D-Series Size 2
LED Area Luminaire

d"series

DLC QPL LISTED

NIGHTTIME FRIENDLY

LED lighting facts — LED Product Partner

Introduction

The modern styling of the D-Series is striking yet unobtrusive - making a bold, progressive statement even as it blends seamlessly with its environment.

The D-Series distills the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire. The outstanding photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. The Size 2 is ideal for replacing 400-1000W metal halide in area lighting applications with energy savings of up to 80% and expected service life of over 100,000 hours.

Specifications

EPA:	1.1 ft² (0.10 m²)
Length:	40" (101.6 cm)
Width:	15" (38.1 cm)
Height:	7-1/4" (18.4 cm)
Weight (max):	36 lbs (16.3 kg)

W L H
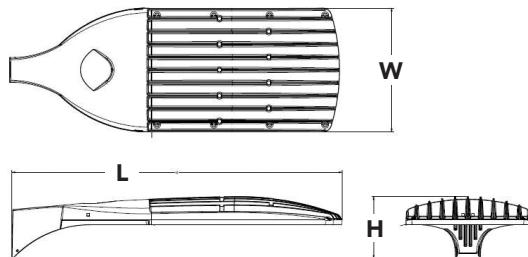
Ordering Information

EXAMPLE: DSX2 LED 80C 1000 40K T4M MVOLT SPA DDBXD

DSX2 LED

Series	LEDs	Drive current	Color temperature	Distribution		Voltage	Mounting	
DSX2 LED	**Forward optics**	530 530 mA	30K 3000 K	T1S Type I Short	T5VS Type V Very Short	MVOLT [7]	**Shipped included**	
	80C 80 LEDs (four engine)	700 700 mA	40K 4000 K	T2S Type II Short	T5S Type V Short	120 [7]	SPA Square pole mounting	
		1000 1000 mA [2] (1 A)	50K 5000 K	T2M Type II Medium	T5M Type V Medium	208 [7]	RPA Round pole mounting	
	100C 100 LEDs (four engines)	1200 1200 mA [2,3] (1.2 A)	AMBPC Amber phosphor converted [4]	T3S Type III Short	T5W Type V Wide	240 [7]	WBA Wall bracket	
				T3M Type III Medium	BLC Backlight control [2,5,6]	277 [7]	SPUMBA Square pole universal mounting adaptor [9]	
	Rotated optics [1]			T4M Type IV Medium	LCCO Left corner cutoff [2,5,6]	347 [7]	RPUMBA Round pole universal mounting adaptor [9]	
	90C 90 LEDs			TFTM Forward Throw Medium	RCCO Right corner cutoff [2,5,6]	480 [8]	**Shipped separately**	
							KMA8 DDBXD U Mast arm mounting bracket adaptor (specify finish) [10]	

Control options

Shipped installed

PER	NEMA twist-lock receptacle only (no controls) [11]
PER5	Five-wire receptacle only (no controls) [11,12]
PER7	Seven-wire receptacle only (no controls) [11,12]
DMG	0-10V dimming driver (no controls) [13]
DCR	Dimmable and controllable via ROAM® (no controls) [14]
DS	Dual switching [15,16]
PIRH	Bi-level, motion/ambient sensor, 15-30' mounting height, ambient sensor enable at 5fc [17]
PIRH1FC3V	Bi-level, motion sensor, 15'-30' mounting height, ambient sensor enabled at 1fc [17]
BL30	Bi-level switched dimming, 30% [16,18]
BL50	Bi-level switched dimming, 50% [16,18]
PNMTDD3	Part night, dim till dawn [19]
PNMT5D3	Part night, dim 5 hrs [19]
PNMT6D3	Part night, dim 6 hrs [19]
PNMT7D3	Part night, dim 7 hrs [19]
FAO	Field Adjustable Output [19]

Other options

Shipped installed

HS	House-side shield [21]
SF	Single fuse (120, 277, 347V) [7]
DF	Double fuse (208, 240, 480V) [7]
L90	Left rotated optics [22]
R90	Right rotated optics [22]
BS	Bird spikes

Finish *(required)*

DDBXD	Dark bronze
DBLXD	Black
DNAXD	Natural aluminum
DWHXD	White
DDBTXD	Textured dark bronze
DBLBXD	Textured black
DNATXD	Textured natural aluminum
DWHGXD	Textured white

Accessories
Ordered and shipped separately

Controls & Shields

DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) [23]
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) [23]
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) [23]
DSHORT SBK U	Shorting cap [23]
DSX2HS 80C U	House-side shield for 80 LED unit [21]
DSX2HS 90C U	House-side shield for 90 LED unit [21]
DSX2HS 100C U	House-side shield for 100 LED unit [21]
PUMBA DDBXD U*	Square and round pole universal mounting bracket (specify finish) [24]
KMA8 DDBXD U	Mast arm mounting bracket adaptor (specify finish) [10]

For more control options, visit DTL and ROAM online.

