SUN VALLEY LIGHTING

PROJECT NAME:

FIXTURE TYPE:

SOLID STATE LIGHTING

LCN WALL MOUNT-PLED

Fixture Housing

Shade, Cage, and Hub are welded to create a one piece unitized Housing consisting of cast low copper (A356 alloy; < 0.2%Cu) aluminum. One side of Cage is a door fastened to the Housing with a stainless steel hinge at the bottom and secured with a single stainless steel hex head cap screw at the top of the door. PLED Optical module secures to frame on the underside of the Shade and sealed with an extruded closed cell silicone gasket. Driver/wiring accessed through the Electrical Access at the bottom of the fixture. All exposed hardware is stainless steel.

Decorative Arm

One piece unitized decorative arm consisting of cast low copper (A356 alloy;<0.2% Cu) aluminum. Arm is welded to the Wall Mount plate and the entire Arm/Wall Mount assembly is either welded to the the LCN12 Hood (XCNA-P; XCNB-P) or mechanically fastened to the Hub (XCNA-T; XCNB-T). All welds are blended to create a homogeneous appearance. Wall Mount plate affixed to mounting surface covering a recessed j-box.

PLED™ Optics

Emitters (LED's) are arrayed on a metal core PCB panel with each emitter located on a copper thermal transfer pad and enclosed by an LED refractor. In asymmetric distributions, a micro-reflector inside the refractor re-directs the house side emitter output towards the street side and functions as a house side shielding element. Refractors are injection molded H12 acrylic. Each LED refractor is sealed to the PCB over an emitter and all refractors are retained by an aluminum frame. LED refractors produce standard asymmetric site/area distributions. Panels are field replaceable and field rotatable in 90° increments.

LED Driver(s)

Constant current electronic with a power factor of >.90 and a minimum operating temperature of -40°F. Driver(s) is/are UL and cUL recognized. In-line terminal blocks facilitate wiring between the driver and optical arrays. Drivers accept an input of 120-277V, 50/60Hz or 347V-480V, 50,60Hz. (0 - 10V dimmable driver is standard. Driver has a minimum of 3KV internal surge protection. Luminaire supplied with 20KV surge protector for field accessible installation.)

LED Emitters

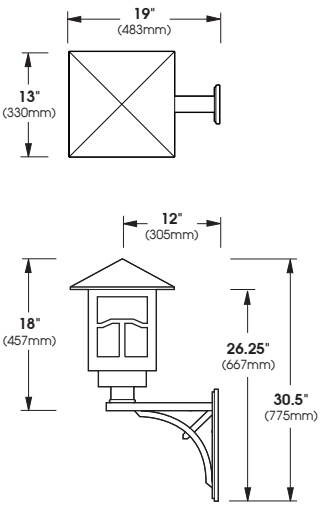
High output LED's are utilized with drive currents ranging from 175mA to 525mA. 70CRI Minimum. LED's are available in standard Neutral White (4000K), or optional Cool White (5000K) or Warm White (3000K). Consult Factory for other LED options.

Amber LED's

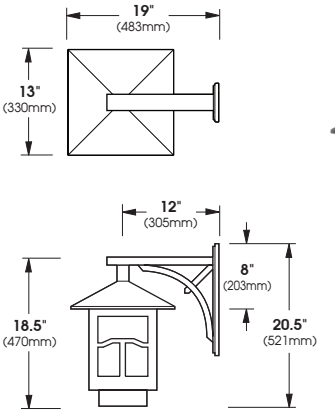
PCA (Phosphor Converted Amber) LED's utilize phosphors to create color output similar to LPS lamps and have a slight output in the blue spectral bandwidth. TRA (True Amber) LED's utilize material that emits light in the amber spectral bandwidth only without the use of phosphors.

Finish

Electrostatically applied TGIC Polyester Powder Coat on substrate prepared with 20 PSI power wash at 140°F. Four step media blast and iron phosphate pretreatment for protection and paint adhesion. 400°F bake for maximum hardness and durability.



