

> DATASHEET - ROADWAY - VMXII

VMXII.1.LA054.V1.D4D4.SE2.C9.05.W043



Product image may not represent the final configuration stated above.

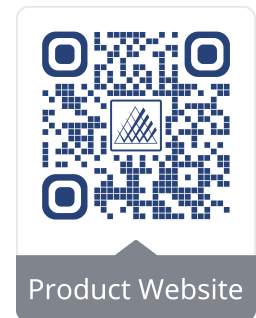


PRODUCT SPECIFICATION

 **VMXII HOLOPHANE WEBSITE**

VMXII.1.LA054.V1.D4D4.SE2.C9.O5.W043

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 (IP66 with NEMA or ZD4i socket) 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. 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).



This specific SKU includes:

- Series 1
- LED light engine producing c.5,000 lm with a nominal 4000°K colour temperature
- 1 LED chevron
- D4D4 optical setting
- 60mm side entry mounting
- Metallic Silver (RAL9006)
- Tool-less entry & Spirit Level
- 43W

VMXB.8.1S.LMZ.SA60.GV9.FB2

Holophane tubular base compartment column for use with V-Max Luminaires. 8 metre, Single head short bracket (300mm outreach), Side arm bracket suitable for 60mm entry For light & medium area wind zones (compliant to EN40).

- Bracket galvanised and painted metallic silver (RAL9006)
- Flange base mounting for 6m (89mm shaft), 8m, 10m & 12m (suitable for ground level installation only)

PERFORMANCE

Drive Current from Driver:	846mA
Power:	43W
Fitting Current:	0.19A
Power Factor:	0.99
Fitting Inrush:	22A - 0.29ms
Number of Drivers:	1
1x Driver 1 Inrush:	22A - 0.29ms
Max Drivers per 16A Type B MCB:	20
Max Fittings per 16A Type B MCB:	20
Total Number of LEDs:	16
Minimum Dim Level:	8 %
Optical Risk Group:	1



6.3Kg₂



0.03M



42 0043 0000 100*



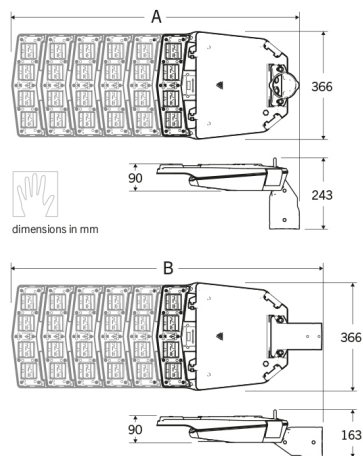
[Installation Guide](#)

*Generic UMSUG code based on product wattage and some or all of product family being included within Elexon data base.

DIMENSIONS

CIBSE TM66 - CEAM RATING

Configuration	A	B
V-Max 1 Chevron	498	578
V-Max 2 Chevron	599	679
V-Max 3 Chevron	700	780
V-Max 4 Chevron	801	881
V-Max 5 Chevron	902	982
V-Max 6 Chevron	1003	1083



