



### D-Series Size 1 LED Area Luminaire

**Specifications**  
 EPA: 0.69 ft (0.21 m)  
 Length: 32.71" (0.83 m)  
 Width: 14.56" (0.37 m)  
 Height H1: 7.88" (0.20 m)  
 Height H2: 2.23" (0.06 m)  
 Weight: 34 lbs (15 kg)

**Introduction**  
 The modern styling of the D-Series features a highly refined aesthetic that blends seamlessly with its environment. The D-Series offers the benefits of the latest in LED technology into a high performance, high efficacy, long life luminaire.

The photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. D-Series outstanding photometry aids in reducing the number of poles required in area lighting applications with typical energy savings of 65% and expected service life of over 100,000 hours.

**Ordering Information** EXAMPLE: DSX1 LED P7 40K 70CRI T3M MVOLT SPA NLTAIR2 PIRHN DBXBZ

Code	Units	Color temperature	CR	Beam Spread	Application	Mount	Shipping
DSX1 LED							
P1	76	40K	3000	70CRI	ATE	Top 1 medium	MSMT (DSX1-2700)
P2	76	40K	4000	70CRI	T15	Top 1 low glare	MSMT (DSX1-4000)
P3	76	40K	5000	70CRI	T24	Top 1 medium	MSMT (DSX1-5000)
P4	76	40K	6000	70CRI	T36	Top 1 medium	MSMT (DSX1-6000)
P5	76	40K	7000	70CRI	T48	Top 1 medium	MSMT (DSX1-7000)
P6	76	40K	8000	70CRI	T60	Top 1 medium	MSMT (DSX1-8000)
P7	76	40K	9000	70CRI	T72	Top 1 medium	MSMT (DSX1-9000)
P8	76	40K	10000	70CRI	T84	Top 1 medium	MSMT (DSX1-10000)

**Options**

Code	Description	Code	Description
SHIPPED	Shipped included	SHIPPED	Shipped included
MSMT	MSMT (DSX1-2700)	MSMT	MSMT (DSX1-2700)
MSMT	MSMT (DSX1-4000)	MSMT	MSMT (DSX1-4000)
MSMT	MSMT (DSX1-5000)	MSMT	MSMT (DSX1-5000)
MSMT	MSMT (DSX1-6000)	MSMT	MSMT (DSX1-6000)
MSMT	MSMT (DSX1-7000)	MSMT	MSMT (DSX1-7000)
MSMT	MSMT (DSX1-8000)	MSMT	MSMT (DSX1-8000)
MSMT	MSMT (DSX1-9000)	MSMT	MSMT (DSX1-9000)
MSMT	MSMT (DSX1-10000)	MSMT	MSMT (DSX1-10000)

**NOTES:**

- PAVEMENT CALCULATION AREAS ARE TAKEN WITHIN THE LIMITS OF THE EXISTING PARKING LOT PAVEMENT WITHIN THE PROPERTY BOUNDARIES.
- THE PHOTOMETRIC PLAN WAS PREPARED CONSIDERING THE EXISTING AND PROPOSED FIXTURES IN THE SCHEDULE ON THIS SHEET.
- EXISTING LIGHT FIXTURES INFORMATION FROM PREVIOUSLY PREPARED PHOTOMETRIC PLAN BY ARCHIBALD & MEEK, DATED 1/31/07.
- THE EXTERIOR LIGHTING DEPICTED ON THIS PLANS COMPLIES WITH THE REQUIREMENT OF CHAPTER 14 SECTION 6-14-4 OF THE MUNICIPAL CODE OF THE CITY OF NAPERVILLE.

**SITE LIGHTING FIXTURE SCHEDULE**

SYMBOL	DESCRIPTION	QUANTITY	LLF	COLOR	MOUNTING	CONFIG.	CATALOG NO. & NOTES
EX-1	EXISTING FIXTURES, EXISTING POLE TO REMAIN. LITHONIA LIGHTING, KAD AREA LIGHT, LUMINAIRE POWER PACKAGE 60C, 137W, TYPE V DISTRIBUTION	2	0.75	4000K	25'-0" POLE ON 3'-0" EX. CONCRETE FOUNDATION, 28'-0" MOUNTING HEIGHT	1 FIXTURE	KAD-60C-1000-40K-R5-MVOLT
SL-1	REPLACE EXISTING FIXTURES, EXISTING POLE TO REMAIN. LITHONIA LIGHTING, D-SERIES SIZE 1 LED AREA LIGHT, LUMINAIRE POWER PACKAGE P2, 68W, TYPE III MEDIUM DISTRIBUTION	3	0.75	4000K	24'-0" POLE ON 1'-0" EX. HELIX FOUNDATION, 25'-0" MOUNTING HEIGHT	2 FIXTURE @ 180 DEG.	DSX1-LED-P2-40K-70CRI-T3M-MVOLT
SL-2	REPLACE EXISTING FIXTURE, EXISTING POLE TO REMAIN. LITHONIA LIGHTING, D-SERIES SIZE 1 LED AREA LIGHT, LUMINAIRE POWER PACKAGE P5, 138W, TYPE III MEDIUM DISTRIBUTION	12	0.75	4000K	24'-0" POLE ON 1'-0" EX. HELIX FOUNDATION, 25'-0" MOUNTING HEIGHT	1 FIXTURE	DSX1-LED-P5-40K-70CRI-T3M-MVOLT
SL-3	REPLACE EXISTING FIXTURE, EXISTING POLE TO REMAIN. LITHONIA LIGHTING, D-SERIES SIZE 1 LED AREA LIGHT, LUMINAIRE POWER PACKAGE P5, 138W, TYPE III MEDIUM DISTRIBUTION	3	0.75	4000K	25'-0" POLE ON 3'-0" EX. CONCRETE FOUNDATION, 28'-0" MOUNTING HEIGHT	1 FIXTURE	DSX1-LED-P5-40K-70CRI-T3M-MVOLT
SL-4	REPLACE EXISTING FIXTURES, EXISTING POLE TO REMAIN. LITHONIA LIGHTING, D-SERIES SIZE 1 LED AREA LIGHT, LUMINAIRE POWER PACKAGE P2, 68W, TYPE III MEDIUM DISTRIBUTION	1	0.75	4000K	22'-0" POLE ON 3'-0" EX. CONCRETE FOUNDATION, 25'-0" MOUNTING HEIGHT	2 FIXTURE @ 180 DEG.	DSX1-LED-P2-40K-70CRI-T3M-MVOLT

**CALCULATED LIGHTING LEVELS (FOOT CANDLES)**

	AVERAGE	MAX	MIN	AVG/MIN	MAX/MIN
EXISTING SITE PARKING LOT AREA	1.96	3.7	0.6	3.27	6.17

**PHOTOMETRIC EXHIBIT**  
**FREEDOM COMMONS - MOB**  
 NAPERVILLE FINAL ENGINEERING ILLINOIS

PROJECT NO.: 230604  
 PROJECT MANAGER: RS  
 DESIGNED BY: JR  
 DRAWN BY: RI

7325 Janes Avenue  
 Woodridge, IL 60517  
 630.724.9200 phone  
 www.v3co.com

DRAWING NO. **P1.1**

GRAPHIC SCALE  
 1" = 30'

**REVISIONS**

NO.	DATE	DESCRIPTION
1	2/20/24	REVISED PER CITY COMMENTS
2	3/19/24	REVISED PER CITY COMMENTS

ORIGINAL ISSUE DATE: 12/22/2023

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