

Autonomous Solar Street Light

Essential Super Twin Smartlight



Project:

Notes:

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	Fixture	Temp	Туре	НЅ	Solar	Power Center	Option	Pole	Color (Pole)	Color (Fixture)	Tilt Panel

### The Most Reliable Solar Lighting in the World

We keep our solutions simple with Smartlight—one proven, powerful solar light that meets a wide range of needs. Its unique black solar panel looks elegant, day or night. No hanging wires or bulky battery box. No solar panel that looks like a high school science project. We use powerful components and smart controls to provide all the energy you need in a sleek package, so you can count on all-night lighting all year around.

## 175,000

SmartLight Systems Installed Worldwide

365

Nights of Lighting per Year Guaranteed

#### **5 Years**

Warranty, Including the Battery With No Pro-Rating

\$0

Zero Trenching Cost, Zero Electric Bills and Zero Maintenance for 10 Years





# ESSENTIAL SUPER TWIN SMARTLIGHT



LUMINAIRE PRODUCT CODE	NAME	COLOR TEMP	DISTRIBUTION	Color	HOUSE SIDE SHIELD OPTION	WEIGHT LBS EA.	EPA FT² EA.
2[M54-CK 16B	Twin Essential	2700K, 3000K, 5000K	T2,T3,T4,CW (Cross Walk)	Black	NA	7	0.25
Custom							

**NOTE:** Super Twin SmartLight Systems are comprised of two identical solar panels and two complete Power 365 Power Centers. Example: Part number 2[P270F-3P] includes two 270W Solar Modules and 2 Power 365 Power Centers with 936Wh of battery capacity each for a total capacity of 1872Wh.

	ODDULE ASSEMBLY T CODE / DESCRIPTION	DIMENSIONS SOLAR MODULE	MODULE FRAME & BACK SHEET	Performance Warranty
P270F	260W PolyCrystalline Solar Module with Steel Mount - Tilt Adjustment (10 or 45 Degree) Mount Galvanized and Powder Coated IEC 61730-1:2019 and IEC 61215-2:2017	66.93 x 40.55 x 1.81	Black	25 Years
P310F	310W PolyCrystalline Solar Module with Steel Mount - Tilt Adjustment (10 or 45 Degree) Mount Galvanized and Powder Coated IEC 61730-1:2019 and IEC 61215-2:2017	66.93 x 42.13 x 1.57	Black	25 Years

#### Heavy Duty Mount Adder (Required with 45 degree tilt)

Controller

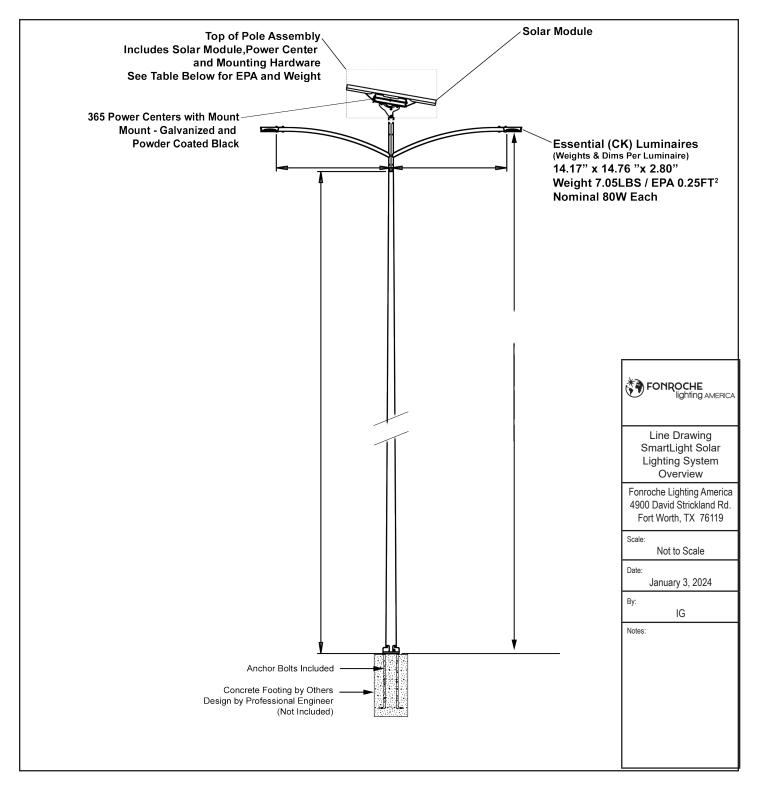
HW-MC Heavy Duty Mount Galvanized with Marine Powder Coat Upgrade (used with 45 degree tilt or high winds)

Pow	er 365 Assembly Product Code / Description	BATTERIES		
2P	Power 365 Power Center with 624 Wh NiMH Battery Capacity-IP65	Chemistry	Nickel Metal Hydride	
3P	Power 365 Power Center with 936 Wh NiMH Battery Capacity-IP65	Operating Temperature	-40°Fto + 158°F (-40°C to +70°C )	
4P	Power 365 Power Center with 1248 Wh NiMH Battery Capacity-IP65	Warranty	5 Year Full Replacement	
		Certifications	EN 550 14-1 ; EN 55014-2 ; EN 61000-6-2 ; EN 61000-6-3	

