



**HOLOPHANE®**

**AcuityBrands.**  
Expanding the boundaries of lighting™



# D-SERIES

D-Series





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Thermal Management  
System Longevity  
Striking Style  
Fully Controllable

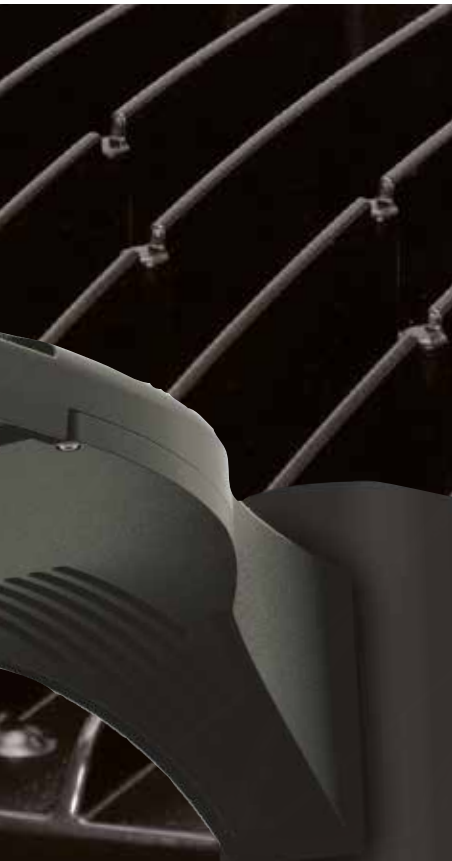


DSX2



DSX1





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 Nighttime 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.
- > 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](http://www.holophane.co.uk)



#### Typical Luminaire Performance

Configuration	Delivered Lumens	Power Consumption	Drive Current	Rated Life of LED Module (L70B50 @Tq 20°C)*
DSX1.LA054	4842	34W	350mA	100,000+ hrs
DSX1.LA064	6653	51W	525mA	100,000+ hrs
DSX1.LA084	8450	68W	700mA	100,000+ hrs
DSX1.LA114	11557	98W	1050mA	100,000+ hrs
DSX1.LA164	16437	137W	700mA	100,000+ hrs
DSX1.LA224	22479	195W	1050mA	100,000+ hrs
DSX2.LA304	30188	260W	1050mA	100,000+ hrs
DSX2.LA364	36500	326W	1050mA	100,000+ hrs

**Note:** Data is correct at time of print.

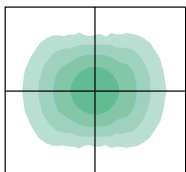
\* For other life metric data in line with IEC PAS62722-2-1 and 62717 contact your Holophane Representative for details.

## specification

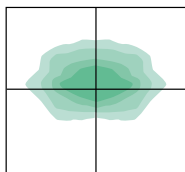
Single-piece die-cast aluminium housing, that conforms to EN1706 AC-46500, with integral heat sink fins to optimise thermal management through conductive cooling. LED modules are IP65 with individual lenses, and high grade aluminium housing to transfer heat away from the LEDs and dissipate through the 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

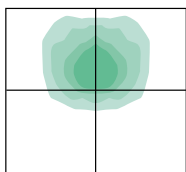
Symmetric



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 compatibility.
- > Fully integrated into Holophane standard column range.

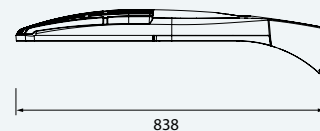
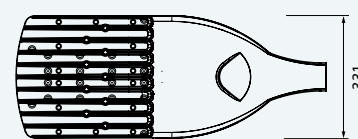
## applications

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

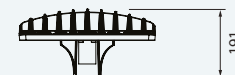
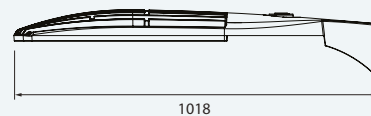
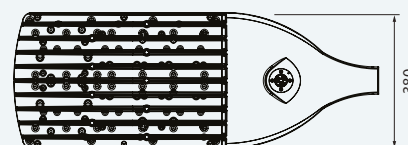


dimensions in mm

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 <sup>2</sup>
DSX2	0.10m <sup>2</sup>