LCN12/XCNA-UT (Post Top Mount)



LCN12/XCNA-UP (Pendant Mount)

BABA compliant

U.L. Listed for Wet Location

2023188

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An Employee Owned Company
660 West Avenue O, Palmdale, CA 93551
Phone (661) 233-2000 www.usaltg.com

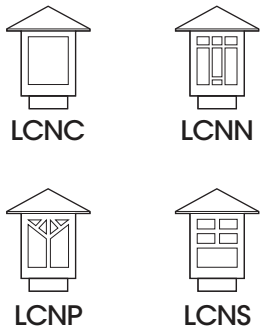
MADE IN THE USA

SUN VALLEY LIGHTING

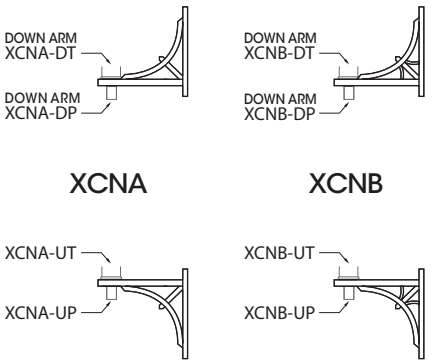
LCN-WM SERIES - LED

SPECIFICATIONS

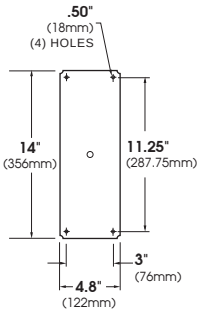
Optional Styles



Optional Arms

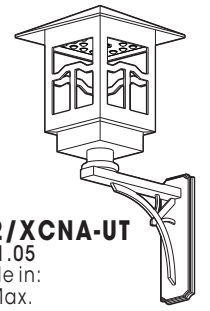


Wall Plate



Mounting hardware by others.

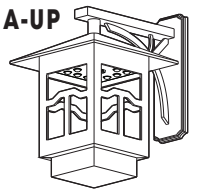
PLED® Modules



LCN12/XCNA-UT
E.P.A.= 1.05
Available in:
20 LED Max.

20 LED MODULE

LCN12/XCNA-UP
E.P.A.= 1.07
Available in:
20 LED Max.



ORDERING INFORMATION

Spec/Order Example: LCNP12/XCNA-UP/PLED-III-M/20LED-525mA/NW/277V/RAL-9005-T/PC+V

Luminaire	Mounting	Optics	# of LED's	Drive Current	Color	Voltage	Finish	Options
Luminaire	**Mounting**	**Optics**	**LED**			**Voltage**	**Finish**	**Options**
☐ **LCN12/XCNA** ☐ **LCN12/XCNB** ☐ **LCNC12/XCNA** ☐ **LCNC12/XCNB** ☐ **LCNN12/XCNA** ☐ **LCNN12/XCNB** ☐ **LCNP12/XCNA** ☐ **LCNP12/XCNB** ☐ **LCNS12/XCNA** ☐ **LCNS12/XCNB**	Down Arm ☐ **-DT** ☐ **-DP** Up Arm ☐ **-UT** ☐ **-UP**	**PLED™** Distribution Type ☐ Type II **PLED-II** ☐ Type II Front Row **PLED-II-FR** ☐ Type III Med. **PLED-III-M** ☐ Type III Wide **PLED-III-W** ☐ Type IV **PLED-IV** ☐ Type IV Forward Throw **PLED-IV-FT**	# of LEDs ☐ **20LED**	Drive Current ☐ **175mA** ☐ **350mA** ☐ **450mA** ☐ **525mA**	Color Temp - CCT ☐ **NW (4000K)** *STANDARD ☐ **CW (5000K)** ☐ **WW (3000K)** Other LED Colors Available Consult Factory **AMBER**[1] ☐ True Amber **TRA**	☐ **120** ☐ **208** ☐ **240** ☐ **277** ☐ **347** ☐ **480**	Standard Textured Finish ☐ Black **RAL-9005-T** ☐ White **RAL-9003-T** ☐ Grey **RAL-7004-T** ☐ Dark Bronze **RAL-8019-T** ☐ Green **RAL-6005-T** Premium Finishes ☐ Rust ☐ Patina Copper **PC** For smooth finish replace suffix "T" with suffix "S" (Example: RAL-9500-S) Consult factor for custom colors	☐ Internal House Side Shield inc. LED Count (Example: HS-PLED/48) **HS-PLED** ☐ High-Low Dimming for Switch by Others/Select Levels 50/100 or 25/100 (Example: HLSW/25) **HLSW** ☐ Photo Cell + Voltage (Example: PC120V) **PC+V** ☐ Single Fuse (120V, 277V) **SF** ☐ Double Fuse (208V, 240V) **DF** Contact factory for Step Dim Motion Sensor (programmed 25-50/100)

