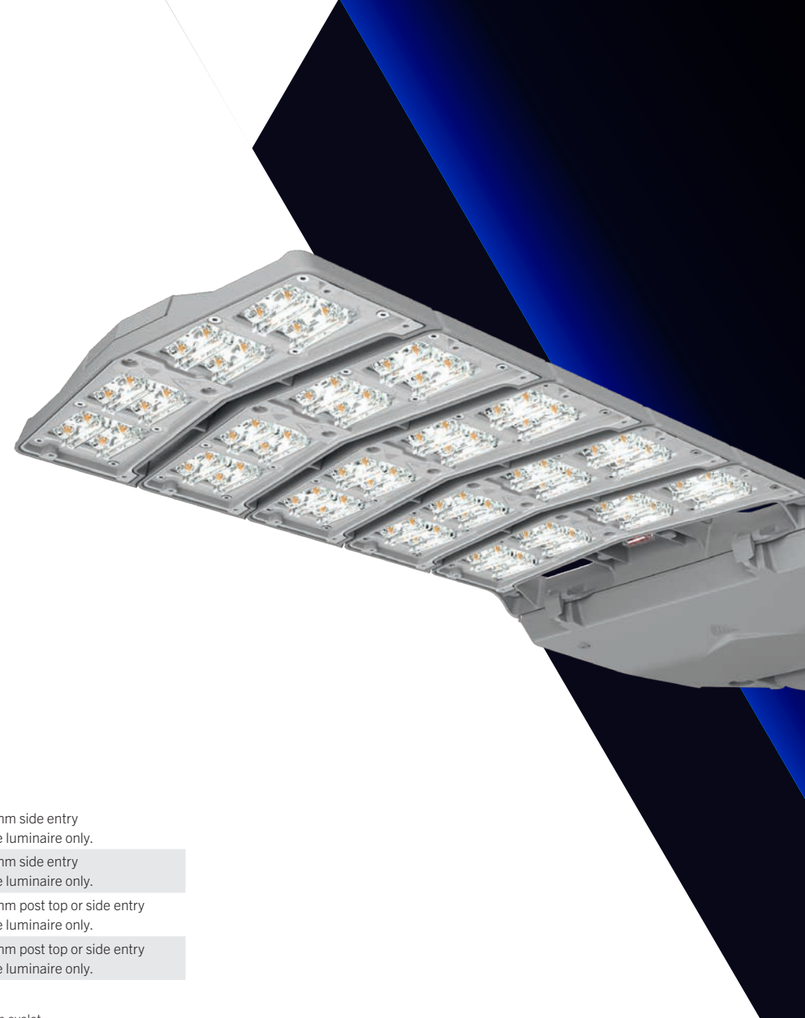
ORDERING DETAILS

Code	Luminaire (required)											
VMXII	V-MAX											
Code	**Series** (required)											
.1	Series 1											
	Code	**Lamp Type** (required)										
	.LA02X to .LA50X	LED light engine producing c.2,000 lm to c.50,000 lm with a nominal 3000K,4000K or PC Amber colour temperature	Replace 'X' with: 3 for 3000K 4 for 4000K A for PC Amber									
	.LB02X to .LB54X	LED light engine producing c.2,000 lm to c.54,000 lm with a nominal 3000K,4000K or PC Amber colour temperature										
		Code	**Operation Package** (required)									
		.V1	1 LED Chevron	Please consult performance table for lumen package and chevron combinations								
		.V6	6 LED Chevrons									
			Code	**Optical Distribution** (required)								
			.X2L2	.X2L2 optical setting	Please see page 11 for full optical distributions types and codes							
				Code	**Fixing Method** (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	**Colour** (required)						
					.C1	Smooth White (RAL9016)						
					.C3	Green (RAL6013)						
					.C4	Graphite (RAL 7011)						
					.C6	Smooth Grey (RAL7035)						
					.C7	Black (RAL9005)						
					.C9	Metallic Silver (RAL9006)						
					.RAL****	RAL Colour (Customer choice)						
						Code	**Inputs** (required)					
						.W012 to .W411	12W to 411W	Wattage dependant on lumen package and chevron configuration				
							Code	**Enclosure** (required)				
							.X	No option				
							.O1	Tool-less entry				
							.O2	Safety Lanyard eyelet (Safety lanyard ordered separately as accessory from HEL)				
							.O3	Spirit Level				
							.O4	Tool-less entry and Safety-chain eyelet (wire and jubilee clip ordered separately as accessory from HEL)				
							.O5	Tool-less entry and Spirit Level				
							.O6	Safety-chain eyelet (wire and jubilee clip ordered separately as accessory from HEL) & Spirit Level				
							.O7	Tool-less entry and Safety-chain eyelet (wire and jubilee clip ordered separately as accessory from HEL) & Spirit Level				
							.O8	Double secure canopy (bolts & latches) & Safety-chain eyelet (wire and jubilee clip ordered separately as accessory from HEL) & Spirit Level				
								Code	**Paint Finish** (option)			
								.C	Marine grade paint finish and zinc flake coated grub screws			
									Code	**Electrical Class** (option)		
									.CII	Class II		
										Code	**Photocells** (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	**Dimming Outputs** (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	**Control Gear** (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	**Auxiliary Circuits** (option)
													.KV	With 10KV surge protection
														Code	**Cable Entry** (option)		
														.E4 to	4 metres of 1.5mm²	3 or 5 core single cable "flex" (5 core if LRD is selected)	add 'A' to end of code for Arctic Cable Example '.E4A'
														.E14	14 metres of 1.5mm²		
														.E42 to	4 metres of 2.5mm²		
														.E182	18 metres of 2.5mm²		
Example	VMXII	.LA02X	.V1	.X2L2	.PT1	.C1	.W012	.01	.C	.CII							

