



Outdoor Lighting Solutions
Midwest

Lighting Design Tolerance: Calculated footcandle levels in this lighting design are predicted values and are based on specific information that has been supplied to Duke Energy. Any inaccuracies in the supplied information, differences in luminaire installation, lighted area geometry including surrounding surfaces, obstructions (foliage or otherwise) in the lighted area, or lighting from sources other than listed in this may produce different results from the predicted values. Notwithstanding, luminaire output, and luminaire manufacturer will also affect results.

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PLAINFIELD RD LIGHTING PROJECT
MONTGOMERY TO NORTH ST
SILVERTON, OHIO

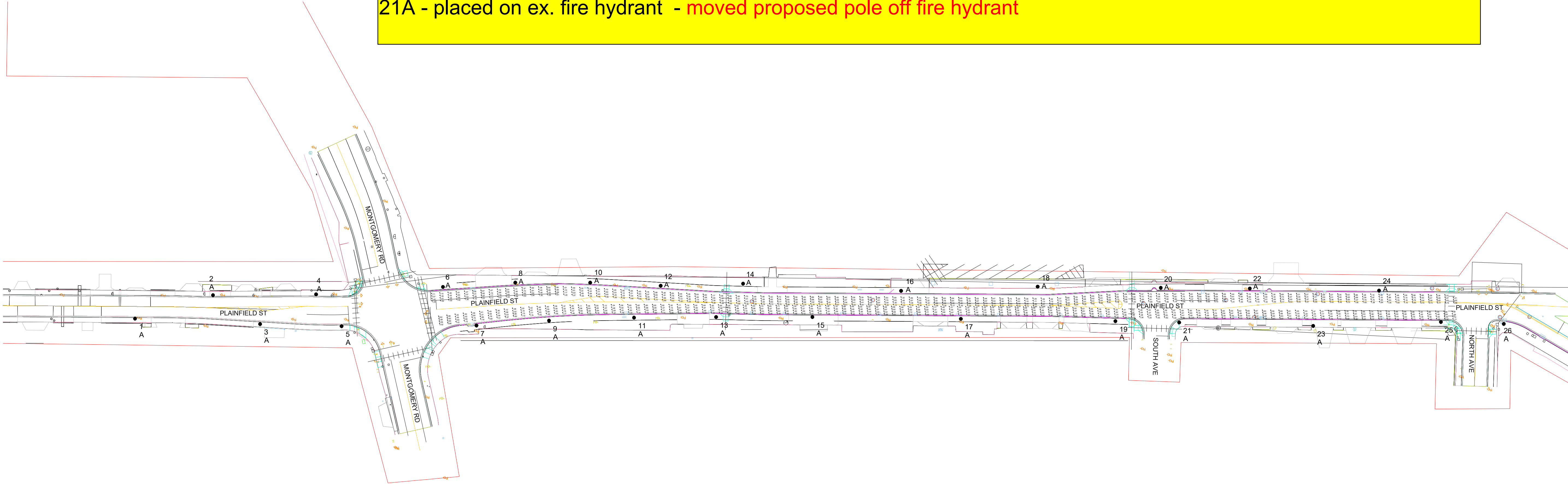
DESIGNER
Tony Dickson

DATE
9/23/2025

SCALE
NOT TO SCALE
DRAWING NO.
TD25-0587R1

REVISION 1 TD 9/23/2025

- 1A, 3A, 5a - does not provide 4' of walk around pole - moved towards road to provide 4' walk around
- 2A, 8A, 10A - placed in driveway - removed from driveway
- 4A - can this shift slightly towards the road to provide 4' behind it? - shifted towards road to provide 4' walk around
- 11A, 13A, 15A, 16A, 23A - placed on pr storm - moved all from pr storm
- 14A, 18A - placed on ex. Sanitary - adjusted off ex sanitary
- 21A - placed on ex. fire hydrant - moved proposed pole off fire hydrant



