

ENERGY EFFICIENCY

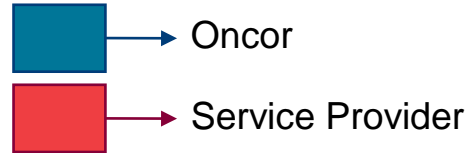
Measure File Guide

Lighting - New Construction Outdoor

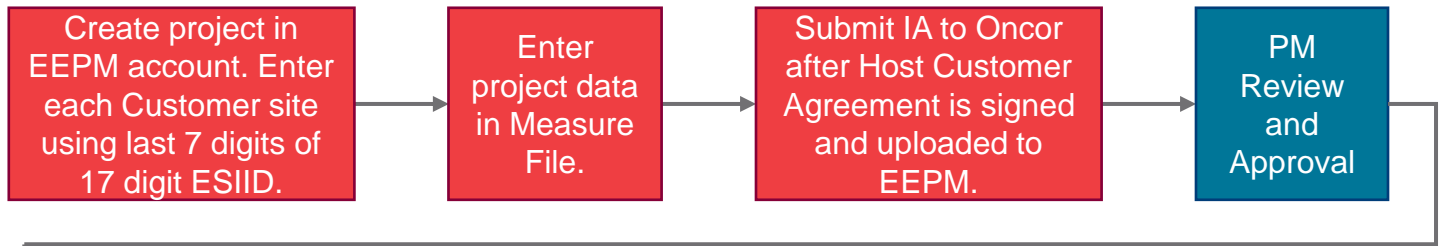
January 2025



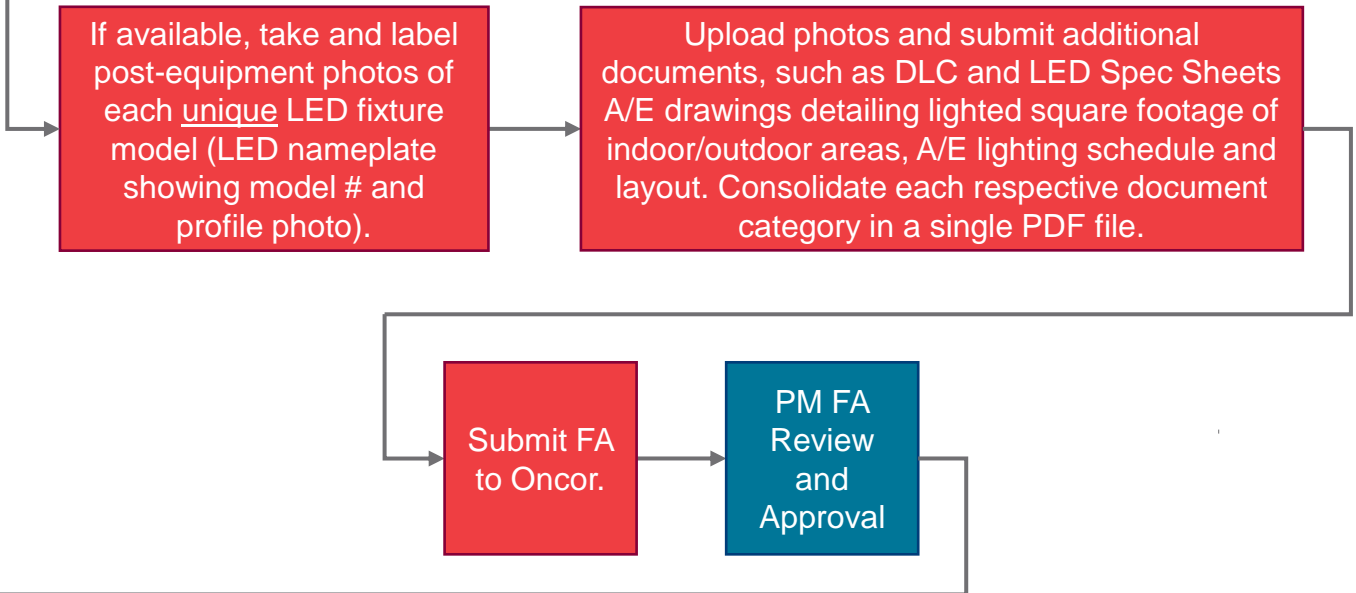
Energy Efficiency Project Process



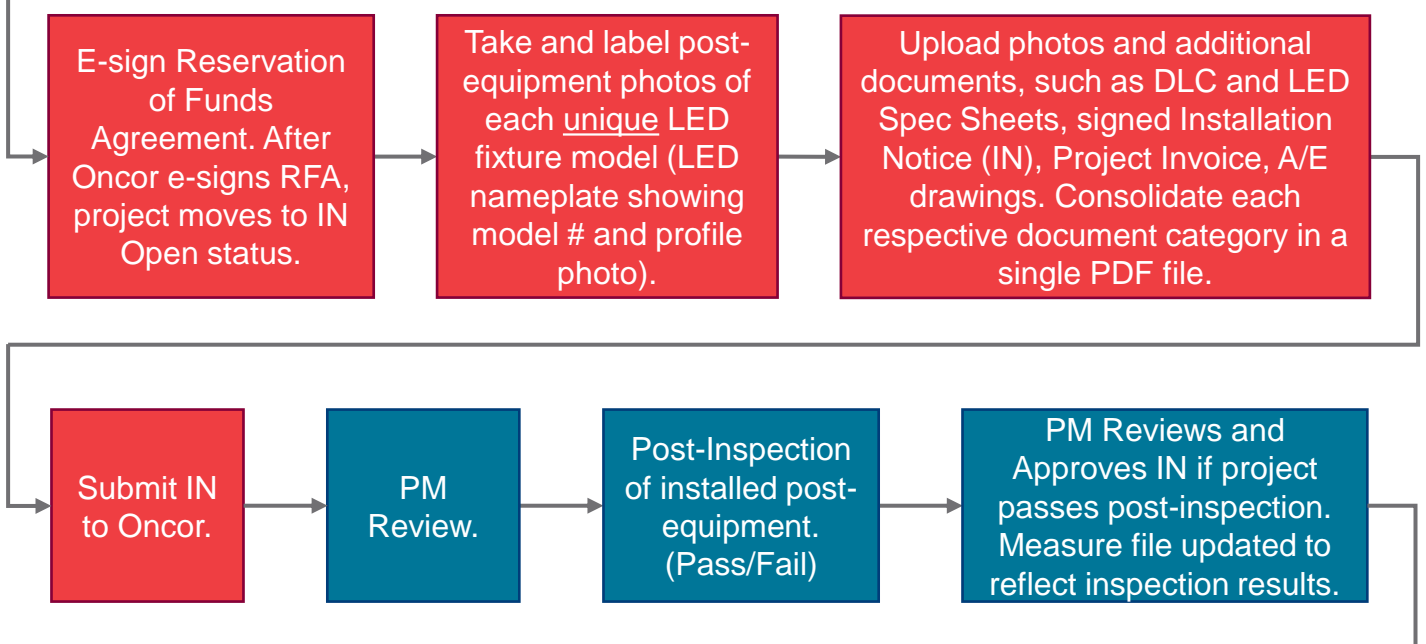
IA Phase



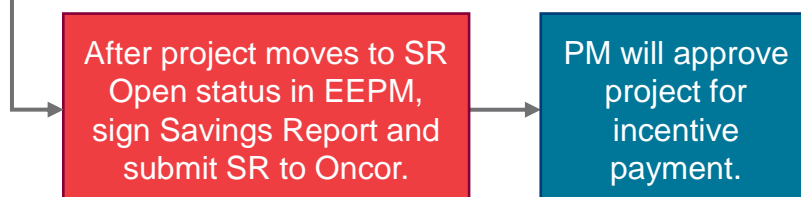
FA Phase



IN Phase



SR Phase





IA Phase– Measure File

Define Sites

Lighting New Construction			
DEFINE SITES		DEFINE AREAS	FIXTURES
1	Site Name*	Interior Space Category Primary Building Type	Indoor Floor Area
1	Example Site	ehouse - Warehouse: Non-refrigerated	1

Interior Space Category

- 1. Site Name:** Refers to the location where the Lighting Project is being implemented.
- 2. Building Type:** Determines the number of operating hours. Select the building type that represents the majority of the square footage (e.g., a warehouse with an attached office is categorized as a warehouse, not an office).
- 3. Indoor Floor Area:** Indoor square footage as documented by architect or engineer on the signed/stamped drawing plans.

