

THIS SITE IS LOCATED IN A REGION WHERE LIGHTING IS REGULATED BY LOCAL ORDINANCES

NOTE:
 - AREA LIGHTS ON NEW 17 FT. POLES MOUNTED ON 3 FT. CONCRETE BASES
 - FOOTCANDLE LEVELS CALCULATED AT GRADE USING INITIAL LUMEN VALUES UNLESS NOTED OTHERWISE.

LUMINAIRE LOCATION SUMMARY				
LUM NO.	LABEL	MTG. HT.	Tilt	
1	A1	20	0	
2	A1	20	0	
3	A1	20	0	
4	A1	20	0	
5	A1	20	0	
6	B1	20	0	
7	B1	20	0	
8	B1	20	0	
9	F2	15	0	
10	F2	15	0	
11	G1	1	130.179	
12	G1	1	129.228	
13	G1A	1	169.608	
14	T1	15	0	
15	T1	15	0	
16	T2	9	0	
17	T2	9	0	
18	T2	9	0	
19	T2	9	0	
20	T2	9	0	
21	T2	9	0	

CALCULATION SUMMARY					
LABEL	AVG	MAX	MIN	AVG/MIN	MAX/MIN
PAVED AREA	2.39	15.6	0.4	5.98	39.00
PROPERTY LINE	0.11	0.4	0.0	N.A.	N.A.
UNDEFINED	0.41	12.8	0.0	N.A.	N.A.

LUMINAIRE SCHEDULE											
SYMBOL	QTY	LABEL	ARRANGEMENT	LUMENS	LLF	DIMMING FACTOR	BUG RATING	WATTS/LUMINAIRE	TOTAL WATTS	MANUFACTURER	CATALOG LOGIC
	5	A1	Twin	8523	1.040	0.370	B0-U0-G3	28	280	Lithonia Lighting	DSX0-LED-P4-50K-BLC4-70CRI-MVOLT-MA-FAO-XX (SETTING 2)
	3	B1	Twin	8964	1.040	0.370	B0-U0-G2	28	168	Lithonia Lighting	DSX0-LED-P4-50K-BLC3-70CRI-MVOLT-MA-FAO-XX (SETTING 2)
	2	F2	Single	6337	1.040	1.000	B2-U0-G1	38.54	77.08	Lithonia Lighting	PCNY LED ALO2 SWW2 50K FPCL MVOLT DWHXD M3 (SETTING 2)
	2	G1	SINGLE	5011	1.000	1.000	B2-U0-G0	34.31	68.62	Lithonia Lighting	ESXF1-ALO-5,000L-SWW2-5000K-KY-DDB
	1	G1A	SINGLE	7170	1.040	1.000	B2-U0-G2	51.34	51.34	Lithonia Lighting	RSXF1-LED-P1-50K-WFL-MVOLT-IS-DNAXD
	2	T1	SINGLE	4152	1.040	1.000	B1-U0-G1	29.4252	58.85	Lithonia Lighting	ARC2-LED-P4-50K-MVOLT-DNAXD
	6	T2	SINGLE	1598	1.040	1.000	B0-U0-G1	10.6112	63.667	Lithonia Lighting	ARC2-LED-P1-50K-MVOLT-E4WH-DNAXD

QTY	LABEL	DESCRIPTION
5	A1	DSXO-LED-P4-50K-BLC4-70CRI-MVOLT-MA-FAO-XX (SETTING 2)
3	B1	DSXO-LED-P4-50K-BLC3-70CRI-MVOLT-MA-FAO-XX (SETTING 2)

ADDITIONAL FIXTURE INFO

D-Series Size 0 LED Area Luminaire

Specifications

EPA: 0.44 ft² (0.041 m²)
 Length: 18.1" (457 mm)
 Width: 14.6" (370 mm)
 Height H1: 2.26" (57 mm)
 Height H2: 7.42" (188 mm)
 Weight: 23.65 (541 lbs)

Introduction

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 70% and expected service life of over 100,000 hours.

