HOLOPHANE®

AcuityBrands.
Expanding the boundaries of lighting™

THE QUEEN'S AWARDS
FOR ENTERPRISE:
INNOVATION
2017



D-SERIES

D-Series

LED



D-SERIES

Thermal Management

System Longevity

Striking Style

Fully Controllable



DSX2



DSX1

energyefficient





The modern styling of the **D-Series** is striking yet unobtrusive - making a bold, progressive statement as it blends seamlessly with its environment. **D-Series** takes all the benefits of LED technology and moulds it into a high performance, high efficacy and long life area lighting luminaire.

With its exceptional 'finned' thermal management system, D-Series is capable of delivering over 100,000 hours LED module life. Offering a wide range of lumen packages and optical distributions, D-Series delivers optimised lighting application designs.

With the integrated DALI option D-Series delivers a controllable luminaire that helps you realise energy consumption goals and demonstrate environmental responsibility. With its unique optics placed below each LED it ensures light is delivered where it needs to be, providing a uniform Nightime Friendly environment with minimal light pollution.

optics / light source

> 30, 60, 80 & 100 LED options available.

> Fully soak tested light engines ensuring LED reliability and eliminating early failures.

> 4000°K colour temperature.

> RA 70.

> Eight lumen packages available (5,000, 6,000, 8,000 11,000, 16,000, 22,000, 30,000 & 36,000).

approvals

Complies with EN60598

CE

IP IP65 luminaire* and LED optic

Ta -40°C to +40°C

* .TLS option is IP43 rated with IP65 LED optics

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

Crafted in Britain

Typical Luminaire Performance

Configuration	Delivered Lumens	Power Consumption	Drive Current	Rated Life of LED Module (L70B50 @Tq 20°C)*
DSX1.LA054	4870	36W	350mA	100,000+ hrs
DSX1.LA064	6653	52W	525mA	100,000+ hrs
DSX1.LA084	8450	68W	700mA	100,000+ hrs
DSX1.LA114	11557	105W	1050mA	100,000+ hrs
DSX1.LA164	16437	131W	700mA	100,000+ hrs
DSX1.LA224	22479	208W	1050mA	100,000+ hrs
DSX2.LA304	30188	282W	1050mA	100,000+ hrs
DSX2.LA364	36500	328W	1000mA	100,000+ hrs

Note: Data is correct at time of print.

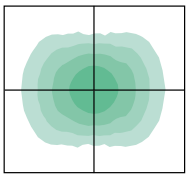
* For other life metric data in line with IEC PAS62722-2-1 and 62717 contact your Holophane Representative for details.

specification

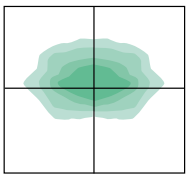
Single-piece die-cast aluminium housing, that conforms to EN1706 AC-46500, with integral heat sink fins to optimise thermal management through conductive cooling. LED modules are IP65 with individual lenses, and high grade aluminium housing to transfer heat away from the LEDs and dissipate through the finned housing for cooling. The LED driver is mounted in direct contact with the finned housing for cooling to promote low operating temperature and long system life. Housing is completely sealed against moisture and environmental contaminants (IP65). Installation is via the integrated mounting block and integral arm that facilitate a quick and easy installation.

light distribution

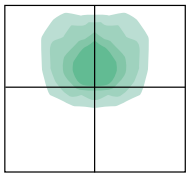
Symmetric



Asymmetric



Forward Throw



features and benefits

System Longevity

> The D-Series's diecast aluminium housing acts as its primary heat sink. Its longitudinal fins employ conductive cooling techniques to dissipate heat away from the key LED components and driver that extends the life of the luminaire.

> Light engine(s) consist of either 20 or 30 high efficacy LEDs (subject to chosen configuration) mounted to a metal-core circuit board to maximize heat dissipation and promote long life.

Exceptional Performance

> Offering six lumen packages ranging from 5000 lm to 36,000 lm with efficiencies of up to 130 lpw (Lumens Per Watts).

> Three optimised distributions (asymmetric, symmetric and forward throw) delivered by quality LEDs and bespoke UV stabilised optics.