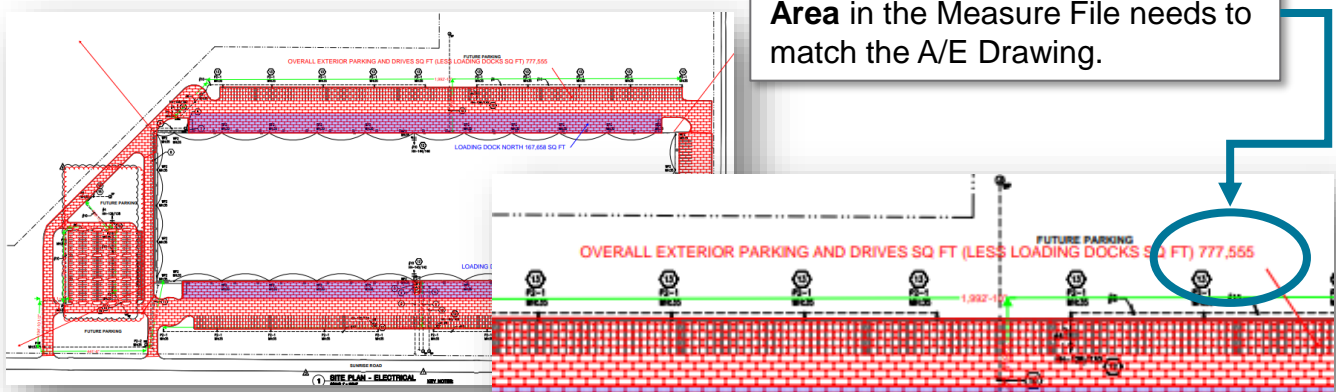
Exterior Space Category 1				
4	Outdoor Building Type	5	Exterior Facility Type	
		6	Exterior zone	
			7	
			Exterior Floor Area	
	OutSpace1: Outdoor: Dusk-to-Dawn	Uncovered Parking: Parking Areas and Drives	Zone 3: All other areas	777,555

Exterior Space Category 2				
	8			9
Outdoor Building Type	Exterior Facility Type	Exterior zone	Exterior Floor Area	Apply allowance to which Outdoor Space Category?
OutSpace2: Outdoor: Dusk-to-Dawn	Building Entrances and Exits: Loading Docks	Zone 3: All other areas	320,028	OutSpace2: Outdoor: Dusk-to-Dawn

Exterior Space Category

- 4. Outdoor Building Type:** Select either Dusk-to-Dawn or Less than Dusk-to-Dawn depending on operation needs.
- 5. Exterior Facility Type:** Select the appropriate facility type (i.e., entry canopies, loading docks, building facades, walkways, uncovered parking, etc.).
- 6. Exterior Zone:** Select the appropriate zone type, most commonly Zone 2. Zone 3 will require additional documentation to prove surrounding building/area density.
- 7. Exterior Floor Area:** Exterior square footage as documented by architect or engineer on the signed and/or stamped drawing plans.
- 8. Exterior Space Category 2:** An additional category can be added for loading dock areas and/or sales areas at a car dealership.
- 9. Apply allowance to Outdoor Space Category:** Select the category in which to apply allowance, typically the category with the largest square footage.

The documented **Exterior Floor Area** in the Measure File needs to match the A/E Drawing.