Ordering Information EXAMPLE: DSXO LED P6 40K 70CRI T3M MVOLT SPA NLJARD PIRHN DBX0

Series	LEDs	Color Temperature	Color Rendering Index	Distribution	Finish	Options
DSX0 LED	P1 P2 P3 P4 P5 P6	40K	90CRI	TK	Black	None
		50K	90CRI	TK	Black	None
		50K	90CRI	TK	Black	None

Accessories

Category	Description	Qty	Code	Part No.
PCNY LED	PCNY LED 40K P4 MVOLT DWXHD M3	1	58K	1961819449
PCNY LED	PCNY LED 50K P4 MVOLT DWXHD M3	1	58K	1961819449

QTY	LABEL	DESCRIPTION
2	F2	PCNY LED ALO2 SSW2 50K FPCL MVOLT DWXHD M3 (SETTING 2)

ADDITIONAL FIXTURE INFO

PCNY LED LED Canopy/Ceiling Luminaire

Specifications

Width: 19.4"
 Height: 15.2"
 Weight: 10.67 lbs

Introduction

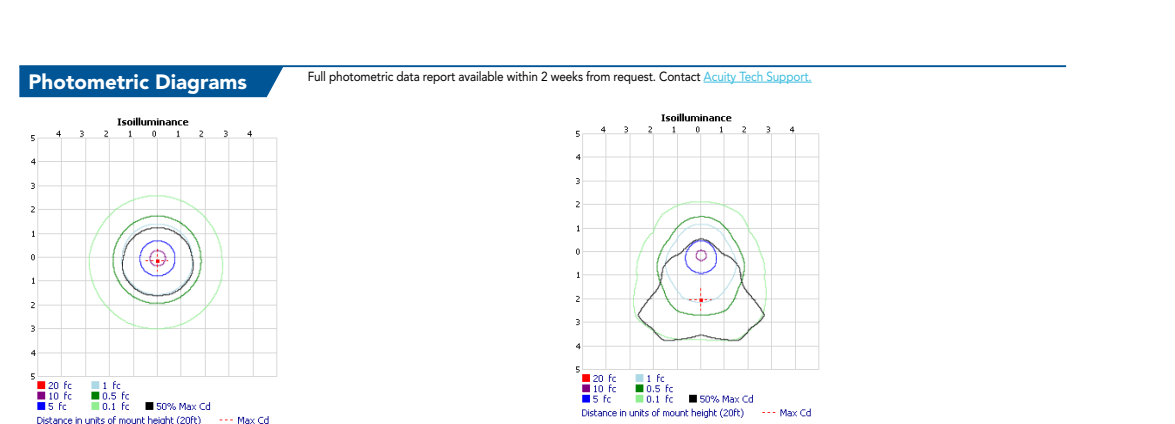
The all-new PCNY LED luminaire is designed to provide exceptional energy savings and versatility in one package. Features such as Adjustable Lumen Output (ALCO) and replaceable decorative cover make PCNY LED suitable for a wide variety of applications.

Ordering Information EXAMPLE: PCNY LED ALO1 50K FPCL MVOLT DWXHD M3

Coating	Lumens	CT	CR	CR	PC	FL	Wt/Lgt	Color	Packaging	Code	SPC	Part No.
PCNY LED ALO1 50K FPCL MVOLT DWXHD M3	7,500-13,000	58K	90CRI	PC	FL	Clear	13.07	46.44	White	Master Pack 3	28195A	1961819449

Accessories

Category	Description	Qty	Code	Part No.
PCNY LED	PCNY LED 40K P4 MVOLT DWXHD M3	1	58K	1961819449
PCNY LED	PCNY LED 50K P4 MVOLT DWXHD M3	1	58K	1961819449



Performance Data

Ambient Temp	Lumen Multiplier	Color
0°C	1.17	1.41
10°C	1.13	1.37
20°C	1.07	1.31
30°C	1.01	1.25
40°C	0.95	1.19

Lumen Output Flat Polycarbonate Clear Lens (FPCL)

Performance Package	Setting	System Watts	100K	40K	100K	40K	50K	100K	50K
A01	1	42	18,300	156	13,644	162	13,530	162	13,530

Lumen Output Forward Three Lens (FTL)

Performance Package	Setting	System Watts	100K	40K	100K	40K	50K	100K	50K
A02	1	42	18,300	156	13,644	162	13,530	162	13,530