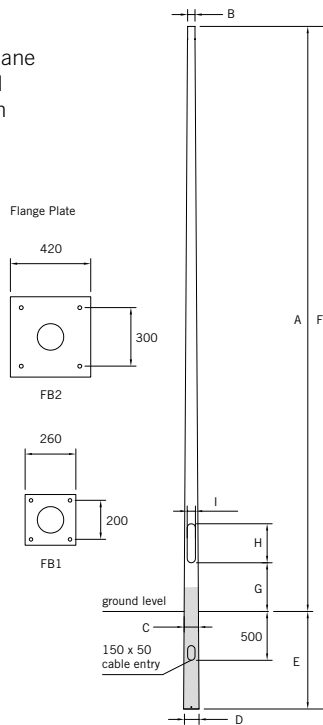
## TA

-40°C to 40°C

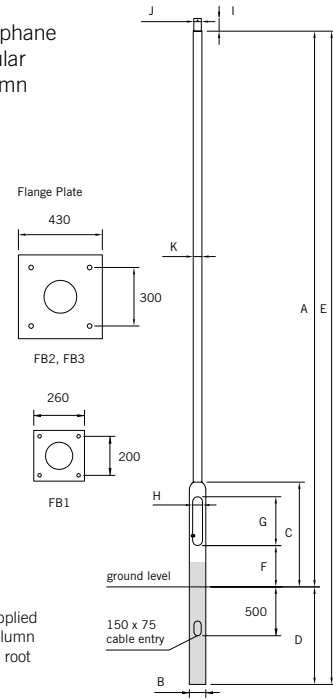




### Holophane Conical Column



### Holophane Tubular Column



All columns are supplied with Earthing on column doors and Bitumen root as a standard.

#### Holophane Conical Column

Height (m)	Nominal Height	Top Diameter	Base Diameter	Root End Diameter	Planting Depth	Overall Length	Door to Ground	Door Opening Length	Door Opening Width	Weight kg*	Bending Moment Nm
drawing ref	A	B	C	D	E	F	G	H	I		
<b>5m std</b>	5000	76	136	146	800	5800	500	500	100	46.30	4900
<b>5m hd</b>	5000	76	161	175	800	5800	500	500	100	52.60	6960
<b>6m std</b>	6000	76	148	160	1000	7000	500	500	100	65	5800
<b>6m hd</b>	6000	76	178	195	1000	7000	500	500	100	65	8070
<b>8m std</b>	8000	76	171	186	1200	9200	500	600	115	88	11920
<b>8m hd</b>	8000	76	212	232	1200	9200	500	600	115	110	18000
<b>10m std</b>	10000	76	196	214	1500	11500	500	600	115	174	TBC
<b>10m hd</b>	10000	76	246	271	1500	11500	500	600	115	208	TBC

Code	Height	Flange Plate	Bolt
<b>HELC.FS1</b>	3-5m Poles	FB1	M18 x 400
<b>HELC.FS2</b>	6m Poles	FB1	M24 x 500
<b>HELC.FS3</b>	8-10m Poles	FB2	M24 x 500

\* Exclusion TBC

#### Holophane Tubular Column

Height (m)	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 Nm
drawing ref	A	B	C	D	E	F	G	H	I	J	K		
<b>5m std</b>	4700	140	1075	800	5500	425	500	100	—	—	76	36.13	6200
<b>5m hd</b>	4700	168	1075	800	5500	425	500	100	130	76	89	50.7	9865
<b>6m std</b>	5700	140	1075	1000	6700	425	500	100	—	—	76	42.69	6000
<b>6m hd</b>	5700	168	1075	1000	6700	425	500	100	130	76	89	60.07	9550
<b>8m std</b>	7700	168	1250	1200	8900	500	600	115	130	76	89	77.30	10100
<b>8m hd</b>	7700	168	1250	1200	8900	500	600	115	250	102	114	96.32	14000
<b>10m std</b>	9700	168	1250	1500	11200	500	600	115	250	—	114	142.10	TBC
<b>10m hd</b>	9700	194	1250	1500	11200	500	600	115	250	—	114	141.61	TBC
<b>12m std</b>	11700	194	1250	1700	13400	500	600	115	250	—	114	165.58	TBC