IA Phase – Measure File

Define Areas

Lighting New Construction							DEFINE SITES	DEFINE AREAS	FIXTURES	Building Type Description	Back
	1 Site Name*	2 Area Type*	3 Space Category: Indoor/Outdoor*	4 Air Conditioning*	5 Post-Controls*	6 Control Types are Verified/Inspected?					
1	Example Site	Exterior	OutSpace1: Outdoor: Dusk-to-Dawn	Unconditioned/Uncooled	Outdoor	No					
2	Example Site	LOADING DOCKS	OutSpace2: Outdoor: Dusk-to-Dawn	Unconditioned/Uncooled	Outdoor	No					

- 1. Site Name:** Refers to the location where the Lighting Project is being implemented.
- 2. Area Type:** Refers to distinct, identifiable spaces within a site. For example, if a site includes uncovered parking and loading docks, a separate line should be added for the loading docks.
- 3. Space Category:** Select the appropriate Space Category from the Define Sites Tab
- 4. Air Conditioning:** Automatically defaulted to “Unconditioned/Uncooled” in outdoor lighting projects.
- 5. Post-Controls:** Automatically defaulted to “Outdoors” in outdoor lighting projects.
- 6. Control Types are Verified/Inspected?:** Automatically defaulted to “No” in outdoor lighting projects.

Fixtures

Lighting New Construction													DEFINE SITES	DEFINE AREAS	FIXTURES	Building Type Description	Back To MeasureList
Site		Area					Post-Equipment			Savings & Incentive							
Serial #	Site Name*	1 Site Line Item Or...	2 Floor	3 Location/Room Description	4 Map Id	5 Area Type*	6 Post-Fixture Code*	No. of Post-Fixtures*	7 Energy Star/LED Model # (as seen on Fixture)	8 kW	9 kWh	10 Incentive(\$)					
9	Example Site	9	POLE	SOUTH-SUNRISE	P4R	Exterior	LED320.5-FIX	2	GALN-SA6C-740-8-SLR-QM-BK	4.0484	23725.9	2200.69					
10	Example Site	10	POLE	SOUTH-SUNRISE	P2--2	Exterior	LED430-FIXT	1	GALN-SA8C-740-8-T4FT-QM-BK	2.7158	15916.0	1476.29					
11	Example Site	11	WPK	WEST SIDE	WP2	Exterior	LED129-FIXT	5	GWC-SA2D-740-8-T3-BK	4.0737	23874.0	2214.43					
12	Example Site	12	POLE	WEST SIDE	P2	Exterior	LED494.5-FIX	10	GALN-SA8D-740-8-T4FT-BK	31.2314	183033.7	16977.24					
13	Example Site	13	WPK	NORTH SIDE	WP2	LOADING DOCKS	LED129-FIXT	10	GWC-SA2D-740-8-T3-BK	8.1473	47747.9	4428.84					
14	Example Site	14	WPK	SOUTH SIDE	WP2	LOADING DOCKS	LED129-FIXT	10	GWC-SA2D-740-8-T3-BK	8.1473	47747.9	4428.84					
Total No of Sites:								71		152.2350	892182.9	\$82754.20					