NOTES

1. Rotated optics option (L90 or R90) required for 90C.
2. Not available in AMBPC.
3. Not available with BLC, LCCO or RCCO distributions.
4.
5. Only available with 530mA or 700mA.
6. Not available with 1200mA.
7. Not available with HS.
8. MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
9. Not available with BL30, BL50 or PNMT options.
10. Existing drilled pole only. Available as a separate combination accessory; for retrofit use only: PUMBA (finish) U; 1.5 G vibration load rating per ANCI C136.31.
11. Must be ordered as a separate accessory; see Accessories information. For use with 2-3/8" mast arm (not included).
12. Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Not available with DS option.
13. If ROAM® node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls. Not available with DCR. Node with integral dimming.
14. DMG option for 347V or 480V requires 1000mA.
15. Specifies a ROAM® enabled luminaire with 0-10V dimming capability; PER option required. Additional hardware and services required for ROAM® deployment; must be purchased separately. Call 1-800-442-6745 or email: sales@roamservices.net. N/A with DS, PIRH, PER5, PER7, BL30, BL50 or PNMT options. Node without integral dimming.
16. Provides 50/50 luminaire operation via two independent drivers on two separate circuits. N/A with 80C 530, 90C 530, PER, PER5, PER7, DCR, BL30, BL50 or PNMT options.
17. Requires an additional switched circuit.
18. PIRH and PIRH1FC3V specify the SensorSwitch SBGR-6-ODP control; see Outdoor Control Technical Guide for details. Dimming driver standard. Not available with PER5 or PER7. Ambient sensor disabled when ordered with DCR. Separate on/off required.
19. Dimming driver standard. MVOLT only. Not available with 347V, 480V, DCR, DS, PER5, PER7 or PNMT options.
20. Dimming driver standard. MVOLT only. Not available with 347V, 480V, DCR, DS, PER5, PER7, BL30 or BL50. Not available with PIRH1FC3V. Separate on/off required.
21. Dimming driver standard. Not available with PER5, PER7, DMG, DCR, DS, BL30, BL50 or PNMT options, PIRH or PIRH1FC3V.
22. Not available with BLC, LCCO and RCCO distribution. Also available as a separate accessory; see Accessories information.
23. 90 LEDs (90C option) only.
24. Requires luminaire to be specified with PER option. Ordered and shipped as a separate line item from Acuity Brands Controls.
25. For retrofit use only.

LITHONIA LIGHTING®

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DSX2-LED
Rev. 11/29/16
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SOFT SQUARE STEEL
DS330
Fatique Resistant

Job Name: _____	Client Name: _____
Job Location - City: _____ State: _____	Created By: _____ Date: _____
Product: _____ Quote: _____	Customer Approval: _____ Date: _____

Tenon Top*

Pole Cap - Plastic

Cross Section

Handhole

Full Base Cover (Standard)

Dart Square - 2T (Optional)