2.8*

0 to 0.5

Very poor
circular
economy
performance

0.5 to 1.5

Some circular
economy
functionality

1.5 to 2.5

Definite/
substantial
progress to
circularity

2.5 to 4.0

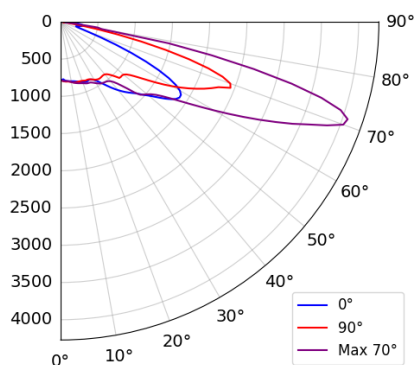
Excellent
circularity

*Preliminary Rating

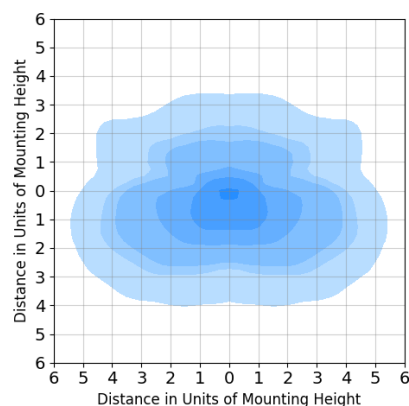
PHOTOMETRY

↓ IES FILE

Polar Plot

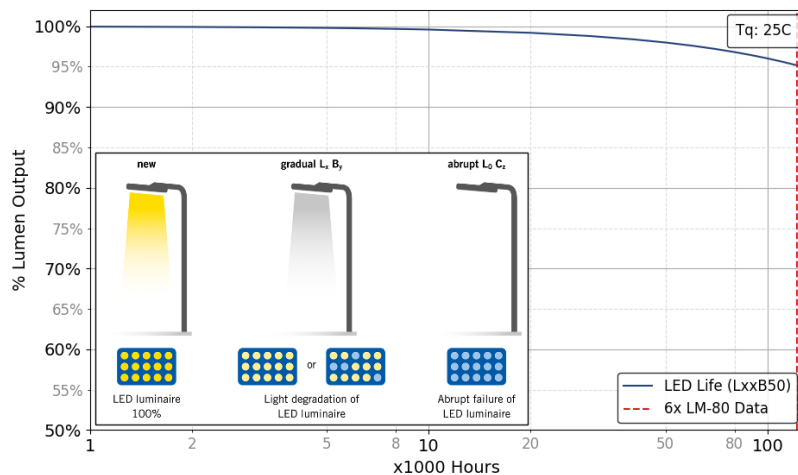


Isoilluminance Plot



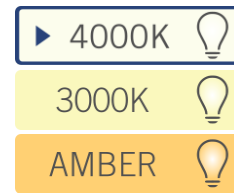
Lumens:	5,619
CCT:	4000K
CRI:	70
IES File:	VMXII.1.LA054.V1.D4D4.W043 (TZ)
G-Class:	G*3 Imax @ $\geq 70^\circ$: 724 Imax @ $\geq 80^\circ$: 99 Imax @ $\geq 90^\circ$: 0

LLMF GRAPH



For reference purposes, the graph extrapolates beyond the recommend 6x LM-80 data in TM-21, which our calculations are based on.

COLOUR TEMPERATURES



COLOURS

Selected Colour

C9 Metallic Silver (RAL9006)

Custom Colour Available

RAL**** Customer specified colour

*Choosing a custom colour may increase the cost and lead time.

Standard Colours Available

C1 Smooth White (RAL9016)

C3 Green (RAL6013)

C4 Smooth Graphite (RAL7011)

C6 Smooth Grey (RAL7035)

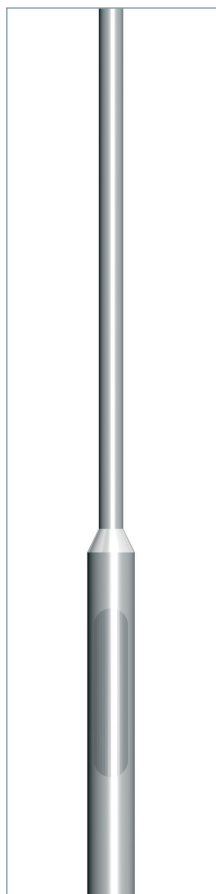
C7 Textured Black (RAL9005)

C9 Metallic Silver (RAL9006)

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

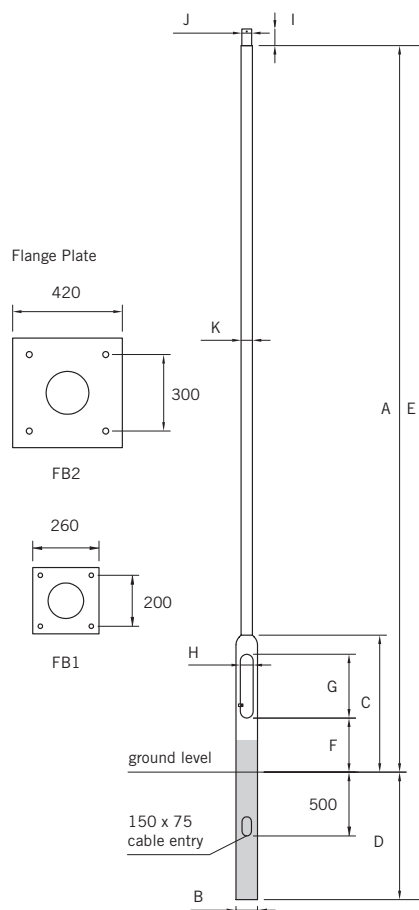
The specifications of the Holophane luminaires represents typical values. All descriptions, illustrations, drawings and specifications in the Holophane catalogue, Datasheets and website represent only general particulars of the goods to which they apply and shall not form part of any contract. The company reserves the right to change specifications at its discretion without prior notification or public announcement.