NOTES:
1 - Narrow band Ambers have no definable CCT equivalent

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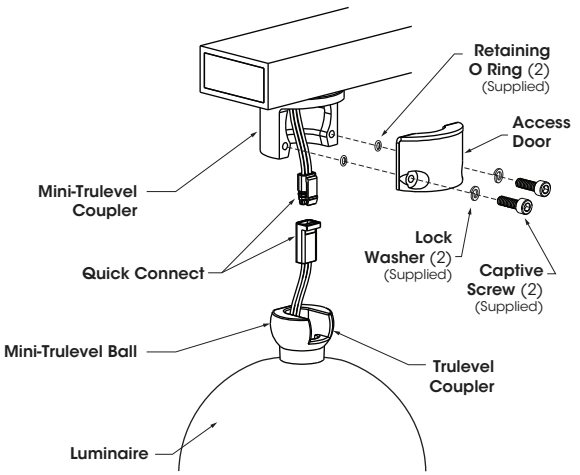
MADE IN THE USA

SUN VALLEY LIGHTING

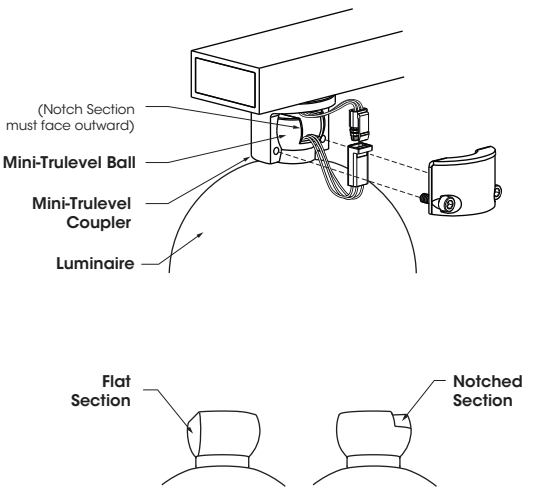
LCN-WM SERIES - LED

INSTALLATION DETAIL

Mini-Trulevel System® Assembly for Installation of Pendant Mount Luminaires



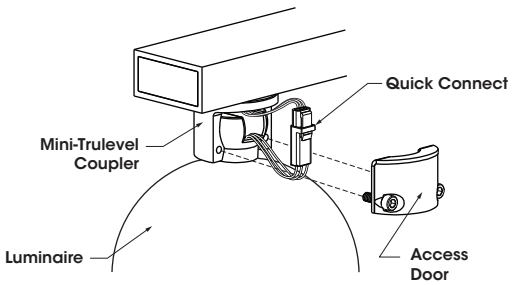
1. Loosen (2) Captive Screws and remove Access Door from Mini-Trulevel Coupler, pull out Quick Connect from Mini-Trulevel Coupler and Mini-Trulevel Ball.



2. Place Mini-Trulevel Ball inside of Mini-Trulevel Coupler as illustrated.

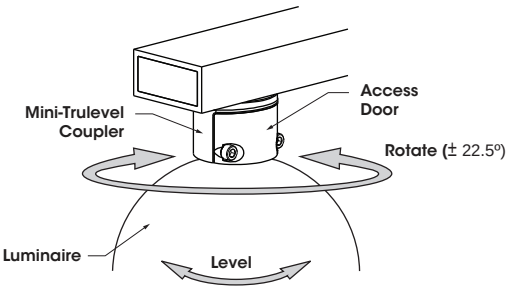
   A - Notched Section of Mini-Trulevel Ball must face outward as illustrated.

   B - Flat Section of Mini-Trulevel Ball must face inward.



3. Connect Quick Connect components, push components inside of Mini-Trulevel Coupler cavity, replace Access Door and loosely secure, do not tighten.

   Fixture will suspend without Access Door during installation.



4. Rotate (left to right ± 22.5°) and level Luminaire to desired position. Tighten Access Door.

   (Tighten each bolt to recommended torque: **10 ft-lb, foot-pound**)

   Mini-Trulevel Pendant Mount is intended to allow for fixture leveling, but is not intended to be "free-swinging" upon proper installation.