Nominal Mounting Height

Handhole

1'-6"
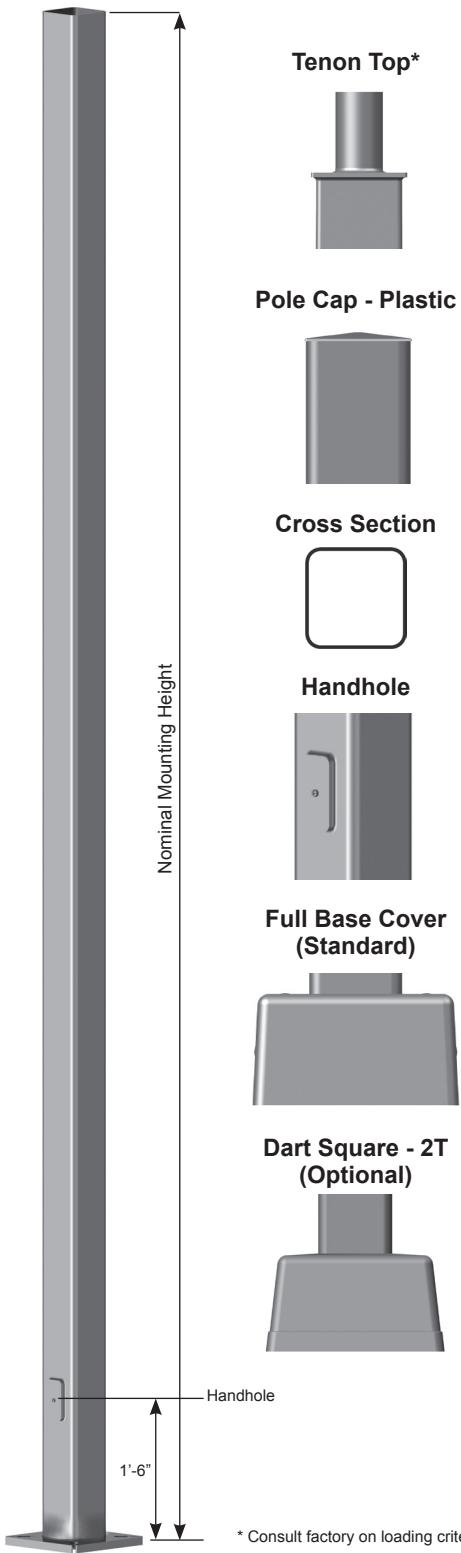
SPECIFICATIONS

Pole - The pole shaft is fabricated from hot rolled commercial quality carbon steel of one-piece construction with a minimum yield strength of 55,000 psi.

Pole Top - A removable pole cap is provided for poles receiving drilling patterns for side-mount luminaire arm assemblies. For top mount luminaire and/or bracket consult the factory.

Handhole - A covered handhole and grounding provision with hardware is provided.

Full Base Cover - The two-piece standard full base cover is fabricated from ABS plastic. Optional Dart Square-2T cast and decorative base covers available as special order.

Anchor Base - The anchor base (base plate) conforms to ASTM A36.

Anchor Bolts - Anchor bolts conform to ASTM F1554 Grade 55 and are provided with two hex nuts and two flat washers. Bolts have an "L" bend on one end and are galvanized a minimum of 12" on the threaded end.

Hardware - All structural fasteners are galvanized high strength carbon steel. All non-structural fasteners are galvanized or zinc-plated carbon steel or stainless steel.

Finish - Standard finishes are galvanized, prime painted or any of Valmont's V-PRO™ Protection Systems. Additional finish options available upon request.

Design Criteria - Please reference Design Criteria Specification for appropriate design conditions.

* Consult factory on loading criteria for pole top mounted luminaires and/or brackets.

VALMONT INDUSTRIES, INC.   28800 IDA STREET, PO BOX 358 - VALLEY, NE 68064 USA   800.825.6668   VALMONTSTRUCTURES.COM

SOFT SQUARE STEEL
DS330
Fatique Resistant

valmont V
STRUCTURES

Job Name: _____   Client Name: _____

Job Location - City: _____ State: _____   Created By: _____ Date: _____

Product: _____ Quote: _____   Customer Approval: _____ Date: _____

ANCHORAGE DATA

POLE		BASE PLATE				ANCHOR BOLTS		
POLE BASE SQUARE (IN)	WALL THK (GA)	BOLT CIRCLE DIA (IN)	± (IN)	SQUARE (IN)	THK (IN)	DIA x LENGTH x HOOK (IN)	PROJECTION (IN)	± (IN)
4.00	11	8.50	0.50	8.25	0.750	0.75 x 17.00 x 3.00	3.50	0.25
4.00	7	8.50	0.50	8.25	0.875	0.75 x 17.00 x 3.00	3.63	0.25
5.00	11	11.00	1.00	11.00	1.000	0.75 x 17.00 x 3.00	3.75	0.25
5.00	7	11.00	1.00	11.00	1.000	0.75 x 17.00 x 3.00	3.75	0.25
6.00	7	12.00	1.00	12.50	1.000	1.00 x 36.00 x 4.00	4.25	0.25

