

Date: \_\_\_\_\_ Customer: \_\_\_\_\_

Project: \_\_\_\_\_

Type: \_\_\_\_\_ Qty: \_\_\_\_\_



# Lukida 4000



Order Code: KE-LU04 - \_\_\_\_\_ - \_\_\_\_\_ - S - \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ - WHA - \_\_\_\_\_

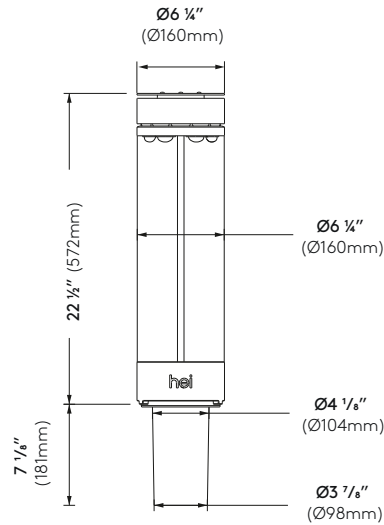
<u>KE-LU04</u>	Series	<b>KE-LU04</b> Lukida 4000					
	CCT	<b>30</b> 3000K	<b>40</b> 4000K				
	Optics	<b>45</b> Symmetric	<b>70S</b> Asymmetric Street	<b>70T</b> Symmetric long	<b>80</b> Asymmetric Street with pathway		
<u>S</u>	Mounting	<b>S</b> Single					
	Solar	<b>1016</b> P100-160 Power Tube (134W)	<b>2016</b> P200-160 Power Tube (267W)	* Determined by Selux			
	Batteries	<b>2P</b> 2 Lithium Batteries in Column	<b>3P</b> 3 Lithium Batteries in Column	*Determined by Selux			
	Overall Height	<b>04<sup>1</sup></b> 4 meter Column	<b>05</b> 5 meter Column	<b>06</b> 6 meter Column	<b>07<sup>2</sup></b> 7 meter Column	<b>08<sup>2</sup></b> 8 meter Column	<sup>1</sup> Not available with P200-160 Power Tube. <sup>2</sup> Not available with P100-160 Power Tube.
<u>WHA</u>	Finish	<b>WHA</b> White Aluminum (silver)					
	Operation Profile (see page 5)	<b>1</b> — — — Hours PM Dim % Hours AM	<b>2 XXX</b> All night 100%	<b>3 XXX</b> All Night 30%	<b>4 XXX</b> 4 hours PM 0 hours AM	<b>5 XXX</b> 6 hours PM 0 hours AM	<b>6 XXX</b> 8 hours PM 0 hours AM
		<b>7 XXX</b> 2 hours PM 2 hours AM	<b>8 XXX</b> 4 hours PM 2 hours AM	<b>9 XXX</b> 6 hours PM 2 hours AM	<b>10 XX</b> 8 hours PM 2 hours AM		

### Approvals

Date: \_\_\_\_\_



## KE-LU04



## Specifications

**Luminaire Housing** - High pressure die cast low-copper aluminum housing.

**Mounting Arm** - Welded steel mounting arm is galvanized and powder coated.

**Optics** - Molded acrylic optics provide Symmetric, Asymmetric Street, Asymmetric Street with Pathway, and Asymmetric Wide with Pathway distributions.

**Light Engine** - High Efficiency LEDs mounted to aluminum heat sink for maximum LED performance and life. 3000K and 4000K CCT option.

**Column** - Fitter for upper assembly and luminaire secured with six stainless steel, Allen head set screws. Pole houses batteries and solar controller and are accessible via vented pole doors.

**Smart Controller** - Monitors and regulates charging and discharging of batteries. Programmable to control hours of operation (in relation to dusk and dawn). Maximum power-point tracking (MPPT) increases power production by up to 30%. Limited warranty by controller manufacturer for 5 years.

**Batteries** - Choice of 2 or 3 Lithium LifePo4 Batteries. Batteries mount inside pole using a removeable battery sleeve.