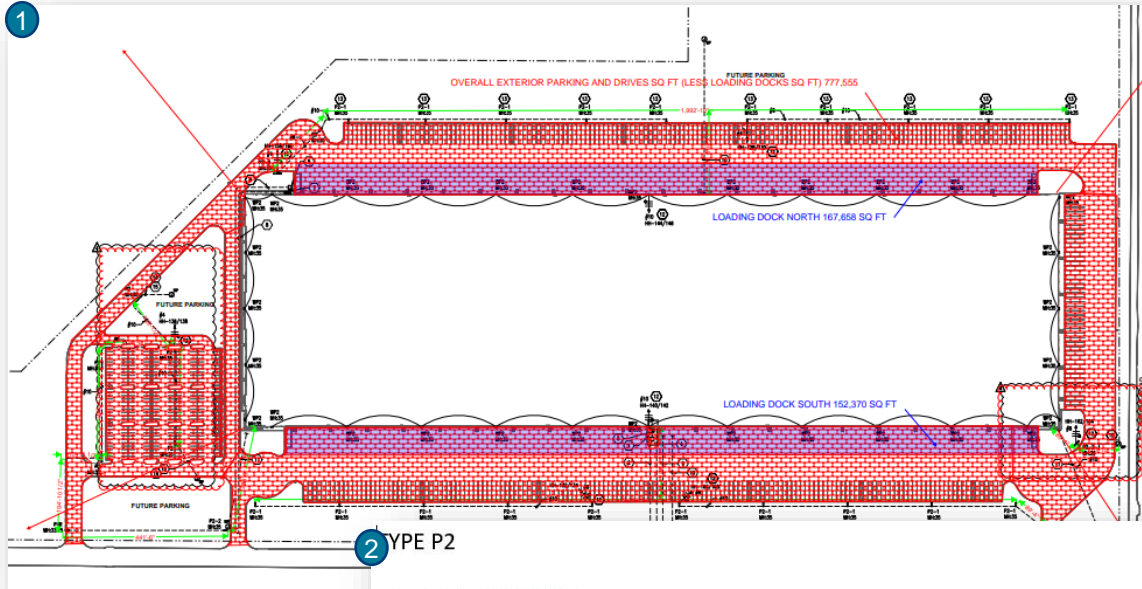
- 1. Floor, Location/Room Description, and Map ID:** Provide enough detail in the Measure File for the inspector to easily locate each line item and fixture quantity.
- 2. Area Type:** Select the area type from the dropdown box as set up on the “Define Areas” tab
- 3. Post-Fixture Code:** Use the rated wattage from the DLC or Energy Star sheet to select the fixture code, rounding up to the nearest half-watt.
- 4. No. of Post-Fixtures:** Indicate the number of fixtures that will be upgraded in the selected area.
- 5. Energy Star/LED Model #:** Indicate the Energy Star/LED Model Number as seen on the fixture. This must match documentation and inspection photos.
- 6. Savings & Incentive:** Automatically calculated kW, kWh and Incentives. Incentives are based off the kW and kWh reductions.



FA Phase – New Construction

The following is required:

- 1. A/E Drawing:** Clearly outline each Exterior Facility Type, including matching SQ FT from Measure File as well as fixture markups.
- 2. DLC Certificate:** Documented Energy Star/LED Model # matching the Measure File.
- 3. LED Product Data Sheet:** Ordering Information matching DLC and Measure File Details for each item on the Measure File.



2 TYPE P2

Product ID: POO1BPUN



GALN-SA8D-740-[ALL VOLTAGES]-T4FT-[WM & WA]-[All Finishes]-[Options Includes DIM F FF 20K 2L HA LCF MT TH CC L90 R90 AHD145 AHD245 AHD255 AHD355]-[All Controls Systems]

Manufacturer: Cooper Lighting Solutions (formerly Eaton)
Brand: McGraw Edison

PRODUCT OVERVIEW

Model Number GALN-SA8D-740-[ALL VOLTAGES]-T4FT-[WM & WA]-[All Finishes]-[Options Includes DIM F FF 20K 2L HA LCF MT TH CC L90 R90 AHD145 AHD245 AHD255 AHD355]-[All Controls Systems]

Classification Premium

Primary Use Outdoor Full-Cutoff Wall-Mounted Area Luminaires

PRODUCT INFORMATION

Qualified Product List Solid State Lighting

Technical Requirements Version 5.1

Product ID POO1BPUN

Manufacturer Cooper Lighting Solutions (formerly Eaton)

Brand McGraw Edison

Model Number GALN-SA8D-740-[ALL VOLTAGES]-T4FT-[WM & WA]-[All Finishes]-[Options Includes DIM F FF 20K 2L HA LCF MT TH CC L90 R90 AHD145 AHD245 AHD255 AHD355]-[All Controls Systems]