VMXB.8.1S.LMZ.SA60.GV9.FB2



Holophane products
that are suitable

CityMax
Denver Elite pole
D-Series
Factor
Factor small
V-Max



	Nominal Height	Base Diameter*	Base Height	Planting Depth	Overall Length	Door to Ground	Door Opening Length	Door Opening Width	Spigot Length*	Spigot Diameter*	Shaft Diameter*	Weight kg*	Bending Moment (ULS) Nm
description	A	B	C	D	E	F	G	H	I	J	K		
2.5m standard duty	2500	140	1075	800	3300	400	500	100	-	-	76	27	2100
3m standard duty	3000	140	1075	800	3800	400	500	100	-	-	76	30	4666
3.5m standard duty	3500	140	1075	800	4300	400	500	100	-	-	76	32	2100
4m standard duty	4000	140	1075	800	4800	400	500	100	-	-	76	34	6484
4.5m standard duty	4500	140	1075	800	5300	400	500	100	-	-	76	37	5108
5m standard duty	5000	140	1075	800	5800	400	500	100	-	-	76	39	6149
5.5m standard duty	5500	140	1075	1000	6500	400	500	100	-	-	76	44	6003
6m standard duty	6000	140	1075	1000	7000	400	500	100	-	-	76	46	5999
6m heavy duty	5700	168	1200	1000	6700	400	600	115	130	76	89	71	10404
8m standard duty	7700	168	1200	1200	8900	400	600	115	130	76	89	89	10072
8m heavy duty	7700	168	1300	1200	9000	500	600	115	250	101	114	107	15699
8m extra heavy duty	7700	194	1300	1200	9000	500	600	115	250	127	140	136	18973
10m standard duty	9700	168	1300	1500	11200	500	600	115	250	101	114	150	18067
10m heavy duty	9700	194	1300	1500	11200	500	600	115	250	127	140	168	23193
10m extra heavy duty	9700	194	1300	1500	11200	500	600	115	250	152	168	220	28317
12m standard duty	11700	194	1300	1700	13400	500	600	115	250	127	140	213	26251
12m heavy duty	11700	194	1300	1700	13400	500	600	115	250	127	168	260	40390

* Exclusion TBC

2.5-6m std Poles Flange Plat

Bolts	M18 x 400
T Bolts	(0) 1908.64

Flange Plate and Anchor Bolt information will be confirmed at time of order due to the necessity in ensuring the correct plate and Anchor Bolts are supplied.

F Intl +44 (0)1908 363 789

Column type to be confirmed at time of order as this is based on ultimate weight, package and geographical location.

E info@holophane.co.uk

Holophane Europe Limited
Bond Avenue, Milton Keynes
Buckinghamshire MK1 1JG
United Kingdom



stepped steel - CityMax Large only post top

	Nominal Height	Base Diameter	Base Height	Planting Depth	Overall Length	Door to Ground	Door Opening Length	Door Opening Width	Spigot Length	Spigot Diameter	Shaft Diameter	Weight kg	Bending Moment (ULS) Nm
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10m	9700	168	1300	1500	11200	500	600	115	100	76	114	150	18067
12m	11700	194	1300	1700	13400	500	600	115	100	76	140	168	26251
15m	14700	194	1200	2000	17000	400	600	115	100	76	168	306	40300

twin head

	Nominal Height	Base Diameter	Base Height	Planting Depth	Overall Length	Door to Ground	Door Opening Length	Door Opening Width	Spigot Length	Spigot Diameter	Shaft Diameter	Weight kg	Bending Moment (ULS) Nm
description	A	B	C	D	E	F	G	H	I	J	K		
8m	7400	194	1200	1200	8800	400	600	115	200	127	139.7	125	22610
10m	9400	194	1200	1500	11100	400	600	115	200	152.4	168.3	208	39131
12m	11400	194	2500	1700	13300	1000	600	115	200	152.4	168.3	295	41585

