

**NOTES:**  
 1. LIGHTING ANALYSIS IS WITH NEW FIXTURES ONLY. NO EXISTING FIXTURES ARE INCLUDED IN LIGHTING ANALYSIS.

**PHOTOMETRIC SITE PLAN**  
 SCALE: 1/16"=1'-0"

**LIGHTING ANALYSIS NOTES:  
 (NAPERVILLE REQUIREMENTS)**

1. AVERAGE FOOTCANDLES:	2.4
2. MAXIMUM FOOTCANDLES:	NA
3. MINIMUM FOOTCANDLES:	> 0.6
4. MAXIMUM/MINIMUM RATIO:	NA
5. AVERAGE/MINIMUM RATIO:	< 4:1
6. MAXIMUM MOUNTING HEIGHT:	25'
7. LIGHT LOSS FACTOR:	0.8

**LIGHTING ANALYSIS NOTES:  
 (PAVED AREAS ONLY)**

1. AVERAGE FOOTCANDLES:	2.58
2. MAXIMUM FOOTCANDLES:	12.38
3. MINIMUM FOOTCANDLES:	0.88
4. MAXIMUM/MINIMUM RATIO:	14.1:1
5. AVERAGE/MINIMUM RATIO:	2.9:1
6. MOUNTING HEIGHT:	25'
7. LIGHT LOSS FACTOR:	0.8

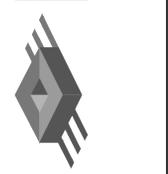
**LIGHTING ANALYSIS NOTES:  
 (ENTIRE PROPERTY)**

1. AVERAGE FOOTCANDLES:	2.46
2. MAXIMUM FOOTCANDLES:	19.59
3. MINIMUM FOOTCANDLES:	0.01
4. MAXIMUM/MINIMUM RATIO:	NA
5. AVERAGE/MINIMUM RATIO:	NA

No.	Description	Date
1	ISSUED FOR PERMIT	05/22/25
	PERMIT REVIEW COMMENTS	06/27/25

**PHOTOMETRIC SITE PLAN**  
**DUTCH BROS. COFFEE**  
**SHOREWOOD DEVELOPMENT GROUP**  
**NAPERVILLE, ILLINOIS**

**JACOB & HEFNER ASSOCIATES**  
 1333 Butterfield Rd, Suite 300, Downers Grove, IL 60515  
 PHONE: (630) 652-4600, FAX: (630) 652-4601  
 www.jacobandhefner.com