**Solar Panels** - Vertically mounted monocrystalline PV power tube. 1x P100-160 (134W) power tube or 2x P200-160 (267W) power tubes. Power Tubes are sealed and covered with borosilicate glass.

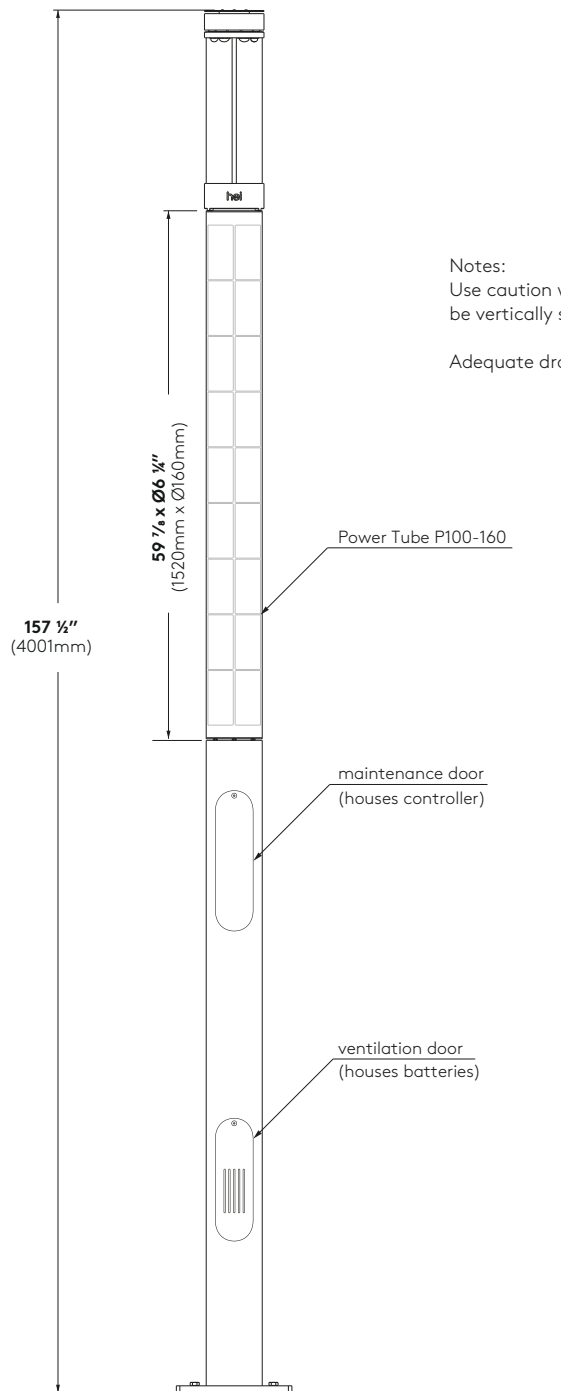
**Exterior Luminaire Finish** - Standard exterior color is White Aluminum (WHA). Finish is silver in appearance.

**5 Year Limited LED Luminaire Warranty**- Selux offers a 5 Year Limited Warranty to the original purchaser that the Lukida 4000 Solar luminaire shall be free from defects in material and workmanship for up to five (5) years from date of shipment. This limited warranty covers the LED driver and LED array when installed and operated according to Selux instructions. Fixture suitable for ambient temperature of 40°C (104°F). Minimum ambient temperature rating -20°C (-4°F).

**Solar Components Warranty** -  
 PV Panels - 20 year performance warranty  
 Controller - 5 years  
 Batteries - 1 year (prorated)  
 For details and exclusions, see "Selux Terms and Condition of Sale."