DSXO Area Luminaire - EPA

Beam Spread & Mounting	Beam Spread	1.0 x 1.0m	1.5 x 1.5m	2.0 x 2.0m	2.5 x 2.5m	3.0 x 3.0m
DSXO with 1.0m x 1.0m	1.0	1.0	1.0	1.0	1.0	1.0

Ordering Information

Accessories

Category	Description	Qty	Code	Part No.
Shield	External Glare Shield (EGSR)	1	58K	1961819449
Shield	House Side Shield (HSS)	1	58K	1961819449

Shield Accessories

Drilling

HANDHOLE ORIENTATION

Tennon Mounting Splitter

Mounting Type	Setting	System Watts	100K	40K	100K	40K	50K	100K	50K
A01	1	42	18,300	156	13,644	162	13,530	162	13,530

DSXO Area Luminaire - EPA

Beam Spread & Mounting	Beam Spread	1.0 x 1.0m	1.5 x 1.5m	2.0 x 2.0m	2.5 x 2.5m	3.0 x 3.0m
DSXO with 1.0m x 1.0m	1.0	1.0	1.0	1.0	1.0	1.0

QTY	LABEL	DESCRIPTION
2	G1	ESXF1-ALO-5,000L-SWW2-5000K-KY-DDB

ADDITIONAL FIXTURE INFO

Contractor Select ESXF LED Floodlights

Specifications

Beam Spread: 2.1 ft (0.2 m)
 Length: 20.7" (52.6 cm)
 Width: 13.3" (33.8 cm)
 Height: 3.0" (7.6 cm) Main Body
 Weight: 25 lbs (11.3 kg)

Introduction

The Lithonia Lighting ESXF LED floodlight is a general purpose flood that offers a wide selection of options and flexibility. Easy access to adjustable lumen output, color switching, and a selectable photocell from the ESXF line features you need on the spot. With a wide field (70°) distribution and IEC performance, the ESXF is a cost-effective solution, great for illuminating yards, driveways, storage, parking, and security applications.

Ordering Information EXAMPLE: ESXF LED P4 40K WFL MVOLT IS DBX0

Series	Performance Package	Color Temperature	Distribution	Mounting
ESXF LED	P1 P2 P3 P4 P5	40K	TK	None
		50K	TK	None
		50K	TK	None

Accessories

Category	Description	Qty	Code	Part No.
ESXF LED	ESXF LED 40K P4 MVOLT DWXHD M3	1	58K	1961819449
ESXF LED	ESXF LED 50K P4 MVOLT DWXHD M3	1	58K	1961819449

Contractor Select ESXF Series LED

Included mounting options by size

- ESXF 100W mount (pole mount)
- ESXF 150W mount (pole mount)
- ESXF 200W mount (pole mount)
- ESXF 250W mount (pole mount)
- ESXF 300W mount (pole mount)
- ESXF 350W mount (pole mount)
- ESXF 400W mount (pole mount)
- ESXF 450W mount (pole mount)
- ESXF 500W mount (pole mount)

Electrical Performance Tables

Lumen Output	Input Voltage	CT/CR	Delivered Lumens	Lumens Per Watt
ESXF 100W	120V	40K/90CRI	10,000	100

External Shields

Pole/Mounting Information

Accessories including ball joints, cross arms and other adapters are available under the accessories tab at Lithonia's Outdoor Poles and Arms product page. Click here to visit Accessories.

Handhole Orientation

Round Tennon Mount - Pole Top Splitters

Performance Package	Setting	System Watts	100K	40K	100K	40K	50K	100K	50K
A01	1	42	18,300	156	13,644	162	13,530	162	13,530

ESXF ADJUSTABLE ARM

RSK POLE DRILLING

QTY	LABEL	DESCRIPTION
1	G1A	RSXF1-LED-P1-50K-WFL-MVOLT-IS-DNAXD

ADDITIONAL FIXTURE INFO

RSXF1 LED Floodlight

Specifications

Depth (D1): 9.25"
 Depth (D2): 7.5"
 Height: 5"
 Width: 14"
 Weight: (without options) 11 lbs

Introduction

The new RSXF LED Flood family delivers maximum value by providing significant energy savings, long life and outstanding photometric performance at an affordable price. The RSXF1 delivers 7,000 to 23,000 lumens allowing it to replace 70W to 400W HID floodlights.