SUN VALLEY LIGHTING

LCN-WM SERIES - LED

ELECTRICAL GUIDE

LED COUNT	SOURCE TYPE	SOURCE	INITIAL LUMENS - 4000K	INITIAL LUMENS - 3000K	INITIAL LUMENS - 5000K	L70 GREATER THAN (HR)-TM21	STARTING TEMP.	SYSTEM WATTS	VOLTS	MAX INPUT AMPS
20	LED	20 **PLED**® Optical Module - 175mA	1,141 – 1,257	1,084 – 1,194	1,198– 1,320	85,000+	-20°F	11	120 277	0.09 0.04
20	LED	20 **PLED**® Optical Module - 350mA	2,074 – 2,285	1,970 – 2,171	2,178 – 2,399	85,000+	-20°F	22	120 277	0.18 0.09
20	LED	20 **PLED**® Optical Module - 450mA	2,564 – 2,824	2,435 – 2,683	2,692 – 2,966	85,000+	-20°F	29	120 277	0.23 0.10
20	LED	20 **PLED**® Optical Module - 525mA	2,987 – 3,290	2,837 – 3,126	3,136 – 3,455	85,000+	-20°F	33	120 277	0.27 0.12

MULTIPLIERS FOR LATTICE DEPRECIATION

LCN12
x0.85

LCNC12
Base model
(no lattice)

LCNN12
x0.65

LCNP12
x0.53

LCNS12
x0.62

NOTES:

1. Max Input Amps is the highest of starting, operating, or open circuit currents
2. Lumen values for LED Modules vary according to the distribution type
3. System Watts includes the source watts and all driver components.
4. Fuse value should be sufficient to protect all wiring components. For electronic driver and LED component protection, use 10KV – 20KV surge suppressors.
5. L70(14K) – TM-21 6x rule applied

WARNING: All fixtures must be installed in accordance with local codes or the National Electrical Code. Failure to do so may result in serious personal injury.

SUN VALLEY LIGHTING

PROJECT NAME:

FIXTURE TYPE:

SOLID STATE LIGHTING

LCN-CPA WALL MOUNT-PLED

Fixture Housing

Shade, Cage, and Hub are welded to create a one piece unitized Housing consisting of cast low copper (A356 alloy; < 0.2%Cu) aluminum. Cage retains four Clear Patterned Acrylic lenses. One side of Cage is a door fastened to the Housing with a stainless steel hinge at the bottom and secured with a single stainless steel hex head cap screw at the top of the door. PLED Optical module secures to frame on the underside of the Shade and sealed with an extruded closed cell silicone gasket. Driver/wiring accessed through the Electrical Access at the bottom of the fixture. All exposed hardware is stainless steel.

Decorative Arm

One piece unitized decorative arm consisting of cast low copper (A356 alloy;<0.2% Cu) aluminum. Arm is welded to the Wall Mount plate and the entire Arm/Wall Mount assembly is either welded to the the LCN12 Hood (XCNA-P; XCNB-P) or mechanically fastened to the Hub (XCNA-T; XCNB-T). All welds are blended to create a homogeneous appearance. Wall Mount plate affixed to mounting surface covering a recessed j-box.

PLED™ Optics

Emitters (LED's) are arrayed on a metal core PCB panel with each emitter located on a copper thermal transfer pad and enclosed by an LED refractor. In asymmetric distributions, a micro-reflector inside the refractor re-directs the house side emitter output towards the street side and functions as a house side shielding element. Refractors are injection molded H12 acrylic. Each LED refractor is sealed to the PCB over an emitter and all refractors are retained by an aluminum frame. LED refractors produce standard asymmetric site/area distributions. Panels are field replaceable. Housing frame retains Clear Patterned Acrylic diffusing panels.

LED Driver(s)

Constant current electronic with a power factor of >.90 and a minimum operating temperature of -40°F. Driver(s) is/are UL and cUL recognized. In-line terminal blocks facilitate wiring between the driver and optical arrays. Drivers accept an input of 120-277V, 50/60Hz or 347V-480V, 50,60Hz. (0 - 10V dimmable driver is standard. Driver has a minimum of 3KV internal surge protection. Luminaire supplied with 20KV surge protector for field accessible installation.)