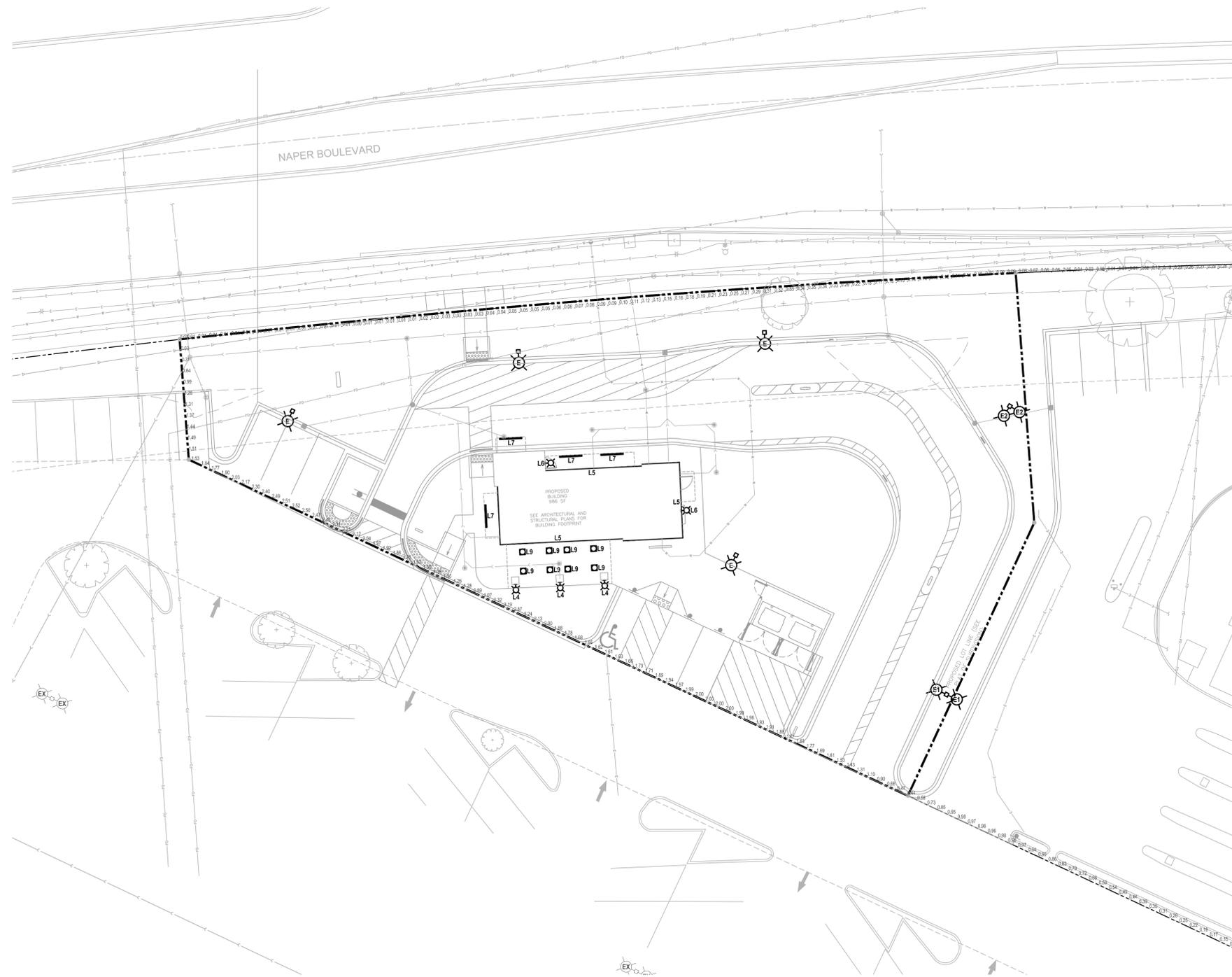


Corporation Registration #164, 005374  
**KORNACKI & ASSOCIATES, INC.**  
 Electricians  
 262-784-3323  
 2845 S. Moorland Rd., New Berlin, WI 53151



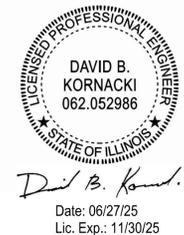
*David B. Kornacki*  
 Date: 06/27/25  
 Lic. Exp.: 11/30/25

**AS NOTED**  
**25101**  
**E2**



**PROPERTY LINE PHOTOMETRIC SITE PLAN**  
SCALE: 1/16"=1'-0"

LIGHTING ANALYSIS NOTES:  
1. LIGHTING AT THE EAST PROPERTY LINE IS LESS THAN 0.5 FOOTCANDLES.



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<p><b>PROPERTY LINE PHOTOMETRIC SITE PLAN</b> DUTCH BROS. COFFEE SHOREWOOD DEVELOPMENT GROUP NAPERVILLE, ILLINOIS</p>	
<p>AS NOTED</p>	<p>25101</p>
<p>△ E3</p>	<p>1</p>
<p>PERMIT REVIEW COMMENTS</p>	<p>06/27/25</p>
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# FIXTURE SCHEDULE