**Visit [selux.us](http://selux.us) for our LED End of Life recycling policy.**

### Mounting Details

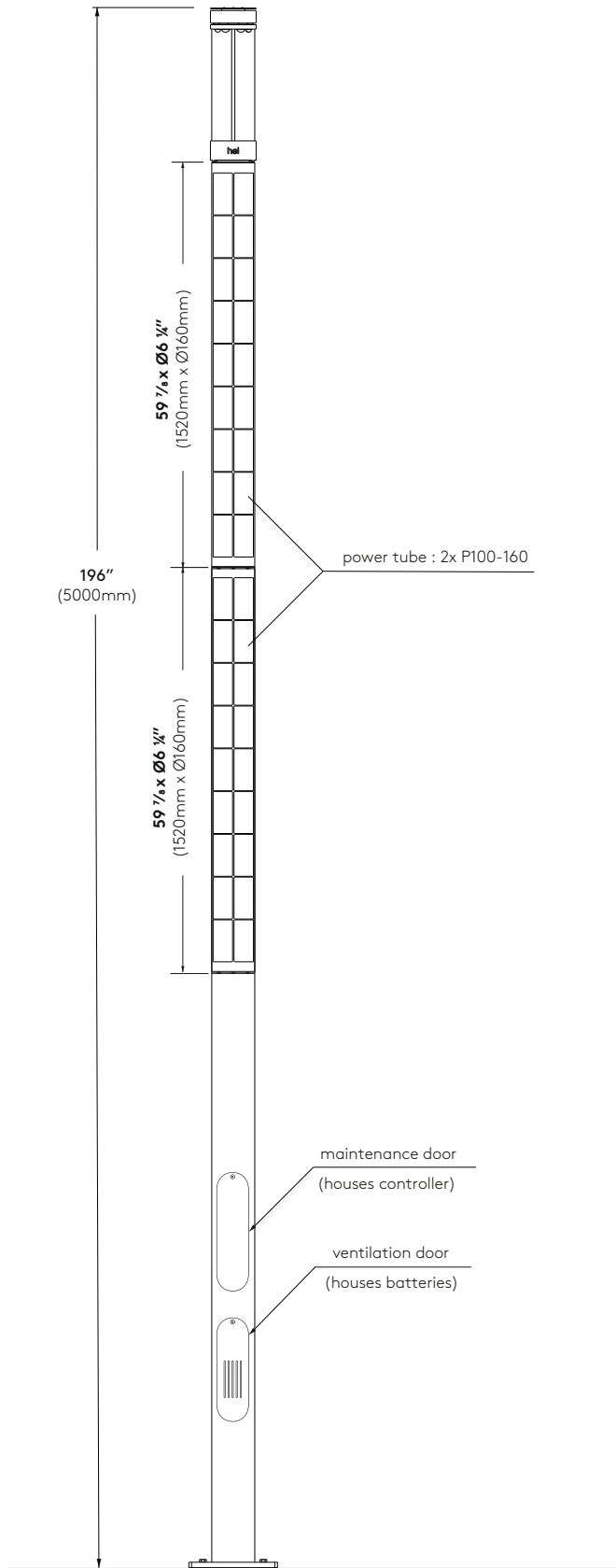


Notes:

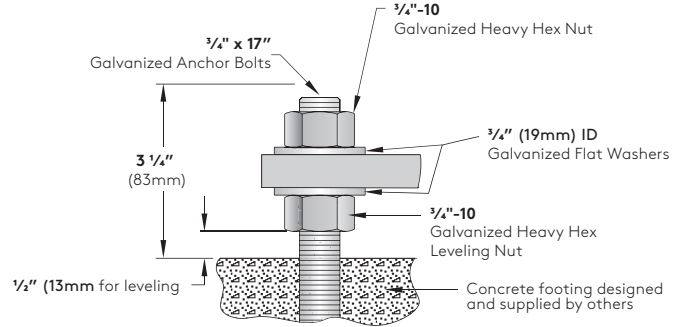
Use caution when setting anchor bolts. Bolts must be vertically straight and centered on dimensions shown.

Adequate drainage must be provided in concrete foundation.