> LED light engines with 0% ULOR ensuring night time friendly.

Complete Light Package

> Available with DALI compatible driver and photocell options enabling control compatability.

> Fully integrated into Holophane standard column range.

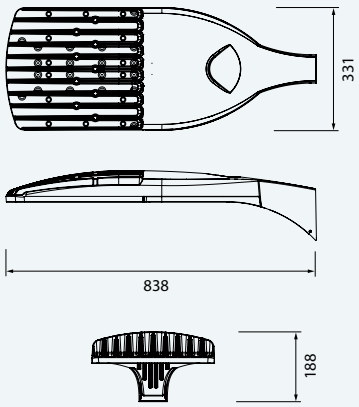
applications

Landscaped areas
Car parks
Amenity areas
Town squares
Retail parks
Entrance roads
Parks

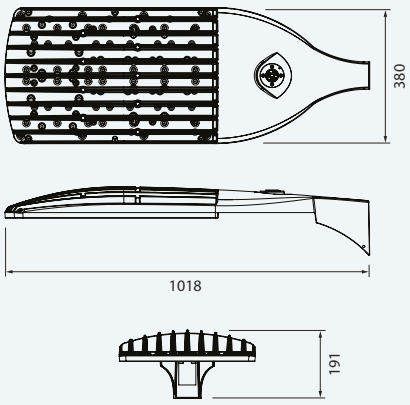


dimensions in mm

D-Series 1



D-Series 2



weight (with control gear)

DSX 1	12.2kg
DSX 2	15.0kg

windage (effective projected area)

DSX1	0.07m^2
DSX2	0.10m^2

TA

-40°C to 40°C



Note: The specifications of the Holophane luminaire and columns represents typical values. 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.

ordering details - luminaire

Code									
DSX1	D-Series 1 Luminaire								
DSX2	D-Series 2 Luminaire								
	Code	**Lamp Type** (required)							
	.LA054*	LED light engine producing c 5,000 lumens with a nominal 4000˚K colour temperature							
	.LA064*	LED light engine producing c 6,000 lumens with a nominal 4000˚K colour temperature							
	.LA084*	LED light engine producing c 8,000 lumens with a nominal 4000˚K colour temperature							
	.LA114*	LED light engine producing c 11,000 lumens with a nominal 4000˚K colour temperature							
	.LA164*	LED light engine producing c 16,000 lumens with a nominal 4000˚K colour temperature							
	.LA224*	LED light engine producing c 22,000 lumens with a nominal 4000˚K colour temperature							
	.LA304**	LED light engine producing c 30,000 lumens with a nominal 4000˚K colour temperature							
	.LA364**	LED light engine producing c 36,000 lumens with a nominal 4000˚K colour temperature							
		Code	**Light Distribution** (required)						
		.AY	Asymmetric						
		.SY	Symmetric						
		.FW	Forward throw						
			Code	**Colour** (required)					
			.C1	White RAL9016					
			.C4	Graphite RAL7011					
			.C6	Grey RAL7035					
			.C7	Black RAL9005					
			.C9	Metallic Silver RAL9006					
			.RAL****	RAL Colour (customer choice)					
				Code	**Photocell** (option)				
				.T	Mini Photocell				
				.T1	Complete with NEMA socket (To accept standard NEMA Photocell, available from Holophane)				
				.T5	Complete with 5-pin dimming NEMA ANSI C136.41 socket (suitable photocell/node supplied by others) without locking top				
				.T7	Complete with 7-pin dimming NEMA ANSI C136.41 socket (suitable 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				
					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			
					.D2	DALI HF electronic control gear			
						Code	**Dimming Outputs** (option)		
						.LRT56	Pre-set to dim to 50% between 12am to 6am		
						.LRT66	Pre-set to dim to 60% between 12am to 6am		
						.LRT76	Pre-set to dim to 70% between 12am to 6am		
							Code	**Controls** (option)	
							.TSK	Integrated Wireless Lighting Controller & Antennae	
								Code	**Paint Finish** (option)
								.C	Enhanced Paint Finish
Example	DSX1	.LA224	.AY	.C7	.T1	.CL7	.LRT56	.TSK	.C