3

McGraw-Edison		GALN Galleon II				
Ordering Information						
SAMPLE NUMBER: GALN-SA4C-740-U-T4FT-GM						
Product Family ^{1,2}	Light Engine Configuration	Drive Current	Color Temperature	Voltage	Distribution	Mounting
GALN-Galleon II	SA1=1 Square	A=600mA	722-79CR, 2200K	U=120-277V	T2=Type II	[Blank]=Standard Pole Mount Arm
SAJ-GALN-Galleon II	SA2=2 Squares	B=600mA	727-79CR, 2700K	H=347V-480V ^{1,4}	T2R=Type II Roadway	GM=Standard Pole Mount Arm with Quick Mount Adapter
Buy American Act Compliant ⁴	SA3=3 Squares	C=1200mA ^{4,5}	729-79CR, 3000K	1=120V	T3=Type III	PA=Pole Mount, Adjustable
TAA-GALN-Galleon II	SA4=4 Squares	D=1200mA ^{4,5}	755-79CR, 3500K	3=208V	T3R=Type III Roadway	SP=Spigot, Adjustable ⁴
Trade Agreements Act Compliant ⁴	SA5=5 Squares		768-79CR, 4000K	3=240V	T4FT=Type IV Forward Throw	MA=Mast Arm, Fixed
	SA6=6 Squares		759-79CR, 3000K	A=277V	T4W=Type IV Wide	WM=Wall Mount, Fixed
	SA7=7 Squares		769-79CR, 4000K	B=480V ⁴	SNQ=Type V Narrow	WA=Wall Mount, Adjustable
	SA8=8 Squares		827-80CR, 2700K	W=247V ⁴	SMQ=Type V Square Medium	UP=Upswept Arm
	SA9=9 Squares		839-80CR, 3000K	DN=277V-480V Dual-Volt Drivers ^{4,5,6,7}	SNQ=Type V Square Wide	
	SA9=9 Squares		AMB=Amber, 590nm ^{4,5}		SL2=Type II w/Spill Control	
					SL3=Type III w/Spill Control	
					SL4=Type IV w/Spill Control	
					SLL=90° Spill Light Eliminator Left	
					SLR=90° Spill Light Eliminator Right	
					RW=Rectangular Wide Type I	
					AFL=Automotive Frontline	



IN Phase – Post Inspection

Post-Inspection Requirements

- 1. Installation Notice Certificate:** Generated by EEPM, signed by Customer and Service Provider, including an installation completion date.
- 2. DLC Certifications:** Documented Energy Star/LED Model # matching the Measure File.
- 3. LED Product Data Sheet:** Ordering Information matching DLC and Measure File Details for each item on the Measure File.
- 4. Project Invoice:** Includes Customer name, project address, labor materials and other cost associated with installation of the lighting.
- 5. A/E Drawing:** Clearly outline each Exterior Facility Type, including matching SQ FT from Measure File as well as fixture markups. Must be signed/stamped and dated by the A/E.
- 6. Photos:** Name plate and profile photos of each unique LED installed at the project site, and several area photos of the installed LED lighting. Compile all images into a single PDF and upload it to EEPM for the Post-Inspection Desk Review.

1

ONCOR ELECTRIC DELIVERY COMPANY
2024 Commercial Standard Offer Program Option
Installation Notice Certificate

Current Status: IN Open
Date - Time: 2024-05-14 13:17:25:893

The signatures on this document certify that the energy efficient products associated with the project measures listed and described below have been installed.

Project Information: Project Name: Service Provider:

Measures and Estimated Savings Information

Site Name	Measure	Pre kW	Pre kWh	Post kW	Post kWh	Peak kW Savings	Annual kWh Savings
1	Lighting New Construction	146.0000	483476.64	0.0000	177114.81	146.0000	306361.83

Product ID: PO018PUN

2

GALN-SA8D-740-[ALL VOLTAGES]-T4FT-[WM & WA]-[All Finishes]-
[Options Includes DIM F FF 20K 2L HA LCF MT TH CC L90 R90 AHD145
AHD245 AHD255 AHD355]-[All Controls Systems]
Manufacturer: Cooper Lighting Solutions (formerly Eaton)
Brand: McGraw Edison

3

4

5

4

5

6

COOPER Lighting Solutions
DATE/FECHA: 1/28/23
CATALOG NO.: GALN-SA8C-740-8-T4FT-QM-BK
VCK1-G3
480V 445W 150/60HZ
0.99A