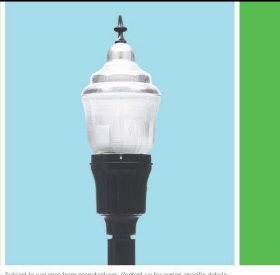
Site Photometry

Luminaire Schedule										
Symbol	Qty	Label	Description	Arm	Arrangement	LLF	Mounting Height	Arrangement Watts		
●	26	A	50W LED Acorn Type III 3000K - Post Top	0	Single	0.900	12	48		
Calculation Summary										
Label		Description		CalcType		Units	Avg	Max	Min	Avg/Min
CalcPts_1		Northbound travel lane		Illuminance		Fc	1.10	2.21	0.28	3.93
CalcPts_2		Southbound travel lane		Illuminance		Fc	1.11	2.25	0.26	4.27

FIXTURE, POLE AND BRACKET CUTSHEETS

Outdoor Lighting

Acorn LED



The Acorn LED is an energy efficient luminaire designed with the look of a traditional luminaire. The green silicone bell component is highlighted in pink with its classic elegant design.

LED

50 watts

Mounting height

12' (Style B pole only)

Colors

Black

Poles

Steel, A, C, D, E, F

Applications

Neighborhoods
Parks
Streets
Businesses

For additional information, visit www.energy.solutions/led/acorn

761-861-1000

800-844-8800 (Toll Free)

800-844-8800 (Toll Free)



Outdoor Lighting

Acorn LED



Light source: LED (white)
Wattage: 50
Lumens: 5,000
Light pattern: (IESNA) 100° beam
IESNA color rendering index: 90
Color temperature: 3000K
Mounting height: 12' (Style B pole only) (See mounting or style sheet)

Light distribution pattern



Pole available:

Steel

Mounting height

12' (Style B pole only)

Color

Black

Aluminum

12' (Style B pole only)

Black

Features

- Little to no upfront capital cost
- Design services by lighting professionals included
- Maintenance included
- Electricity included
- Warranty included
- One low monthly cost on your electric bill
- Turnkey operation
- Backed by over 125 years of experience

Benefits

- Press up capital for other projects
- Meets industry standards and lighting ordinances
- Eliminates high and unexpected repair bills
- Less expensive than maintained service
- Worry-free
- Convenience and savings for you
- Provides hassle-free installation and service
- As warm as you can trust today ... and tomorrow

Style A

Steel, smooth, tapered shaft, weather-resistant pole, 12' (Style B pole only)

Mounting height: 12' (Style B pole only)

Colors: Black, Steel, Gray, White

Materials: Aluminum, Steel

Foundation: Anchor Base (Style B pole only) (Style B pole only)

Style B

Steel, smooth, tapered shaft, weather-resistant pole, 12' (Style B pole only)

Mounting height: 12' (Style B pole only)

Colors: Black, Steel, Gray, White

Materials: Aluminum, Steel

Foundation: Anchor Base (Style B pole only) (Style B pole only)

Style C

Steel, smooth, tapered shaft, weather-resistant pole, 12' (Style B pole only)

Mounting height: 12' (Style B pole only)

Colors: Black, Steel, Gray, White

Materials: Aluminum, Steel

Foundation: Anchor Base (Style B pole only) (Style B pole only)

Style D

Steel, smooth, tapered shaft, weather-resistant pole, 12' (Style B pole only)

Mounting height: 12' (Style B pole only)

Colors: Black, Steel, Gray, White

Materials: Aluminum, Steel

Foundation: Anchor Base (Style B pole only) (Style B pole only)

Style A

Style B

Style C

Style D

Style E

Style F

Style A

Style B

Style C

Style D

Style E

Style F

General Notes:

- ALL CALCULATIONS TAKEN AT GRADE
- POLES ARE ALUMINUM (STYLE B, BLACK IN COLOR) 12' OAL, ANCHOR BASE, POST TOP
- FIXTURES TO BE LED 50W ACORN IN BLACK, TYPE III 3000K
- ALL EXISTING LIGHTING (CUSTOMER OWNED DECORATIVE) AND STREET LIGHTS TO BE REMOVED
- THIS IS NOT A CONSTRUCTION DRAWING / SOME POLE LOCATIONS MAY NEED TO BE ADJUSTED AROUND UNKNOWN OBSTACLES

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MONTGOMERY TO NORTH ST
SILVERTON, OHIO

DESIGNER
Tony Dickson

DATE
7/30/2025

SCALE
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DRAWING NO.
TD25-0568

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