Code	Height	Flange Plate	Bolt
<b>HELB.FS1</b>	3-5m Poles	FB1	M18 x 400
<b>HELB.FS2</b>	6m Poles	FB1	M18 x 400
<b>HELB.FS3</b>	6m hd-12m Poles	FB2	M24 x 500

\* Exclusion TBC

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

**std** = Standard **hd** = Heavy Duty

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


**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

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



Code	Light Distribution
.AY	Asymmetric
.SY	Symmetric
.FW	Forward throw

Code	Colour
.C1	White RAL9016
.C4	Graphite RAL7011
.C6	Grey RAL7035
.C7	Black RAL9005
.C9	Metallic Silver RAL9006
.RAL****	RAL Colour (customer choice)**

Code	Photocell
.C	Enhanced Paint Finish
.T1	Complete with NEMA socket (To accept standard NEMA Photocell, available from Holophane)
.T	Mini Photocell
.TLS	Tool-less entry trigger latch*
.D2	DALI HF electronic control gear


Example	DSX1	.LA224	.AY	.C7	.T

\* .TLS option is IP43 rated with IP65 LED optics

### Code

DSX2 D-Series 2 Luminaire

Code	Lamp Type (required)
.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
.AY	Asymmetric
.SY	Symmetric
.FW	Forward throw

Code	Colour
.C1	White RAL9016
.C4	Graphite RAL7011
.C6	Grey RAL7035
.C7	Black RAL9005
.C9	Metallic Silver RAL9006
.RAL****	RAL Colour (customer choice)**

Code	Photocell
.C	Enhanced Paint Finish
.T1	Complete with NEMA socket (To accept standard NEMA Photocell, available from Holophane)
.T	Mini Photocell
.TLS	Tool-less entry trigger latch*
.D2	DALI HF electronic control gear

Example	DSX2	.LA364	.AY	.C7	.T

\* .TLS option is IP43 rated with IP65 LED optics

## ordering details - columns and brackets

To find out more  
please visit  
[www.holophane.co.uk](http://www.holophane.co.uk)

### Code

DSX1B	D-Series 1 Tubular Compartment Column
DSX1C	D-Series 1 Conical Steel Column
DSX2B	D-Series 2 Tubular Compartment Column
DSX2C	D-Series 2 Conical Steel Column