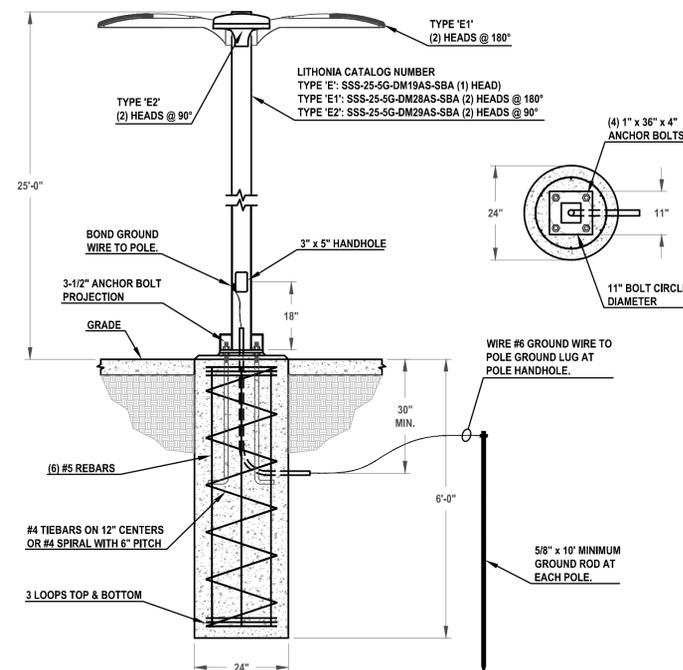
25101

TYPE	INPUT WATTS	VOLTS	LUMENS	COLOR TEMP	CRI			DESCRIPTION	MANUFACTURER	CATALOG NUMBER	BUG RATING	SHIELDING	FINISH	MOUNTING	CONTROLS		SEE NOTES
					70+	80+	90+								INTEGRAL	REMOTE	
E	137	120	12873	4000K	●			POLE & LUMINAIRE	LITHONIA	DSX0 LED-P6-40K-70CRI-BLC4-MVOLT-SPA-NLTAIR2-PIRHN-DOBXD	004	ACRYLIC	DARK BRONZE	SEE DETAIL 1/E4	OS	PHOTO ON TC OFF	#1
E1	(2) 137	120	12873	4000K	●			POLE & (2) LUMINAIRES	LITHONIA	(2) DSX0 LED-P6-40K-70CRI-BLC4-MVOLT-SPA-NLTAIR2-PIRHN-DOBXD	004	ACRYLIC	DARK BRONZE	SEE DETAIL 1/E4	OS	PHOTO ON TC OFF	#1
E2	(2) 137	120	12873	4000K	●			POLE & (2) LUMINAIRES	LITHONIA	(2) DSX0 LED-P6-40K-70CRI-BLC4-MVOLT-SPA-NLTAIR2-PIRHN-DOBXD	004	ACRYLIC	DARK BRONZE	SEE DETAIL 1/E4	OS	PHOTO ON TC OFF	#1
L4								WALL SCONCE	PROVIDED BY OWNER/OWNER'S E.C.								
L5								NEON STRIP	PROVIDED BY OWNER/OWNER'S E.C.								
L6								WALL BRACKET	PROVIDED BY OWNER/OWNER'S E.C.								
L7								STRIP	PROVIDED BY OWNER/OWNER'S E.C.								
L9								DOWNLIGHT	PROVIDED BY OWNER/OWNER'S E.C.								

**FIXTURE SCHEDULE NOTES:**  
 1. EACH LIGHT FIXTURE TO HAVE MOTION SENSOR CONTROL. LIGHT FIXTURES TO DIM TO 33% IN UNOCCUPIED MODE. ALL LIGHTS TO COME TO FULL BRIGHTNESS WHEN ONE MOTION SENSOR IS ACTIVATED.