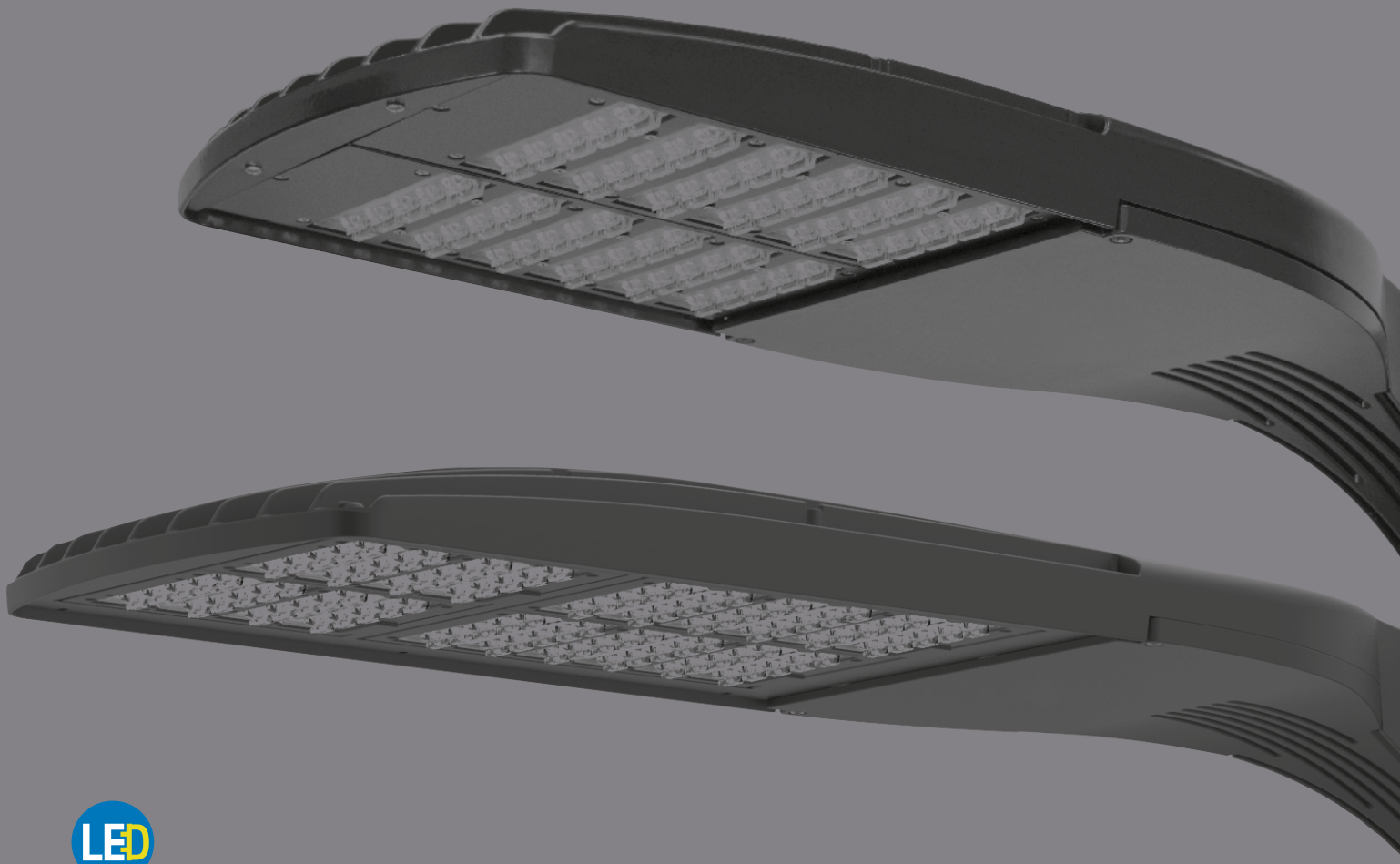
*DSX1 only **DSX2 only

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%.



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LED

D-SERIES

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