

Holophane CityMax Series



PRODUCT DESCRIPTION

Innovation and efficiency for urban spaces. CityMax is a concept that delivers a versatile urban lighting system with a modern, innovative design, for a variety of city applications. It guarantees excellent levels of illumination for different types of lighting applications. With its flexible design it offers an extensive range of lumen packages and varied mounting options that are an ideal solution for city projects that encompass streets, avenues, squares and roads.

PERFORMANCE SUMMARY

- Tool-less entry
- Rated IP66 and IK10
- Operating temperature: -40° to 50°
- Available in 3000K and 4000K
- Luminous flux range between 2000 and 15,000 lm
- Overvoltage Protection up to 10KV/KA
- Tilt -10° to 10° in increments of 2.5° in SE mounting and PT vertical

MATERIAL & FINISH

Housing, cover, modules, arms and mountings manufactured from high quality, low copper content aluminium. The quality of the materials and coating process used ensures a product with a long mechanical life.

MOUNTING OPTIONS

CityMax is a versatile lighting solution with a variety of brackets enabling installation in all kinds of urban environments. See following pages for mounting options.

TILT OPTIONS

The design of CityMax allows on site -10° to 10° tilting on side entry and post top variants.



THERMAL MANAGEMENT

The LED module system covers a large contact surface that conducts heat away from the critical electronic components which is then dissipated throughout the housing. The channel between the modules and the gear compartment generates a constant flow of air that passes through the luminaire. This process of convection ensures the luminaire is running as cool as possible resulting in a long system life.



OUTER MODULE

The CityMax modules include state-of-the-art LEDs to ensure maximum efficacy. The versatility of the outer module allows for different lumen packages, ranging from 2,000lm to 9,000lm.

INNER MODULE

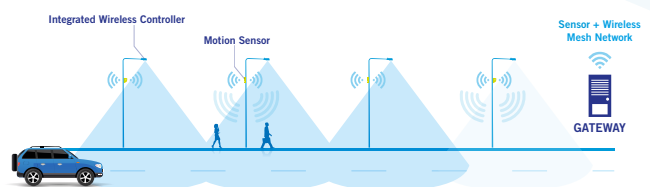
The inner modules have been designed for applications requiring higher lumen packages. The combined Outer & Inner module configuration delivers 12,000 lm or 15,000 lm.

MAINTENANCE

Convenient luminaire access from the top, without the need for tools. The modules are separate from the driver, which encourages heat dissipation by way of convection and conduction.

CONTROL

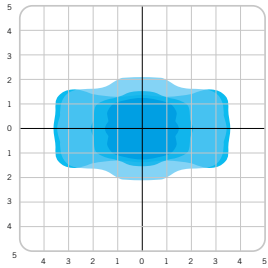
Using programmable gear, DALI and 1-10V protocol, the lighting is managed in a more efficient manner, minimising consumption and maximising performance. Integrates with all available CMS.



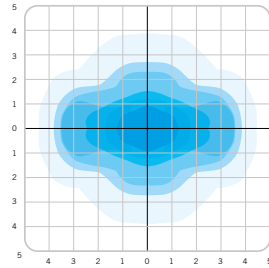
OPTICS

Features the latest generation optics for excellent light distribution. Six optics available in either Symmetric or Asymmetric options.

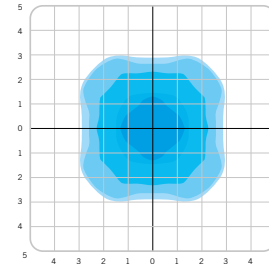
ST1 - SYMMETRIC LONG



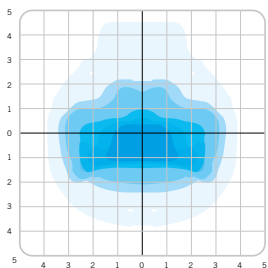
ST2 - SYMMETRIC LONG



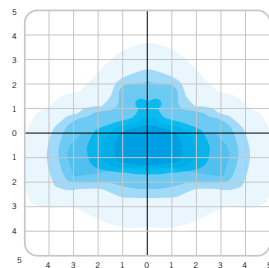
ST3 - SYMMETRIC LONG



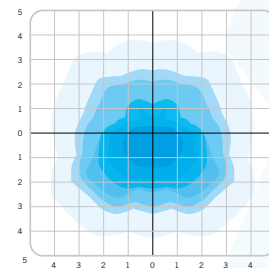
AS1 - LONG & NARROW



AS2 - ASYMMETRIC



AS3 - ASYMMETRIC



NOTE: Given the constant upgrading of technology and LEDs, the values, data or measurements may change without prior notice.