## SYMBOLS / ABBREVIATIONS

	WALL BRACKET/WALL SCONCE FIXTURE - SEE FIXTURE SCHEDULE
	SURFACE/PENDANT FIXTURE - SEE FIXTURE SCHEDULE
	RECESSED DOWNLIGHT FIXTURE - SEE FIXTURE SCHEDULE
	POLE & LUMINAIRE(S) FIXTURE - SEE FIXTURE SCHEDULE
	SWITCHED CIRCUIT
	BRANCH CIRCUIT
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AFI	ARC FAULT INTERRUPTER
AMP	AMPERES/AMPERAGE
AV	AUDIO VISUAL
BB	BATTERY BACKUP
BFC	BELOW FINISHED CEILING
BOL	BUILT-IN OVERLOAD
BRKR	BREAKER
BWE	BAKED WHITE ENAMEL
CBA	COLOR BY ARCHITECT
CP	CONTROL PANEL
CRCT	CIRCUIT
CTL	CONTROL
DCP	DOCK EQUIPMENT CONTROL PANEL
DISC	DISCONNECT
EC	ELECTRICAL CONTRACTOR
EM	EMERGENCY
ER	EXISTING RELOCATED
ETC	ELECTRONIC TIME CLOCK CONTROL
EX	EXISTING TO REMAIN
EXD	EXISTING TO BE DEMO'D
EXR	EXISTING TO BE RELOCATED
EWC	ELECTRIC WATER COOLER
FAAP	FIRE ALARM ANNUNCIATOR PANEL
FACP	FIRE ALARM CONTROL PANEL
FLA	FULL LOAD AMPS
FLSW	FLOAT SWITCH
FPC	FIRE PROTECTION CONTRACTOR
FURN	FURNISHED
GC	GENERAL CONTRACTOR
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GRD	GROUND
HQA	HAND-OFF-AUTOMATIC SWITCH
HP	HORSEPOWER
HVAC	HEATING AND VENTILATING CONTRACTOR
IG	ISOLATED GROUND
INT	INTEGRAL
IR	IN ROOM
IU	IN UNIT
JB	JUNCTION BOX
KW	KILOWATTS
LCP	LIGHTING CONTROL PANEL
LOC	LOCATION
LT	LOW TEMPERATURE
LTSW	LIGHT SWITCH
LVT	LOW VOLTAGE THERMOSTAT
MAG	MAGNETIC STARTER
MAN	MANUAL STARTER
MCA	MINIMUM CIRCUIT AMPS
MSPL	MANUAL STARTER WITH PILOT LIGHT
NL	NIGHT LIGHT
NU	NEAR UNIT
OHP	OVERHEAT PROTECTION
OS	OCCUPANCY SENSOR
OU	ON UNIT
PB	PUSH BUTTON
PC	PLUMBING CONTRACTOR
PESW	PNEUMATIC ELECTRIC SWITCH
PHOTO	PHOTOCELL
PW	PREWIRED
RC	REFRIGERATION CONTRACTOR
RCC	REFRIGERATION CONTROL CONTRACTOR
RECEPT	RECEPTACLE
SBA	SELECTED BY ARCHITECT
SC	SEPARATE CIRCUIT
SPSW	SPEED SWITCH
SS	SOFT START
ST	SHUNT TRIP
SW	SWITCH
T	LINE VOLTAGE THERMOSTAT
TBD	TO BE DETERMINED
TC	TIME CLOCK
TCC	TEMPERATURE CONTROL CONTRACTOR
TCP	TEMPERATURE CONTROL PANEL
UM	UNIT MANUFACTURER
UNO	UNLESS NOTED OTHERWISE
VFD	VARIABLE FREQUENCY DRIVE
W	WATTS
WP	WEATHER PROOF ("WHILE-IN-USE")
XFMR	TRANSFORMER



**1** ELECTRICAL  
 FIXTURE TYPES 'E, E1, E2' MOUNTING DETAIL  
 NOT TO SCALE

No.	Description	Date
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AS NOTED  
 25101  
 E4

DAVID B. KORNACKI  
 062.052986  
 Date: 06/27/25  
 Lic. Exp.: 11/30/25

## D-Series Size 0 LED Area Luminaire

**Specifications**

EPA: 0.44 ft<sup>2</sup> (0.04 m<sup>2</sup>)  
 Length: 26.18" (0.67 m)  
 Width: 14.06" (0.37 m)  
 Height H1: 2.26" (0.7 m)  
 Height H2: 7.46" (0.19 m)  
 Weight: 23 lbs (10.4 kg)