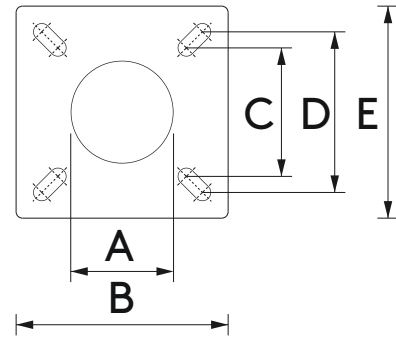
All dimensions are in inches and millimeters  
Configuration KE-LU04-xx-xx-S-1016-xx-04-WHA shown as reference



**Anchor Bolt Detail**



**Flange Plate**



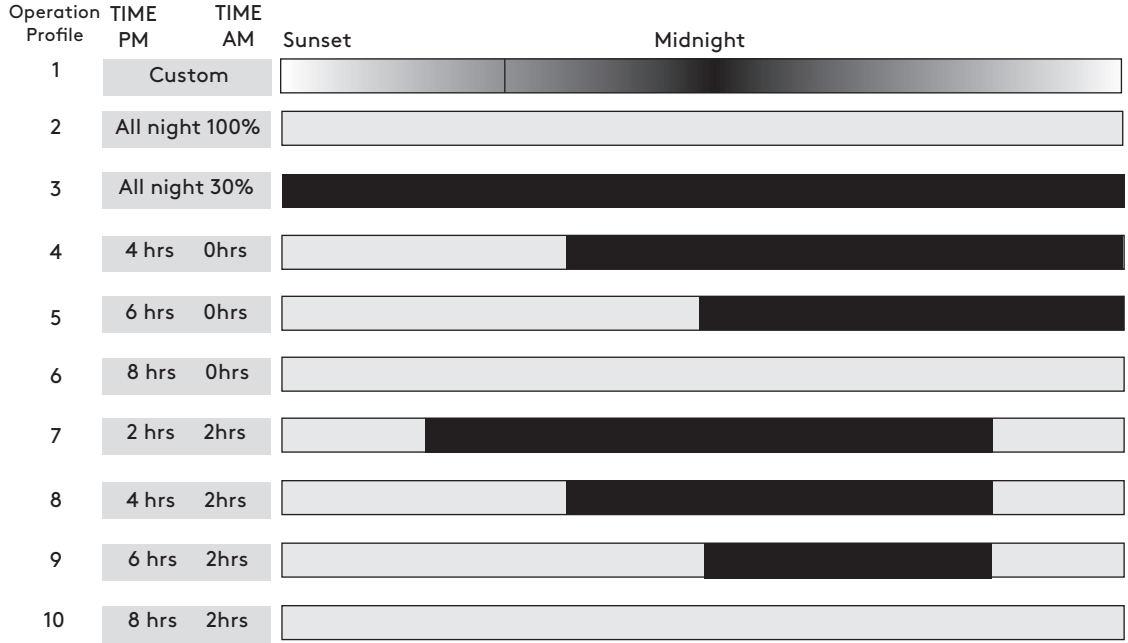
Flange Plate Details		
A	Ø6 7/8"	Ø160mm
B	13"	330mm
C	7 7/8"	200mm
D	9 7/8"	250mm
E	13"	330mm

All dimensions are in inches and millimeters  
 Configuration KE-LU04 xx-xx-S-2016-xx-05-WHA shown as reference

### Operation Profile Options

Create a (4) digit code to design your own profile. Example:

1   5   3   4  
 Profile Hours Dim Hours  
 PM % AM



100% On     1. Profiles 3-10 dim to 30% between PM and AM hours by default.  
 2. Profile 1 provides a custom profile. Dim level can be specified with a single number between 1 and 9. (e.g. 2 = 20% LEDs dim to 20% power)

### Pole Offering and Weight

Lukida 4000		
Solar Tubes	Height	Weight
P100-160	4m	170lb (77kg)
	5m	206lb (93kg)
	6m	241lb (109kg)
0 P200-160	5m	195lb (88kg)
	6m	230lb (104kg)
	7m	265lb (120kg)