TYPICAL LUMINAIRE PERFORMANCE

CONFIGURATION	DELIVERED LUMENS	POWER CONSUMPTION	DRIVER CURRENT	PROJECTED LIFE OF LED MODULE (L70B50 @Tq 25°C)
SCL.LA024	c.2000	19W	675mA	100,000 hrs
SCL.LA034	c.3000	25W	469mA	100,000 hrs
SCL.LA044	c.4000	36W	675mA	100,000 hrs
SCL.LA054	c.5000	43W	403mA	100,000 hrs
SCL.LA064	c.6000	52W	492mA	100,000 hrs
SCL.LA074	c.7000	62W	591mA	100,000 hrs
SCL.LA094	c.9000	82W	788mA	100,000 hrs
SCL.LA124	c.12000	104W	628mA	100,000 hrs
SCL.LA154	c.15000	139W	830mA	100,000 hrs

LUMEN MAINTENANCE FACTORS

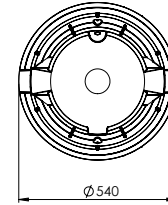
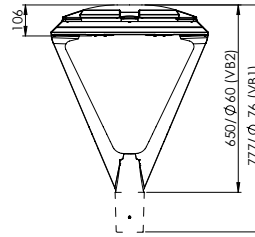
AMBIENT	WATTAGE	INITIAL LMF	25K HOUR PROJECTED LMF	50K HOUR PROJECTED LMF	75K HOUR PROJECTED LMF	100K HOUR CALCULATED LMF
25° C	19W	1.0	0.98	0.96	0.93	0.91
	25W	1.0	0.98	0.96	0.93	0.91
	36W	1.0	0.98	0.96	0.93	0.91
	43W	1.0	0.98	0.96	0.93	0.91
	52W	1.0	0.98	0.96	0.93	0.91
	62W	1.0	0.96	0.92	0.87	0.83
	82W	1.0	0.96	0.92	0.87	0.83
	104W	1.0	0.97	0.94	0.91	0.88
139W	1.0	0.97	0.93	0.90	0.87	

MEASUREMENTS

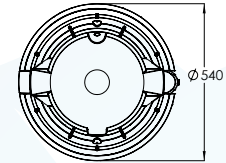
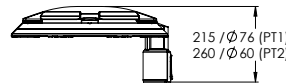
Dimensions in mm



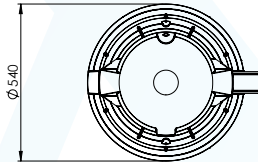
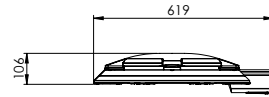
VB mounting



PT mounting



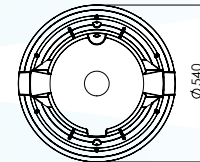
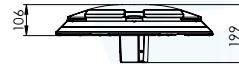
SE mounting



Same total length for versions SE1 (Ø 34/42) and SE2 (Ø 49/60)



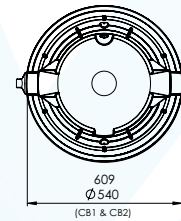
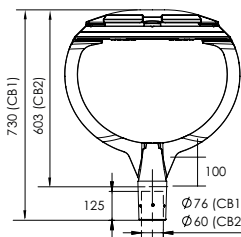
CP mounting



Same total height for versions CP1 (Ø 76) and CP2 (Ø 60)



CB mounting



WEIGHT

VB1 up to L094	13.50 kg
VB1 L124 & L154	16.00 kg
VB2 up to L094	12.50 kg
VB2 L124 & L154	15.00 kg
SE2/PT2 up to L094	10.00 kg
SE2/PT2 L124 & L154	12.60 kg
CP2 up to L094	10.16 kg
CP2 L124 & L154	12.70 kg
CB1 up to L094	13.90 kg
CB1 L124 & L154	16.40 kg
CB2 up to L094	12.90 kg
CB2 L124 & L154	15.40 kg