**Ordering Information**

EXAMPLE: DSX0 LED P6 40K 70CRI T3M MVOLT SPA NLTAIR2 PIRHN DBXBD

Series	LED	Color Temperature	Color Rendering Index	Distribution	Voltage	Mounting
DSX0 LED	Forward optics (this section 70CRI only)	P1 P5	30K 3000K	70CRI	MVOLT (120V-277V) <sup>1</sup>	Shipped included
		P2 P6	40K 4000K	70CRI	MVOLT (147V-480V) <sup>1</sup>	
		P3 P7	50K 5000K	70CRI	MVOLT (277V-480V) <sup>1</sup>	
Retained optics	P10 <sup>1</sup> P12 <sup>1</sup> P11 <sup>1</sup> P13 <sup>1</sup>	27K 2700K	80CRI	TSM Type Y medium	240 v, n/a	SPKS Square pole mounting (5" drilling, 3" min. H90 pole)
		30K 3000K	80CRI	TSM Type Y low glare <sup>1</sup>	277 v, n/a	
		35K 3500K	80CRI	TSM Type Y medium	347 v, n/a	
P14	40K 4000K	40K 4000K	80CRI	TSLG Type II low glare <sup>1</sup>	240 v, n/a	SPAN Square nameplate mounting (8" drilling, 3" min. S0 pole)
		50K 5000K	80CRI	TSLG Type II low glare <sup>1</sup>	277 v, n/a	
		50K 5000K	80CRI	TSLG Type II low glare <sup>1</sup>	347 v, n/a	

**Control options**

**Shipped installed**

**Other options**

**Finish options**

LITHONIA LIGHTING | One Lithonia Way • Conyers, Georgia 30012 • Phone: 1-800-705-SERV (7378) • www.lithonia.com | DSX0-LED Rev. 04/29/25 Page 1 of 9

## SSS Square Straight Steel Poles

**E, E1, E2**

ORDERING INFORMATION | Lead times vary depending on options selected. Consult with your sales representative. | Example: SSS 20 SC DM28AS DBXBD

Series	Nominal fixture mounting height	Nominal shaft base size/wall thickness <sup>1</sup>	Mounting <sup>2</sup>	Options	Finish
SSS	10'-3"	4" 4" (1g @ 120")	Tenon mounting	Shipped installed	Super durable paint colors
	12'-0"	4" 4" (1g @ 120")	PT1 Open top (includes top cap)	VD Vibration damper <sup>4</sup>	D08D0 Dark bronze
	12'-0"	5" 5" (1g @ 120")	T10 2-3/8" O.D. (2" NPS)	JHxy J-Hook for cable strain relief <sup>4</sup>	D08D0 Black
	12'-0"	5" 5" (1g @ 120")	T12 2-3/8" O.D. (2-1/2" NPS)	Hkxy Horizontal arm bracket	D08D0 Natural aluminum
	12'-0"	6" 6" (1g @ 120")	T15 3-1/2" O.D. (3" NPS)	FLxy F-Flange with GFCI outlet and in-use cover <sup>4</sup>	D08D0 White
	12'-0"	6" 6" (1g @ 120")	T15 3-1/2" O.D. (3" NPS)	FLxy F-Flange with GFCI outlet and in-use cover <sup>4</sup>	D08D0 Sandstone
	12'-0"	6" 6" (1g @ 120")	T15 3-1/2" O.D. (3" NPS)	FLxy F-Flange with GFCI outlet and in-use cover <sup>4</sup>	D08D0 Charal grey
	12'-0"	6" 6" (1g @ 120")	T15 3-1/2" O.D. (3" NPS)	FLxy F-Flange with GFCI outlet and in-use cover <sup>4</sup>	D08D0 Tennis green
	12'-0"	6" 6" (1g @ 120")	T15 3-1/2" O.D. (3" NPS)	FLxy F-Flange with GFCI outlet and in-use cover <sup>4</sup>	D08D0 Bright red
	12'-0"	6" 6" (1g @ 120")	T15 3-1/2" O.D. (3" NPS)	FLxy F-Flange with GFCI outlet and in-use cover <sup>4</sup>	D08D0 Steel blue

**Accessories:** Order as separate catalog number.

**Notes:**

1. Wall thickness will be signified with a "C" (1" Gauge) or a "G" (2" Gauge) in nomenclature. "C" @ 120" @ 120" @ 120".  
 2. If open top poles include top cap. When ordering tenon mounting and drill mounting for the pole, specify if drilling option/tenon option. The combination includes a required extra handle.  
 3. Specify location and orientation when ordering option.  
 4. Refer to the fixture spec sheet for the correct drilling template pattern and orientation compatibility.  
 5. On 4" and 5" poles, VD cannot be installed if provisions (DR, HD, NL, PL, CL) are located higher than 2/3 of the pole's total height.  
 6. Max. wind speed: 25K. A provision cannot be placed above 80".  
 7. Max. wind speed: 25K. A provision cannot be placed above 80".  
 8. Max. wind speed: 25K. A provision cannot be placed above 80".  
 9. Max. wind speed: 25K. A provision cannot be placed above 80".  
 10. Max. wind speed: 25K. A provision cannot be placed above 80".  
 11. Max. wind speed: 25K. A provision cannot be placed above 80".  
 12. Max. wind speed: 25K. A provision cannot be placed above 80".  
 13. Max. wind speed: 25K. A provision cannot be placed above 80".  
 14. Max. wind speed: 25K. A provision cannot be placed above 80".