LED Emitters

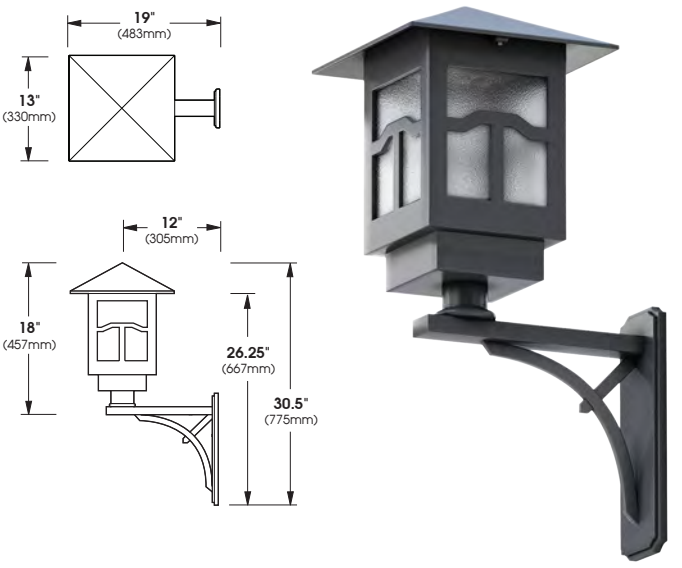
High output LED's are utilized with drive currents ranging from 175mA to 525mA. 70CRI Minimum. LED's are available in standard Neutral White (4000K), or optional Cool White (5000K) or Warm White (3000K). Consult Factory for other LED options.

Amber LED's

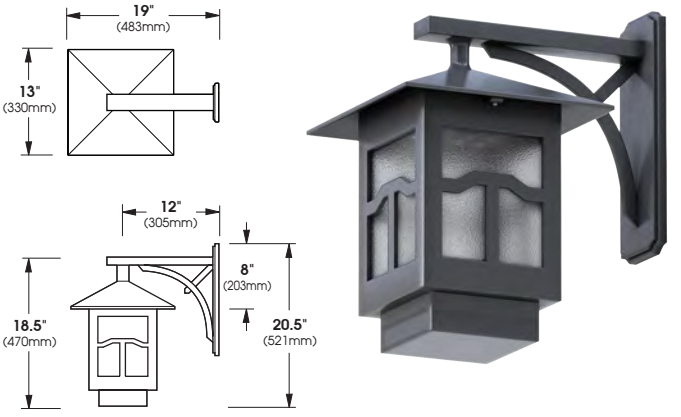
PCA (Phosphor Converted Amber) LED's utilize phosphors to create color output similar to LPS lamps and have a slight output in the blue spectral bandwidth. TRA (True Amber) LED's utilize material that emits light in the amber spectral bandwidth only without the use of phosphors.

Finish

Electrostatically applied TGIC Polyester Powder Coat on substrate prepared with 20 PSI power wash at 140°F. Four step media blast and iron phosphate pretreatment for protection and paint adhesion. 400°F bake for maximum hardness and durability.



LCN12-CPA/XCNA-UT (Post Top Mount)



LCN12-CPA/XCNA-UP (Pendant Mount)

BABA compliant

U.L. Listed for Wet Location

2023188

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An Employee Owned Company
660 West Avenue O, Palmdale, CA 93551
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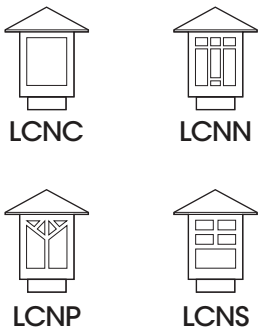
MADE IN THE USA

SUN VALLEY LIGHTING

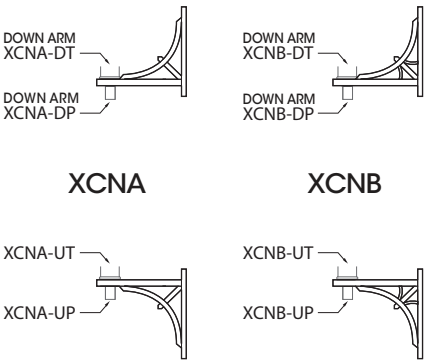
LCN-WM-CPA SERIES - LED

SPECIFICATIONS

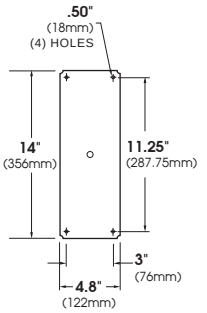
Optional Styles



Optional Arms

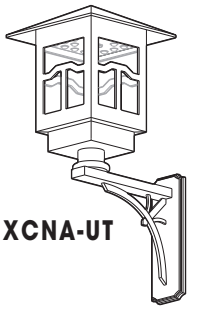


Wall Plate



Mounting hardware by others.