WINDAGE

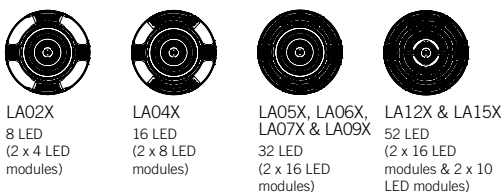
VB2	0.1027 m ²
VB1	0.1139 m ²
SE2	0.0545 m ²
SE1	0.0519 m ²
PT2	0.0545 m ²
PT1	0.0598 m ²
CP2	0.0524 m ²
CP1	0.0540 m ²
CB1	0.1203 m ²
CB2	0.1082 m ²

Holophane CityMax Series



VARIATION CONFIGURATOR

Code	Luminaire (required)									
SCL	CityMax Luminaire									
Code	Lamp Type (required)									
.LA023	2000lm LED module with 3000K colour temperature, 70CRI									
.LA033	3000lm LED module with 3000K colour temperature, 70CRI									
.LA043	4000lm LED module with 3000K colour temperature, 70CRI									
.LA053	5000lm LED module with 3000K colour temperature, 70CRI									
.LA063	6000lm LED module with 3000K colour temperature, 70CRI									
.LA073	7000lm LED module with 3000K colour temperature, 70CRI									
.LA093	9000lm LED module with 3000K colour temperature, 70CRI									
.LA123	12000lm LED module with 3000K colour temperature, 70CRI									
.LA024	2000lm LED module with 4000K colour temperature, 70CRI									
.LA034	3000lm LED module with 4000K colour temperature, 70CRI									
.LA044	4000lm LED module with 4000K colour temperature, 70CRI									
.LA054	5000lm LED module with 4000K colour temperature, 70CRI									
.LA064	6000lm LED module with 4000K colour temperature, 70CRI									
.LA074	7000lm LED module with 4000K colour temperature, 70CRI									
.LA094	9000lm LED module with 4000K colour temperature, 70CRI									
.LA124	12000lm LED module with 4000K colour temperature, 70CRI									
.LA154	15000lm LED module with 4000K colour temperature, 70CRI									
Code	Distribution (required)									
.ST1	Symmetric long distribution									
.ST2	Symmetric wide distribution									
.ST3	Symmetric distribution									
.AS1	Long & narrow distribution									
.AS2	Asymmetric distribution									
.AS3	Asymmetric distribution									
Code	Mounting (option)									
.PT1 ¹	Post Top 76mm									
.PT2 ¹	Post Top 60mm									
.SE1 ¹	Side Entry 34/42									
.SE2 ¹	Side Entry 49/60mm									
.CP1	Central Post 76mm									
.CP2	Central Post 60mm									
.VB1	Cradle Mount 76mm									
.VB2	Cradle Mount 60mm									
.CB1	Curved Mount 76mm									
.CB2	Curved Mount 60mm									
Code	Colour (required)									
.C1	Smooth White (RAL9016)									
.C4	Graphite (RAL7011)									
.C6	Smooth Grey (RAL7035)									
.C7	Black (RAL9005)									
.C9	Metallic Silver (RAL9006)									
Code	Paint Finish (option)									
.C	Enhanced Paint Finish									
Code	Photocell (option)									
.T1	Complete with NEMA socket. (To accept standard NEMA Photocell)									
.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									
Code	Dimming Outputs (option)									
.LRD	DALI enabled									
.LRT*****	Dimming as per customer requirements									
Code	Control Gear (option)									
.CL7 ²	LED programmed to deliver 70% lumen flow over the life of the luminaire									
.CL8 ²	LED programmed to deliver 80% lumen flow over the life of the luminaire									
.CL9 ²	LED programmed to deliver 90% lumen flow over the life of the luminaire									
Code	Electrical Class									
.CII	Class II									
Code	Protection									
.C-PROTEC	Overvoltage protection									
Code	Wattage (required*)									
.W019 to	19W to 126W									
.W126										



SCL	.L023	.ST1	.CP1	.C9	.C	.T1	.LRD	.CL7 ²	.CII	.C-PROTEC
Example										

¹ Not available with ST1 and ST2

² Not available with LRD

Please contact your local Holophane representative for further details on the 3000K and amber options.

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%.

*Wattage is determined by the lumen package selected.