LITHONIA LIGHTING | One Lithonia Way Conyers, GA 30012 | Phone: 800-705-SERV (7378) | TechSupport.Lighting@acuitybrands.com | www.lithonia.com | ©1994-2025 Acuity Brands Lighting, Inc. All rights reserved. Rev. 02/27/25

## UMT-31416 Matrix 3 Surface

**LIGMAN LIGHTING USA**

PROJECT: [ ] DATE: [ ]

QUANTITY: [ ] TYPE: [ ] L4 NOTE: [ ]

ORDERING EXAMPLE || UMT - 31416 - 14/14w - W30 - 02 - 120/277v - Options

LAMP	BEAM UP	BEAM DOWN	LED COLOR	FINISH COLOR	VOLTAGE
14"/New COB 1128 Lumens Down	N - Narrow 20" M - Medium 25" W - Wide 36" VW - Very Wide 74"	N - Narrow 20" M - Medium 25" W - Wide 36" VW - Very Wide 74"	W27 - 2700K W30 - 3000K W35 - 3500K W40 - 4000K	G1 - BLACK RAL 9011 G2 - DARK GREY RAL 7043 G3 - WHITE RAL 9003 G4 - METALLIC SILVER RAL 9006 G5 - MATTIE SILVER RAL 9006 G6 - LIGMAN BRONZE G7 - CUSTOM RAL	120/277V Other - Specify

**INSPIRED BY NATURE FINISHES**

**ADDITIONAL OPTIONS**

**COLORED DICHRIC FILTERS**

**More Custom Finishes Available Upon Request**

Consult factory for pricing and lead times

Example: Inspired by Nature Finish

## WPLED26N USA

**RAB**

Project: [ ] Type: **L6**

Prepared By: [ ] Date: [ ]

**Driver Info**

Type: Constant Current  
 120V 0.22A  
 208V 0.13A  
 240V 0.11A  
 277V 0.10A  
 Input Watts: 28.9W

**LED Info**

Watts: 26W  
 Color Temp: 4000K (Neutral)  
 Color Accuracy: 70 CRI  
 Life Span: 100,000 Hours  
 Lumens: 3,738 lm  
 Efficacy: 129.3 lm/W

**Technical Specifications**

**Compliance**

UL Listed:  
 Suitable for wet locations. Suitable for mounting within 4 ft (1.2m) of the ground.

**IP Rating:**  
 Ingress protection rating of IP66 for dust and water

**DLC Listed:**  
 This product is on the Design Lights Consortium (DLC) Qualified Products List and is eligible for rebates from DLC Member Utilities. Designed to meet DLC 5.1 requirements.  
 DLC Product Code: P0000175P

**Performance**

100,000-Hour LED lifespan based on IES LM-80 results and TM-21 calculations

**Wattage Equivalency:**  
 Equivalent to 150W Metal Halide

**Electrical**

**Driver:**  
 Constant Current, Class 2, 120-277V, 50/60Hz, 120V: 0.22A, 208V: 0.13A, 240V: 0.11A, 277V: 0.10A

**Dimming Driver:**  
 Driver includes dimming control wiring for 0-10V dimming systems. Requires separate 0-10V DC dimming circuit. Dims down to 10%.

**THD:**  
 10.02% at 120V, 10.55% at 277V

**Power Factor:**  
 98.3% at 120V, 95.4% at 277V

**Construction**

**Finish:**  
 Formulated for high durability and long-lasting color

**Ambient Temperature:**  
 Suitable for use in up to 40°C (104°F)

**Cold Weather Starting:**  
 The minimum starting temperature is -40°C (-40°F)

**Green Technology:**  
 Mercury and UV free. RoHS-compliant components.

**LED Characteristics**

**Color Consistency:**  
 3-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color

**Color Stability:**  
 LED color temperature is warranted to shift no more than 200K in color temperature over a 5-year period

**Color Uniformity:**  
 RAB's range of Correlated Color Temperature follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2017.