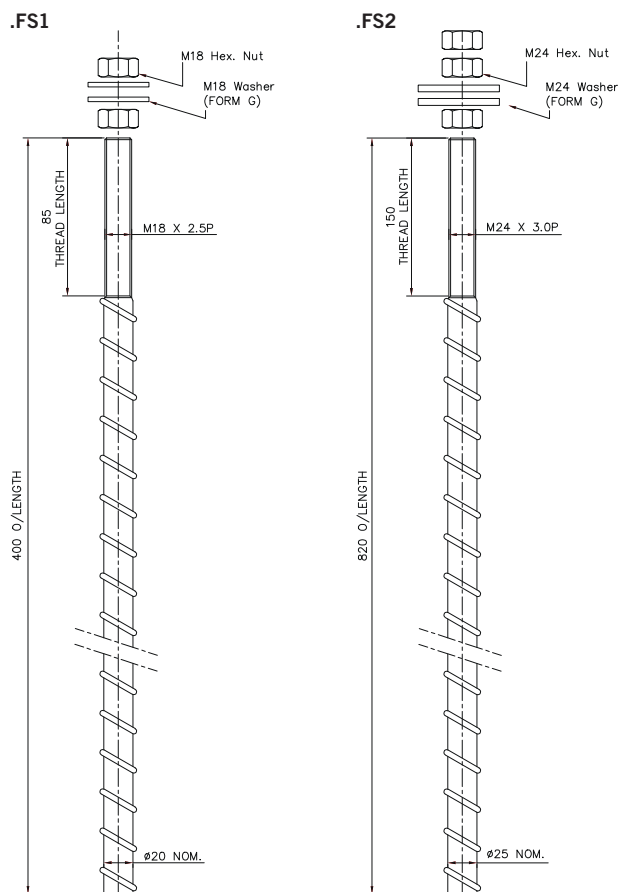
Note: For Terrain Category 2 locations LMZ, HVZ & HEZ

For columns supplied with optional flange base Holophane offers two types of foundation bolts.

Note: The material used for the bolts is Fe E500 grade steel, with yield strength 500 N/mm2 and minimum UTS 550 N/mm2.

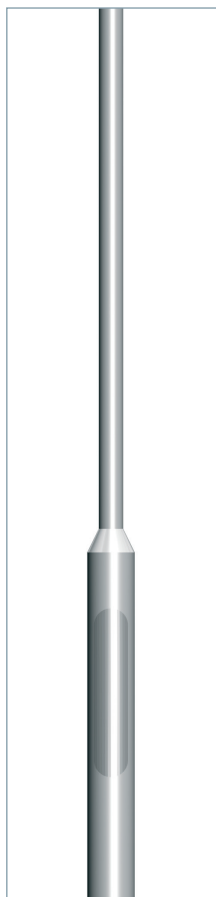
HEL.FS1 M18 Bolts (FS1) x 400 mm long

HEL.FS2 M24 Bolts (FS2) x 820 mm long



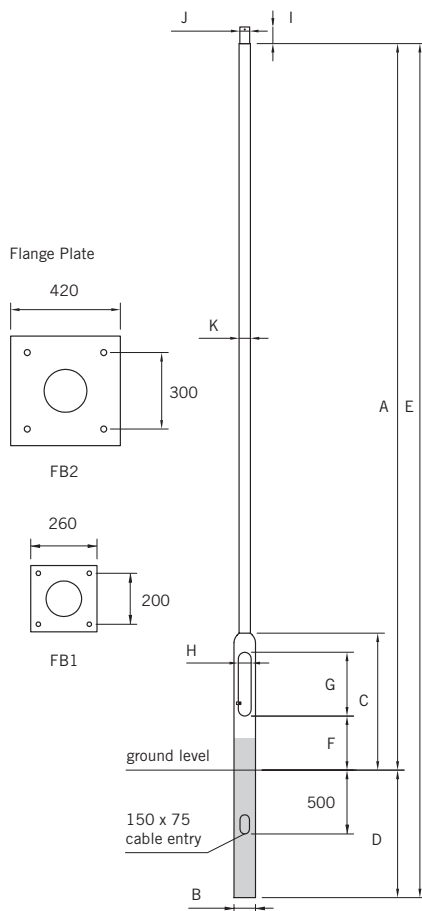
> DATASHEET

VMXB.8.2S.LMZ.SA60.GV9.FB2



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Denver Elite pole
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Factor small
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* Exclusion TBC