Ordering Information EXAMPLE: ARC2 LED P4 40K MVOLT PE DBX0

Series	Package	Color Temperature	Mounting	Options
ARC2 LED	P1 P2 P3 P4 P5	40K	None	None
		50K	None	None
		50K	None	None

Accessories

Category	Description	Qty	Code	Part No.
ARC2 LED	ARC2 LED 40K P4 MVOLT DWXHD M3	1	58K	1961819449
ARC2 LED	ARC2 LED 50K P4 MVOLT DWXHD M3	1	58K	1961819449

Ordering Information

Accessories

Category	Description	Qty	Code	Part No.
ARC2 LED	ARC2 LED 40K P4 MVOLT DWXHD M3	1	58K	1961819449
ARC2 LED	ARC2 LED 50K P4 MVOLT DWXHD M3	1	58K	1961819449

Performance Data

Performance Package	Setting	System Watts	100K	40K	100K	40K	50K	100K	50K
A01	1	42	18,300	156	13,644	162	13,530	162	13,530

Electrical Load

Performance Package	Setting	System Watts	100K	40K	100K	40K	50K	100K	50K
A01	1	42	18,300	156	13,644	162	13,530	162	13,530

Lumen Output in Emergency Mode (4000K, 90 CRI)

Performance Package	Setting	System Watts	100K	40K	100K	40K	50K	100K	50K
A01	1	42	18,300	156	13,644	162	13,530	162	13,530

Photometric Diagrams

Full photometric data report available within 2 weeks from request. Contact: Sales@Lithonia.com

QTY	LABEL	DESCRIPTION
2	T1	ARC2-LED-P4-50K-MVOLT-DNAXD
6	T2	ARC2-LED-P1-50K-MVOLT-E4WH-DNAXD

ADDITIONAL FIXTURE INFO

ARC2 LED Architectural Wall Luminaire

Specifications

Depth (D1): 9.25"
 Depth (D2): 7.5"
 Height: 5"
 Width: 14"
 Weight: (without options) 11 lbs

Introduction

The Lithonia Lighting ARC2 LED wall-mounted luminaires provide both architectural styling and visually comfortable illumination while providing the high energy savings and low initial costs for quick financial payback.

Ordering Information EXAMPLE: ARC2 LED P2 40K MVOLT PE DBX0

Series	Package	Color Temperature	Mounting	Options
ARC2 LED	P1 P2 P3 P4 P5	40K	None	None
		50K	None	None
		50K	None	None

Accessories

Category	Description	Qty	Code	Part No.
ARC2 LED	ARC2 LED 40K P4 MVOLT DWXHD M3	1	58K	1961819449
ARC2 LED	ARC2 LED 50K P4 MVOLT DWXHD M3	1	58K	1961819449

Ordering Information

Accessories

Category	Description	Qty	Code	Part No.
ARC2 LED	ARC2 LED 40K P4 MVOLT DWXHD M3	1	58K	1961819449
ARC2 LED	ARC2 LED 50K P4 MVOLT DWXHD M3	1	58K	1961819449

Performance Data

Performance Package	Setting	System Watts	100K	40K	100K	40K	50K	100K	50K
A01	1	42	18,300	156	13,644	162	13,530	162	13,530

Electrical Load

Performance Package	Setting	System Watts	100K	40K	100K	40K	50K	100K	50K
A01	1	42	18,300	156	13,644	162	13,530	162	13,530

Lumen Output in Emergency Mode (4000K, 90 CRI)

Performance Package	Setting	System Watts	100K	40K	100K	40K	50K	100K	50K
A01	1	42	18,300	156	13,644	162	13,530	162	13,530

Photometric Diagrams

Full photometric data report available within 2 weeks from request. Contact: Sales@Lithonia.com

REDLEONARD ASSOCIATES

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TOMMY CAR WASH SYSTEMS

PROJECT NAME: TOMMY CAR WASH P4885
 WATERTOWN, WI
 DRAWING NUMBER: RL-11008-S1

AREA	
CANOPY	
FLOOD	
FLOOD	
WALL MOUNTED	