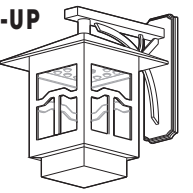
PLED® Modules



LCN12-CPA/XCNA-UT
E.P.A.= 1.05
Available in:
20 LED Max.

20 LED MODULE

LCN12-CPA/XCNA-UP
E.P.A.= 1.07
Available in:
20 LED Max.



ORDERING INFORMATION

Spec/Order Example: LCNN12-CPA/XCNA-UP/PLED-III-M/20LED-350mA/NW/277V/RAL-9005-T/PC+V

Luminaire	Mounting	Optics	# of LED's	Drive Current	Color	Voltage	Finish	Options
Luminaire	**Mounting**	**Optics**	**LED**			**Voltage**	**Finish**	**Options**
☐ **LCN12-CPA/XCNA** ☐ **LCN12-CPA/XCNB** ☐ **LCNC12-CPA/XCNA** ☐ **LCNC12-CPA/XCNB** ☐ **LCNN12-CPA/XCNA** ☐ **LCNN12-CPA/XCNB** ☐ **LCNP12-CPA/XCNA** ☐ **LCNP12-CPA/XCNB** ☐ **LCNS12-CPA/XCNA** ☐ **LCNS12-CPA/XCNB**	Down Arm ☐ **-DT** ☐ **-DP** Up Arm ☐ **-UT** ☐ **-UP**	**PLED™** Distribution Type ☐ Type II **PLED-II** ☐ Type II Front Row **PLED-II-FR** ☐ Type III Med. **PLED-III-M** ☐ Type III Wide **PLED-III-W** ☐ Type IV **PLED-IV** ☐ Type IV Forward Throw **PLED-IV-FT** **NOTE:** Clear Patterned Acrylic Lenses will impact distribution patterns as compared to open frame models. (see related IES files)	# of LEDs ☐ **20LED**	Drive Current ☐ **175mA** ☐ **350mA** ☐ **450mA** ☐ **525mA**	Color Temp - CCT ☐ **NW (4000K)** *STANDARD ☐ **CW (5000K)** ☐ **WW (3000K)** Other LED Colors Available Consult Factory **AMBER**[1] ☐ True Amber **TRA** **NOTES:** 1 - Narrow band Ambers have no definable CCT equivalent	☐ **120** ☐ **208** ☐ **240** ☐ **277** ☐ **347** ☐ **480**	Standard Textured Finish ☐ Black **RAL-9005-T** ☐ White **RAL-9003-T** ☐ Grey **RAL-7004-T** ☐ Dark Bronze **RAL-8019-T** ☐ Green **RAL-6005-T** Premium Finishes ☐ Rust ☐ Patina Copper **PC** For smooth finish replace suffix "T" with suffix "S" (Example: RAL-9500-S) Consult factor for custom colors	☐ Internal House Side Shield[1] inc. LED Count (Example: HS-PLED/48) **HS-PLED**[1] ☐ High-Low Dimming for Switch by Others/Select Levels 50/100 or 25/100 (Example: HLSW/25) **HLSW** ☐ Photo Cell + Voltage (Example: PC120V) **PC+V** ☐ Single Fuse (120V, 277V) **SF** ☐ Double Fuse (208V, 240V) **DF** **NOTE:** 1- Houseside Shields are mounted on the PLED Panel internal to the CPA lenses Contact factory for Step Dim Motion Sensor (programmed 25-50/100)