2.5-6m std Poles Flange Plate FB1 Bolts M18 x 400

8-12m std Poles Flange Plate FB2 Bolts M24 x 820

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stepped steel - CityMax Large only post top

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twin head

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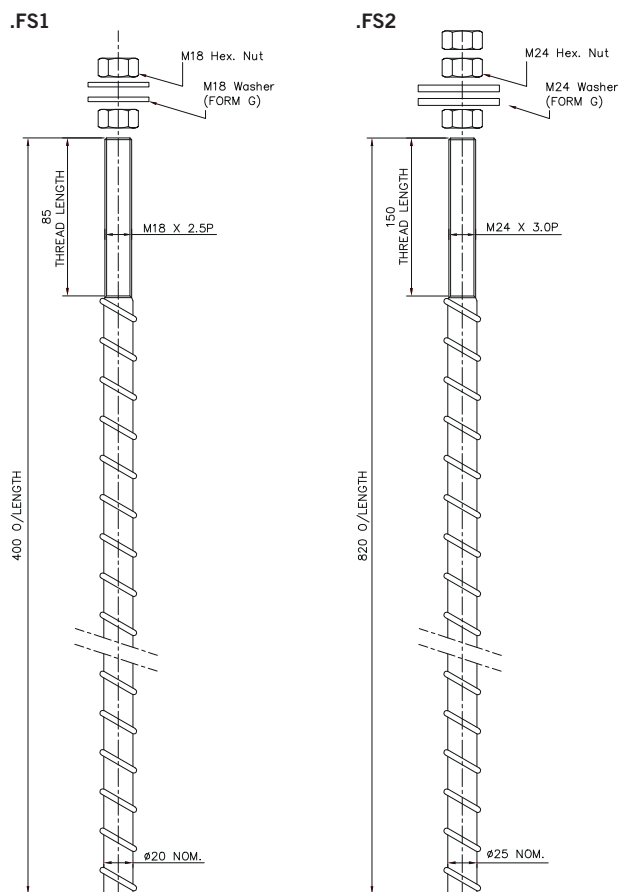
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HEL.FS1 M18 Bolts (FS1) x 400 mm long

HEL.FS2 M24 Bolts (FS2) x 820 mm long



BREEAM P183-857 - FORD CAR PARK EXTENSION

Total Lumens

123,618

Installation ULR

0%

Complies with environmental zones

E0 & E1 & E2 & E3 & E4

Total Upward Lumens

0

CATALOGUE	ITEM REF	QUANTITY	LUMENS	POWER (W)	LLM/TcW	TOTAL LUMENS	TILT (°)	ULOR (%)	TOTAL UPWARD LUMENS
VMXII.1.LA054.V1.D4D4.SE2.C9.05.W043	A1	14	5,619	43	131	78,666	-	0	0
VMXII.1.LA054.V1.D4D4.SE2.C9.05.W043	B1	8	5,619	43	131	44,952	-	0	0

Required LLM/TcW: 70

Permissible ULR %: E0: 0% E1: 0% E2: up to 2.5% E3: up to 5% E4: up to 15%

Environmental zone level is based solely on the ULR.

The information provided is based on the latest the Institute of Lighting Professionals (ILP) Guidance notes for the reduction of obtrusive light and the latest BREEAM UK construction manual 2018. This assumes that all external lighting (except safety and security lighting) can automatically be switched off between 23:00 and 07:00. If safety or security lighting is required to be on during these hours, then it should comply with the levels recommended in the ILP guidance notes.

All values shown are the result of calculations derived from product specific photometry of luminaires positioned in a fixed relationship to each other and the statistical zone. In practice the values may vary due to tolerances in column installation, luminaire orientation, and surface reflectance, the substitution of alternative luminaires will not produce comparable results.

SUMMARY

P183-857 - FORD CAR PARK EXTENSION

Line No.	Item Ref	Quantity	Catalogue
LUMINAIRE, COLUMN AND BRACKET PACKAGE			
10	A1	14	VMXII.1.LA054.V1.D4D4.SE2.C9.O5.W043
11	A1	14	VMXB.8.1S.LMZ.SA60.GV9.FB2
LUMINAIRE, COLUMN AND BRACKET PACKAGE			
20	B1	8	VMXII.1.LA054.V1.D4D4.SE2.C9.O5.W043
21	B1	4	VMXB.8.2S.LMZ.SA60.GV9.FB2
ACCESSORY			
30		18	HEL.FS2