Battery Management Syste	m (BMS)				
Anti-Black Out Control	2xS				
3-Level Programmable Lighting Profiles					
		2[P			
System Warranty and Certification					
System Warranty	5 Years	2[P			
System Cortification	CE				

Total Top of Pole Assembly - Panel, Mounting, 365 Power Center									
			EPA (Sq.Ft.)						
2xSolar Assembly	2x3P	2x4P	10° Tilt						
2[P270F-HW-MC	304.67	315.26	9.24						
2[P310F-HW-MC	304.67	315.26	9.24						

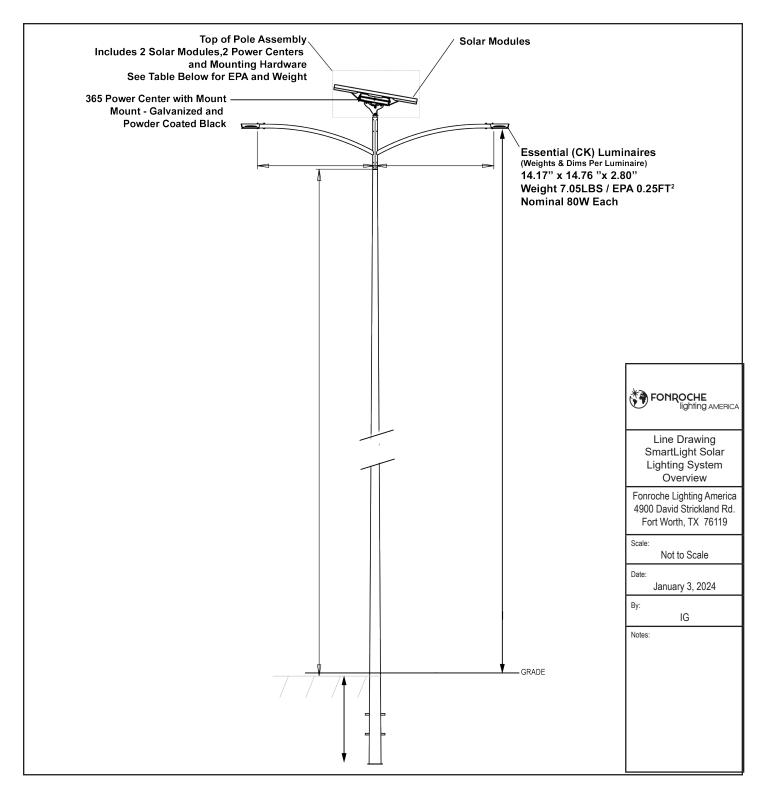
POLE SELECTED BASED ON PROJECT CONDITIONS			ARM ASSEMBLY	
PRODUCT CODE / DESCRIPTION	Nominal Height/ Mounting Height	EMBED DEPTH	4' Twin Arm Assy. Weight/EPA	6' TWIN ARM ASSY. WEIGHT/EPA
14Ft. Round Tapered Pole-Anchor Base-2	14'/16	NA	43.93 LBS. / 2.26 FT <sup>2</sup>	58.39 LBS. / 2.56 FT <sup>2</sup>
20Ft. Round Tapered Pole-Anchor Base-2	20'/22'	NA	43.93 LBS. / 2.26 FT <sup>2</sup>	58.39 LBS. / 2.56 FT <sup>2</sup>
25Ft. Round Tapered Pole-Anchor Base-2	25'/27'	NA	43.93 LBS. / 2.26 FT <sup>2</sup>	58.39 LBS. / 2.56 FT <sup>2</sup>
30Ft. Round Tapered Pole-Anchor Base-2	30'/32'	NA	43.93 LBS. / 2.26 FT <sup>2</sup>	58.39 LBS. / 2.56 FT <sup>2</sup>
14Ft. Round Tapered Pole-Direct Burial-2	14'/16'	3' 9-1/4"	43.93 LBS. / 2.26 FT <sup>2</sup>	58.39 LBS. / 2.56 FT <sup>2</sup>
20Ft. Round Tapered Pole-Direct Burial-2	20'/22'	4' 5-1/4"	43.93 LBS. / 2.26 FT <sup>2</sup>	58.39 LBS. / 2.56 FT <sup>2</sup>
25Ft. Round Tapered Pole-Direct Burial-2	25'/27'	5'0"	43.93 LBS. / 2.26 FT <sup>2</sup>	58.39 LBS. / 2.56 FT <sup>2</sup>
30Ft. Round Tapered Pole-Direct Burial-2	30'/32'	Contact Representative	43.93 LBS. / 2.26 FT <sup>2</sup>	58.39 LBS. / 2.56 FT <sup>2</sup>
CST - Pole				



TOTAL TOP OF POLE ASSEMBLY - PANEL, MOUNTING, 365 POWER CENTER								
			EPA (Sq.Ft.)					
2xSolar Assembly	2x3P	2x4P	10° Tilt					
2[P270F-HW-MC	304.67	315.26	9.24					
2[P310F-HW-MC	304.67	315.26	9.24					



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