

Tassafaronga Village
Oakland, California



project	Tassafaronga Village
client	Tassafaronga Village
architect	David Baker + Partners
lighting designer	Horton Lees Brogden

Modifications are possible due to the constant development and improvement of LED technology.

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Tassafaronga Village Oakland, California

Tassafaronga Village has brought affordable and accessible housing to east Oakland, California, and created bright public space and environmentally innovative design on land that was once contaminated. In 1945 the U.S. government developed the land and built temporary housing for wartime workers in Oakland's shipyards. In 1964, the Oakland Housing Authority (OHA) acquired the property and replaced the original structures with 87 public housing units: grim low-rise concrete buildings in a barren hardscape.

Today, Tassafaronga Village offers 157 affordable apartments that house over 500 residents. The architecture firm David Baker + Partners designed Tassafaronga's cream, sienna, and canary yellow walls. The units are varied in form in direct contrast to the monotony of the site's former war housing. Completed in 2010, the apartments were immediately fully occupied.

The Village also set benchmarks for environmentally sustainable development. Tassafaronga achieved LEED Platinum status from the US Green Building Council, employing recycled materials and green design strategies. The design included solar power for on-site generation of electricity and hot water as well as a green roof. Tassafaronga is also distinguished as the first community to receive a Gold rating for LEED for Neighborhood Development. Sheltered, enclosed public spaces, ample space, facilities for children to play, and the site's proximity to transit provide residents with an enjoyable, safe atmosphere.

The Selux SonnelITER solar power luminaire was chosen for its sustainable design while providing excellent illumination for the many pathways residences use daily.

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Solar - Off-grid luminaire options



Selux Solar lighting products were designed to offer one of the most impressive and well-designed systems available. An advanced Energy Management System (EMS) is the heart of the system - it allows for custom operating profiles, Maximum Power-Point Tracking (MPT), Run Time Extension (RTE), and Wireless Programming. All major components including luminaire, PV modules, and batteries are constantly monitored to ensure reliable operation. No lift required for diagnosing problems, checking component status, or reprogramming - the provided wireless remote does all this from the ground and can even be used as an on/off switch for the luminaire. UL listed PV modules are available up to 320W and Absorbed Glass Matt (AGM) batteries up to 352Ah maintain capacity better in cold climates. Four unique luminaires and optical systems produce precise distributions with maximum visual comfort. All parts of the system are neatly packaged to provide a clean look.

Discera 4 LED Solar



Construction	Die cast low-copper aluminum housing with hinged door for tool-less access to optical chamber · Powered by 110-320 watts of photovoltaic power stored and supplied to luminaire by 1 or 2 solar specific absorbed glass matt (AGM) batteries
Optic	High flux LEDs mounted to PC boards and attached to aluminum heat sink for maximum LED performance and life
Light Source	Gen5 LED in 2700K, 3000K, and 4000K · 80+ CRI
Luminous flux	Up to 6,243lm · Up to 96lm/W
Light Distribution	Type I · Type II · Type III · Type V
Mounting	Steel panel supports solar panels and storage batteries · Integrated pole fitter allows orientation independent of the luminaire
Dimensions	Discera fixture is 15 3/4" wide x 17 5/16" long x 4 1/4" high · Pole heights 12' through 18'
Finish	Tiger Drylac certified polyester powder coat finish
Options	Motion sensor · Single or double luminaire mounting
Certificates	NRTL Wet Location · 5 Year LED Warranty · 1 Year Battery Warranty · ARRA Compliant · RoHS Compliant · Union Made - IBEW Local 363 · ASTM and PCI for finish · IP66 · Dark Sky