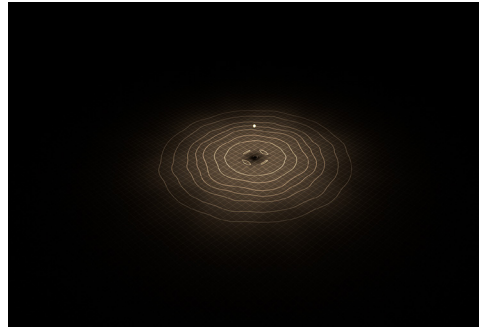
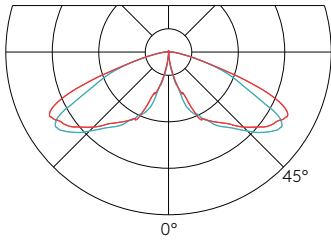
### Basic Wind Speed

Lukida 4000 - Basic Wind Speed Matrix				
Solar Tubes	Height	Base Dia	Bolt Circle	Rated Basic Wind Speed
1016 P100-160	4m	6-1/4"	9-1/2"	180mph
	5m			70mph
	6m			140mph
2016 P200-160	5m			100mph
	6m			100mph
	7m			100mph

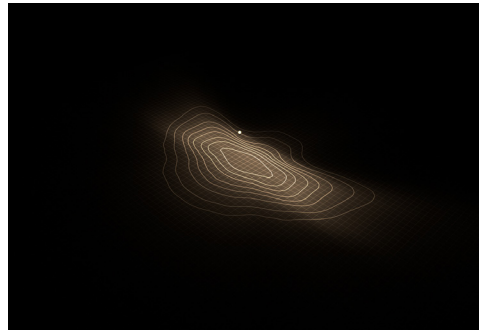
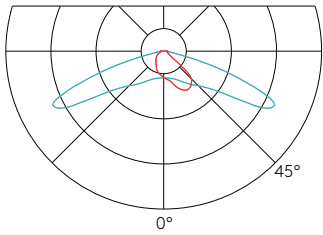
Notes:  
 1. Basic Wind Speed ratings certified in accordance with AASHTO 2013 (LTS-6) for 3-s gust wind speeds based on Allowable Stress Design (ASD) analysis.  
 2. Consult factory for equivalent Load and Resistance Factor Design (LRFD) wind speeds.  
 4. Rated performance is dependant upon the pole being properly attached to a supporting foundation of adequate design  
 Please consult Selux engineering to determine wind load requirements for your specific project..

**Photometry**

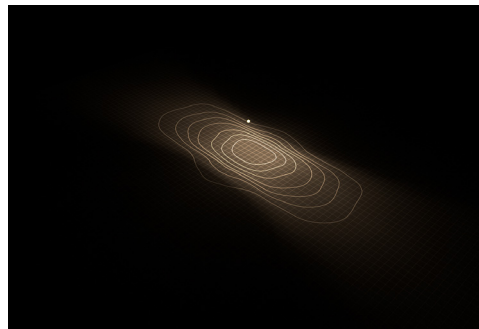
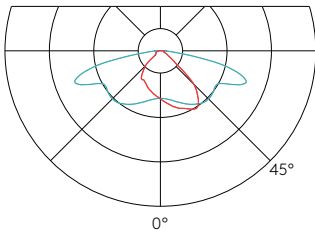
**(45) Symmetric**



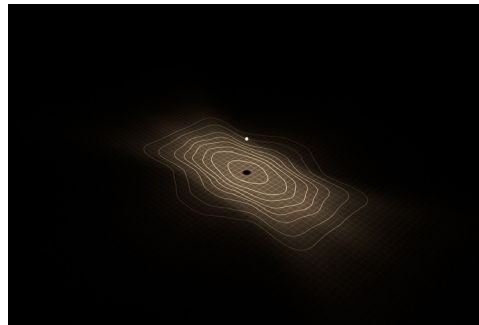
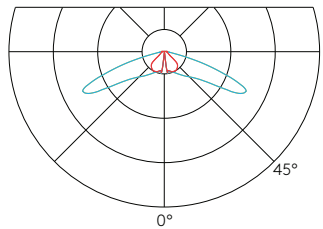
**(70S) Asymmetric Street**



**(80) Asymmetric Street with Pathway**



**(70T) Symmetric Long**



CCT Multiplier	
3000K	1.000
4000K	1.063