*Restrictions apply.

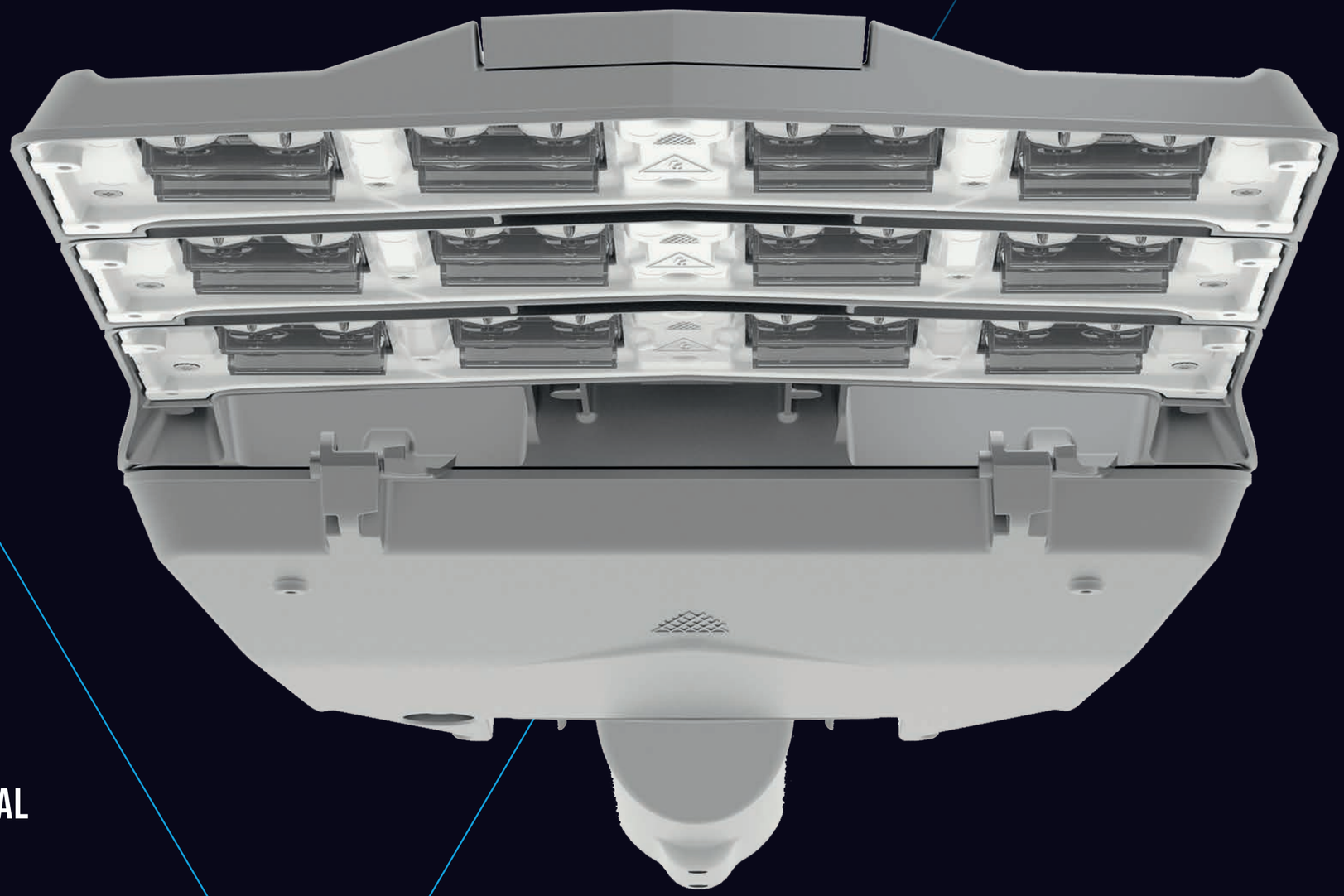
Note: The specifications of the Holophane luminaire, all descriptions, illustrations, drawings and specifications in the Holophane catalogue and website represent only general particulars of the goods to which they apply and shall not form part of any contract. The company reserves the right to change 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™

CHALLENGE THE CONVENTIONAL

V-MAX™

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