

Autonomous Solar
Street Light
ESSENTIAL SUPER
SINGLE SMARTLIGHT



Project:

Notes:

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	Fixture	Temp	Туре	HS		Solar	Power	Option		Pole	Color	Color	Tilt
							Center				(Pole)	(Fixture)	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 SINGLE SMART LIGHT



LUMINAIRE PRODUCT CODE	Name	COLOR TEMP	DISTRIBUTION	Color	HOUSE SIDE SHIELD OPTION	WEIGHT LBS EA.	EPA FT² Ea.
[M54-CK 16B	Essential	2700K, 3000K, 5000K	T2,T3,T4,CW (Crosswalk)	Black	NA	7	.25
Custom							

NOTE: Super Single 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.

	Module Assembly It 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)

System Warranty and Certification

5 Years

]-2[

Solar

System Warranty

Fixture

Temp

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

Pow	rer 365 Assembly Product Code / Description	BATTERIES					
3P	Power 365 Power Center with 936 Wh NiMH Battery Capacity-IP65	Chemistry	Nickel Metal	Nickel Metal Hydride			
4P	Power 365 Power Center with 1248 Wh NiMH Battery Capacity-IP65	Operating Temperature	-40°Fto + 158	-40°Fto + 158°F (-40°C to +70°C) 5 Year Full Replacement			
		Warranty	5 Year Full Re				
		Certifications	EN 550 14-1 ;	N 550 14-1 ; EN 55014-2 ; EN 61000-6-2 ; EN 61000-6-3			
Con	troller	TOTAL TOP OF POLE ASSEM	ивly - Panel, Moun	ring, 365 Power Cent	ER		
	ery Management System (BMS)				EPA (Sq.Ft.)		
	i-Black Out Control evel Programmable Lighting Profiles	2xSolar Assembly	2x3P	2x4P	10° Tilt		
		2[P270F-HW-MC	297	319	4.48		

2[P310F-HW-MC

297

Pole

319

4.48

Color

Color

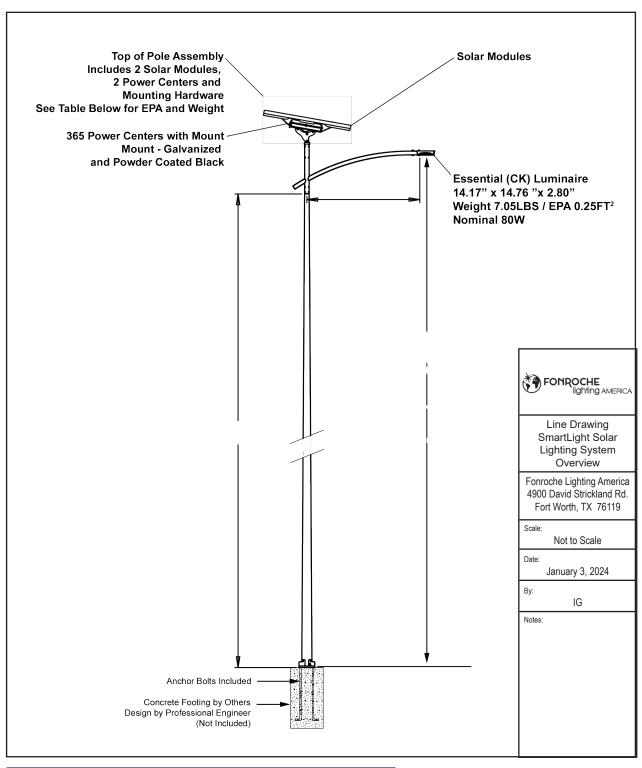
(Fixture)

Tilt

POLE SELECTED BASED ON PROJECT CONDITIONS			ARM ASSEMBLY	
PRODUCT CODE / DESCRIPTION	Nominal Height/ Mounting Height	EMBED DEPTH	4' ARM ASSY. WEIGHT/EPA	6' ARM ASSY. WEIGHT/EPA
14Ft. Round Tapered Pole-Anchor Base	14'/16'	NA	31.96 LBS. / 1.36 FT ²	38.92 LBS. / 1.88 FT ²
20Ft. Round Tapered Pole-Anchor Base	20'/22'	NA	31.96 LBS. / 1.36 FT ²	38.92 LBS. / 1.88 FT ²
25Ft. Round Tapered Pole-Anchor Base	25'/27'	NA	31.96 LBS. / 1.36 FT ²	38.92 LBS. / 1.88 FT ²
30Ft. Round Tapered Pole-Anchor Base	30'/32'	NA	31.96 LBS. / 1.36 FT ²	38.92 LBS. / 1.88 FT ²
14Ft. Round Tapered Pole-Direct Burial	14'/16'	3' 9-1/4"	31.96 LBS. / 1.36 FT ²	38.92 LBS. / 1.88 FT ²
20Ft. Round Tapered Pole-Direct Burial	20'/22'	4' 5-1/4"	31.96 LBS. / 1.36 FT ²	38.92 LBS. / 1.88 FT ²
25Ft. Round Tapered Pole-Direct Burial	25'/27'	5'0"	31.96 LBS. / 1.36 FT ²	38.92 LBS. / 1.88 FT ²
30Ft. Round Tapered Pole-Direct Burial	30'/32'	Contact Representative	31.96 LBS. / 1.36 FT ²	38.92 LBS. / 1.88 FT ²

Option

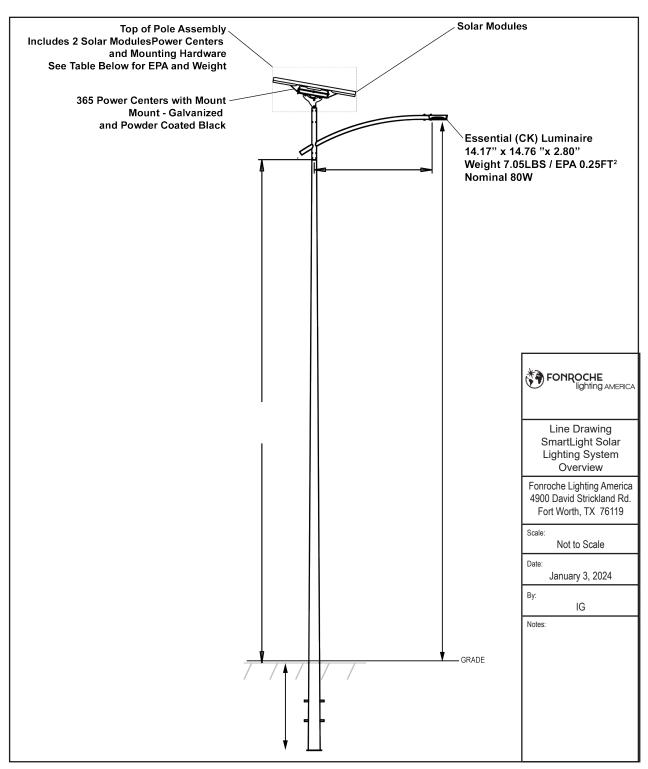
Power



TOTAL TOP OF POLE ASSEMBLY - PANEL, MOUNTING, 365 POWER CENTER								
			EPA (Sq.Ft.)					
2xSolar Assembly	2x3P	2x4P	10° Tilt					
2[P270F-HW-MC	297	319	4.48					
2[P310F-HW-MC	297	319	4.48					



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						Center			(Pole)	(Fixture)	Panel



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						Center			(Pole)	(Fixture)	Panel