Avanza 450 Solar



Construction	Die cast low-copper aluminum housing with hinged door for toolless access to optical chamber · Powered by 110-320 watts of photovoltaic stored and supplied to luminaire by 1 or 2 solar specific absorbed glass matt (AGM) batteries
Optic	High precision injection molded cross-beam technology reflectors · Completely sealed IP66 optical chamber
Light Source	LED in 3000K - 5000K · 80CRI minimum
Luminous flux	Up to 4,316lm · Up to 77lm/W
Light Distribution	Type III Narrow or Wide · Type V
Mounting	Steel panel supports solar panels and storage batteries · Integrated pole fitter allows orientation independent of the luminaire
Dimensions	Avanza fixture is 16 11/16" wide x 20 3/4" long x 4 1/16" high · Pole heights 10' through 18'
Finish	Tiger Drylac certified polyester powder coat finish
Options	Motion sensor · Single or double luminaire mounting
Certificates	NRTL Wet Location · 5 Year LED Warranty · 1 Year Battery Warranty · ARRA Compliant · RoHS Compliant · Union Made - IBEW Local 363 · ASTM and PCI for finish · IP66 · Dark Sky

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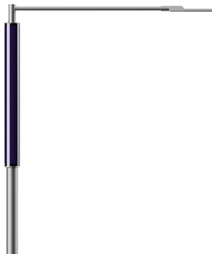
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Antares 4000 - hei by Selux



Optic	2700k, 3000k, 4000k
Light Source	LED 70+CRI; 80+ CRI; Up to 6,550lm; up to 164lm/W
Light Distribution	Asymmetric street; Asymmetric Street with Pathway, Asymmetric Street Wide with Pathway
Options	Dimming, Motion Sensor
Certificates	IP66
[en:]	Interior - Exterior
[en:]	M36 - Hei by Selux

Antares 8000 - hei by Selux



Optic	2700k, 3000k, 4000k
Light Source	LED; 70+ CRI or 80+ CRI; Up to 6,550lm; up to 164lm/W
Light Distribution	Asymmetric street; Asymmetric Street with Pathway, Asymmetric Street Wide with Pathway
Options	Dimming, Motion Sensor
Certificates	IP66
[en:]	Interior - Exterior
[en:]	M36 - Hei by Selux

Inula Bollard Solar



Construction	Die cast low-copper aluminum extruded housing · Stainless steel fasteners · High-impact UV-resistant encapsulated mono-crystalline solar module
Optic	High flux White LEDs mounted to a metal core PCB · Precision-injection molded lenses inside of a completely sealed optical chamber
Light Source	LED in 3000K or 4500K · 80CRI minimum
Luminous flux	Maximum 4W · 102lm - 205lm · Luminaire efficacy up to 82lm/W
Light Distribution	1Q · 2Q90 · 2Q180 · 3Q · 4Q
Dimensions	Ø8" · Overall bollard height 1 1/2' through 4'
Finish	Tiger Drylac certified polyester powder coat finish
Options	Ground Screw · 3 lighting profiles to choose from
Certificates	NRTL Wet Location · 5 Year LED Warranty · ARRA Compliant · RoHS Compliant · Union Made - IBEW Local 363 · ASTM and PCI for finish · IP65 · IK10 · Dark Sky
[en:]	Interior - Exterior
[en:]	M36 - Hei by Selux

Lukida 4000



Optic	2700k; 3000k; 4000k
Light Source	LED; 70+ CRI or 80+ CRI; Up to 3,050lm; up to 153lm/w
Light Distribution	Asymmetric Street, Asymmetric Street with Pathway, Asymmetric Long, Symmetric
Options	Dimming, Motion Sensor
Certificates	IP66
[en:]	Interior - Exterior
[en:]	M36 - Hei by Selux

SonneLiter LED Solar



Construction	die-cast, low copper aluminum housing and arm with hinged door for easy access to optical chamber · powered by 100-280 watts of photovoltaic power stored · supplied to luminaire by 1 or 2 solar specific absorbed glass matt (AGM) batteries
Optic	precision segmented aluminum reflectors
Light Source	LED 3000K, 4500K up to 30W
Light Distribution	Type I · Type II · Type III · Type IV
Options	motion sensor · single or double luminaire mounting · luminaire arm with adjustable tilt · independent rotation of luminaire and panel assembly
[en:]	Interior - Exterior
[en:]	M36 - Hei by Selux