**Other**

**Patents:**  
 The WPLED design is protected by U.S. Pat. D634878, Canada Pat. 134878, China Pat. CN3016499065.

**5-Year, No-Compromise Warranty:**  
 RAB warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish. RAB's warranty is subject to all terms and conditions found at rablighting.com/warranty.

**FTC Country of Origin:**  
 This product was assembled in the USA by RAB using imported components

**Buy American Act Compliance:**  
 This product complies with the Buy American Act

Need help? Tech help line: (888) 722-1000 Email: techsupport@rablighting.com Website: www.rablighting.com  
 Copyright © 2025 RAB Lighting All Rights Reserved Note: Specifications are subject to change at any time without notice

## Outdoor Cove Lighting TYPE L7 CROWN

**IP66**

**Dimensions: inches, (mm)**

1-3/4" (44.5)  
 2-1/4" (58.8)

**How to order using our catalog numbers**

Example: CROWN-1230K11055

Series	Length	CCT (K)	Beam Angle	Finish	Installation
CROWN	12 - 11.8" (300mm)	30K - 3000K	110 - 110°	S - Silver	S - Screw Mounting
	47 - 47" (1120mm)	35K - 3500K			
	70 - 70" (1780mm)	40K - 4000K			

**Specifications**

Catalog No.	Model	Rated Input (VAC)	Ra	Power (W)	Luminous flux (TYP@4000K)lm
CROWN-1230K11055	CROWN-124-277V	120-277	90	10	1050
CROWN-1235K11055					
CROWN-1240K11055					
CROWN-4730K11055	CROWN-190-277V	120-277	90	40	4200
CROWN-4735K11055					
CROWN-4740K11055					
CROWN-7030K11055	CROWN-1144-277V	120-277	90	60	6300
CROWN-7035K11055					
CROWN-7040K11055					

\* Included: 1 pc LED fixture, 2 pcs screws.

**Photometrics**

Luminous Intensity: cd  
 - @ 110°  
 - @ 90°/110°

## dmf TYPE L9 S Series

4" Surface Mount Downlight

**PRODUCT BUILDER - TRIAC/ELV, 0-10V**

**HOUSING**

FANC 4" New Construction Fire Rated Shallow Junction Box

**MODULE**

PRODUCT CODE	APERTURE	SHAPE	LUMENS	CRI	CCT	DRIVER
DRDSS	4			9		
DRDSS	Module 4	4" Aperture	R Round 07 750 lm	9 90+ CRI	27 2700K	T Integrated TRIAC/ELV, 120V only
		S Square 10 1000 lm	30 3000K			O Integrated 0-10V, 120/277V
					35 3500K	TDF Integrated TRIAC/ELV, 120V only, Non-Conductive <sup>1</sup>
						ODF Integrated 0-10V, 120/277V, Non-Conductive <sup>1</sup>

<sup>1</sup> Only available for Round shape, 750 lm, 2700K or 3000K CCT

**PRODUCT BUILDER - EMERGENCY LIGHTING**

**HOUSING**

FANC 4" New Construction Fire Rated Shallow Junction Box

**MODULE**

PRODUCT CODE	APERTURE	SHAPE	LUMENS	CRI	CCT	DRIVER
DRDSS	4			9		
DRDSS	Module 4	4" Aperture	R Round 07 750 lm	9 90+ CRI	27 2700K	EM Emergency with Integrated Test Switch
		S Square 10 1000 lm	30 3000K			
					35 3500K	

**DMF LIGHTING** 1118 E. 223rd St. Carson, CA 90745 323.934.7779 info@dmflighting.com dmflighting.com  
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**CUTSHEETS**

**DUTCH BROS. COFFEE**

**SHOREWOOD DEVELOPMENT GROUP**

**NAPERVILLE, ILLINOIS**

Corporation Registration #184.005374

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**AS NOTED**

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Date: 06/27/25  
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