Anchor Base Detail

180°

Bolt Slots/Holes

Bolt Circle

90°   As viewed from top of pole.   270°

0° - Handhole
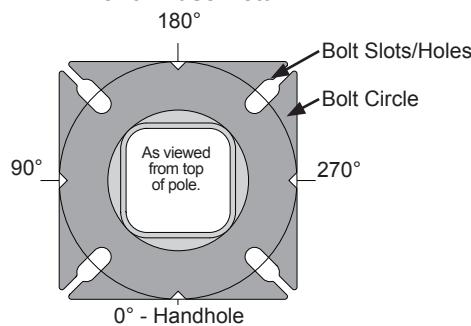
LOAD AND DIMENSIONAL DATA

	DESIGN INFORMATION						POLE DIMENSIONS (3)				
NOMINAL MOUNTING HEIGHT	80 MPH w/1.3 GUST		90 MPH w/1.3 GUST		100 MPH w/1.3 GUST		BASE SQUARE OD (3) (IN)	TOP SQUARE OD (IN)	WALL THK (GA)	STRUCTURE WEIGHT[2] (LBS)	MODEL NUMBER
	MAX EPA[1] (SQ FT)	MAX WEIGHT[1] (LBS)	MAX EPA[1] (SQ FT)	MAX WEIGHT[1] (LBS)	MAX EPA[1] (SQ FT)	MAX WEIGHT[1] (LBS)					
10'-0"	30.6	765	23.8	595	18.9	473	4.00	4.00	11	75	S400Q100
12'-0"	24.4	610	18.8	470	14.8	370	4.00	4.00	11	90	S400Q120
14'-0"	19.9	498	15.1	378	11.7	293	4.00	4.00	11	100	S400Q140
16'-0"	15.9	398	11.8	295	8.9	223	4.00	4.00	11	115	S400Q160
18'-0"	12.6	315	9.2	230	6.7	168	4.00	4.00	11	125	S400Q180
20'-0"	9.6	240	6.7	167	4.5	150	4.00	4.00	11	140	S400Q200
	17.7	443	12.7	343	9.4	235	5.00	5.00	11	185	S500Q200
	28.1	703	21.4	535	16.2	405	5.00	5.00	7	265	S500W200
25'-0"	4.8	150	2.6	100	1.0	50	4.00	4.00	11	170	S400Q250
	10.8	270	7.7	188	5.4	135	4.00	4.00	7	245	S400W250
	9.8	245	6.3	157	3.7	150	5.00	5.00	11	225	S500Q250
	18.5	463	13.3	333	9.5	238	5.00	5.00	7	360	S500W250
30'-0"	6.7	168	4.4	110	2.6	65	4.00	4.00	7	291	S400W300
	4.7	150	2.0	50	N/A	N/A	5.00	5.00	11	265	S500Q300
	10.7	267	6.7	167	3.9	100	5.00	5.00	7	380	S500W300
	19.0	475	13.2	330	9.0	225	6.00	6.00	7	520	S600W300
35'-0"	5.9	150	2.5	100	N/A	N/A	5.00	5.00	7	440	S500W350
	12.4	310	7.6	190	4.2	105	6.00	6.00	7	540	S600W350
40'-0"	7.2	180	3.0	75	N/A	N/A	6.00	6.00	7	605	S600W400

1. Maximum EPA (Effective Projected Area) and weight values are based on side mounted fixtures only. Consult factory on loading criteria for pole top mounted luminaires and/or brackets. Variations from sizes above are available upon inquiry at the factory. Satisfactory performance of poles is dependent upon the pole being properly attached to a supporting foundation of adequate design.
2. Structure weight is a nominal value which includes the pole shaft and base plate only.
3. Belled-bottom will have reduced thickness due to the cold-working process. However, the belled-bottom meets or exceeds the structural capacity of the original square section. In addition, the rounded section provides better fatigue resistance.

PRODUCT ORDERING CODES

DESIGN SERIES	MODEL NUMBER	FIXTURE MOUNTING	FINISH	COLOR	V-PRO™ PROTECTION SYSTEM	OPTIONS
DS330						

MODEL NUMBER
S400Q100
S400Q120
S400Q140
S400Q160
S400Q180
S400Q200
S500W200
S400Q250
S400W250
S500Q250
S500W250
S400W300
S500Q300
S500W300
S600W300
S500W350
S600W350
S600W400

FIXTURE MOUNTING
Drill Mounting
D1 = 1 Luminaire
D2 = 2 @ 180°
D4 = 4 @ 90°
D5 = 2 @ 90°
D6 = 3 @ 90°
Tenon Mounting
P2 = 2.38" OD x 4.00"
P4 = 4.00" OD x 6.00"

FINISH
GV = Galvanize
PP = Prime Paint
FP = Finish Paint
GF = Galvanized + Finish Paint

COLOR
-- = Galvanize
-- = Prime Paint
WH = White
ST = Sandstone
BK = Black
SM = Silver Metallic
SL = Silver
LG = Light Gray
SG = Slate Gray
DT = Dark Tan
MB = Medium Bronze
CB = Bronze
DB = Dark Bronze
BN = Brown
HG = Hunter Green
DG = Dark Green
RD = Red
SC = Special Color
(Contact Factory)

V-PRO™ PROTECTION SYSTEM
-- = Galvanize
-- = Prime Paint
V1 = V-PRO 1
Basic 1 Coat Powder.
V2 = V-PRO 2
2 Coat Powder or Liquid. Includes epoxy primer & top coat.
V3 = V-PRO 3
2 Coat Powder or Liquid. Includes zinc primer & top coat.
V4 = V-PRO 4
2 Coat Powder or Liquid. Includes zinc primer & premium top coat.

OPTIONS
See Accessories at valmontstructures.com
(Please Specify)