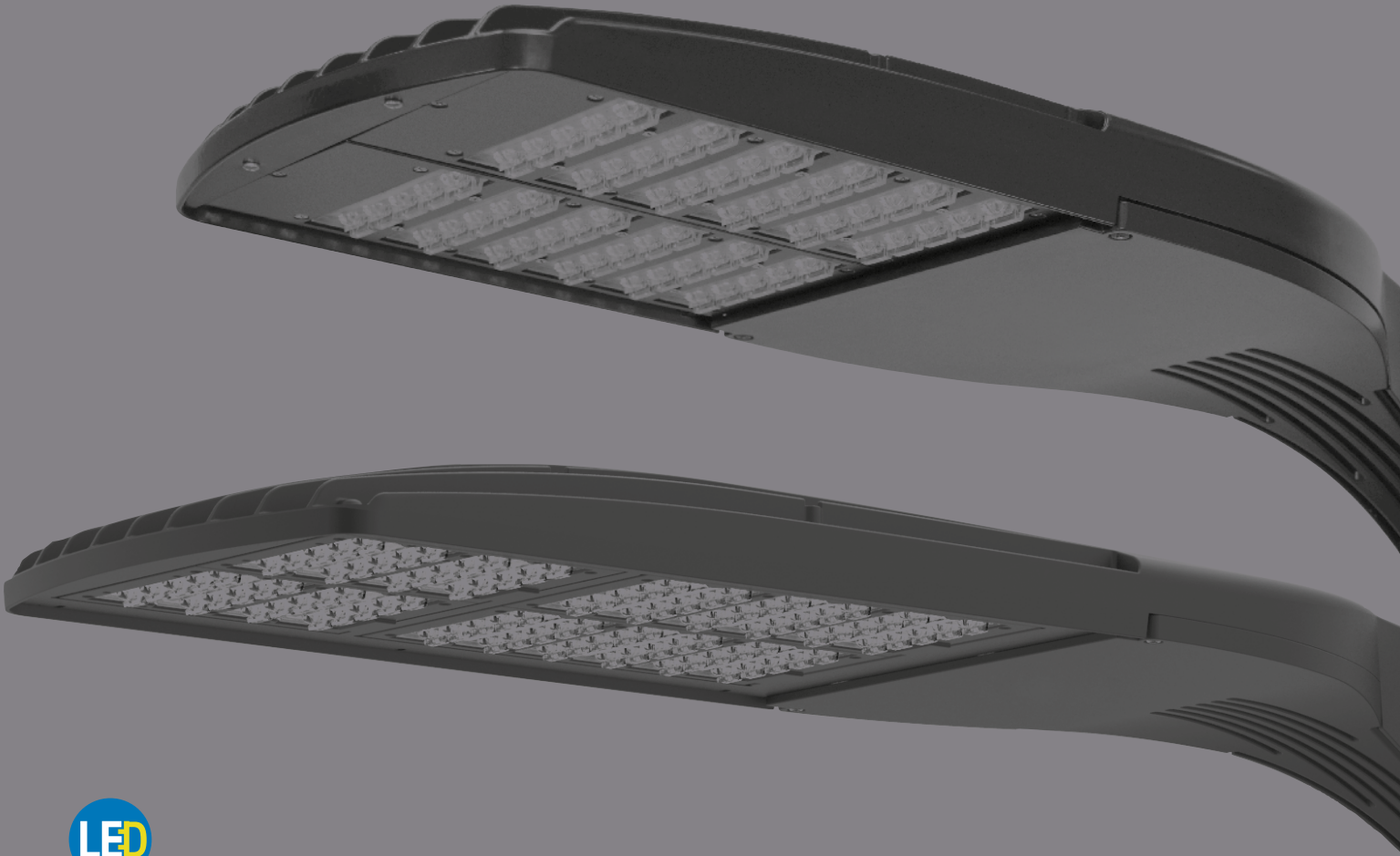
Code	Luminaire Mounting Height
.5	5 metres*
.6	6 metres*
.8	8 metres
.10	10 metres
.12	12 metres**
Code	Brackets
.1A	Single head short bracket
.2A	Single head long bracket
Code	Column Category
.LMZ	For light & medium area wind zones
.HVZ	For heavy area wind zones
.HEZ	For extra heavy area wind zones
Code	Colour (bracket finish only)
.GV	Galvanised only bracket
.GV1	Galvanised and painted white (RAL 9016)
.GV4	Galvanised and painted graphite (RAL 7011)
.GV6	Galvanised and painted grey (RAL 7035)
.GV7	Galvanised and painted black (RAL 9005)
.GV9	Galvanised and painted silver (RAL 9006)
.GVRAL****	RAL Colour (customer choice)**
Code	Optional Base Type
.FB1	Flange base
.FB2	Flange base
Code	Optional Column Finish
.P1	Black undercoat primed

Example

DSX1B .8 .1A .LMZ .GV7 .FB1 .P1

\* Only available with DSX1. \*\* Only available with DSX1B and DSX2B.

Full details of Holophane columns can be found on our website [www.holophane.co.uk](http://www.holophane.co.uk)



# J-SERIES

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