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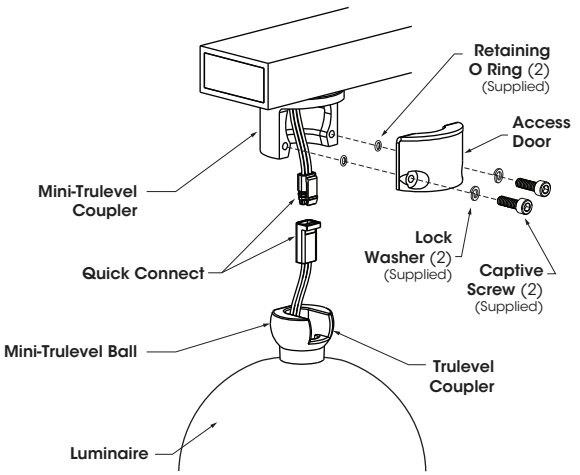
SUN VALLEY LIGHTING

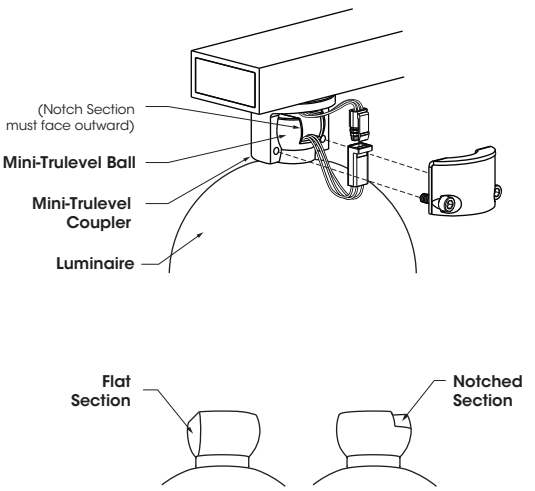
LCN-WM-CPA SERIES - LED

INSTALLATION DETAIL

Mini-Trulevel System® Assembly for Installation of Pendant Mount Luminaires



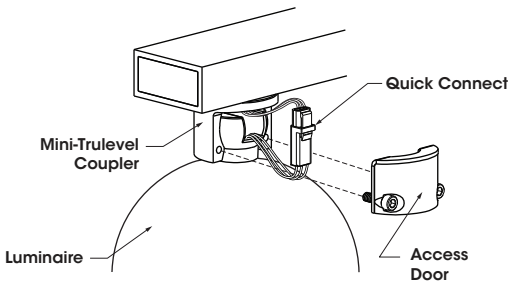
1. Loosen (2) Captive Screws and remove Access Door from Mini-Trulevel Coupler, pull out Quick Connect from Mini-Trulevel Coupler and Mini-Trulevel Ball.



2. Place Mini-Trulevel Ball inside of Mini-Trulevel Coupler as illustrated.

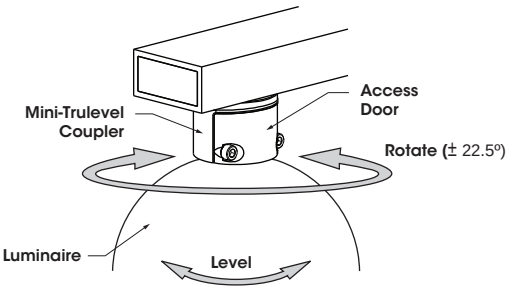
   A - Notched Section of Mini-Trulevel Ball must face outward as illustrated.

   B - Flat Section of Mini-Trulevel Ball must face inward.



3. Connect Quick Connect components, push components inside of Mini-Trulevel Coupler cavity, replace Access Door and loosely secure, do not tighten.

   Fixture will suspend without Access Door during installation.



4. Rotate (left to right ± 22.5°) and level Luminaire to desired position. Tighten Access Door.

   (Tighten each bolt to recommended torque: **10 ft-lb, foot-pound**)

   Mini-Trulevel Pendant Mount is intended to allow for fixture leveling, but is not intended to be "free-swinging" upon proper installation.

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MADE IN THE USA

SUN VALLEY LIGHTING

LCN-WM-CPA SERIES - LED

ELECTRICAL GUIDE

LED COUNT	SOURCE TYPE	SOURCE	INITIAL LUMENS - 4000K	INITIAL LUMENS - 3000K	INITIAL LUMENS - 5000K	L70 GREATER THAN (HR)-TM21	STARTING TEMP.	SYSTEM WATTS	VOLTS	MAX INPUT AMPS
20	LED	20 **P**LED® Optical Module - 175mA	1,078 – 1,198	1,024 – 1,138	1,132– 1,258	85,000+	-20°F	11	120 277	0.09 0.04
20	LED	20 **P**LED® Optical Module - 350mA	1,960 – 2,178	1,862 – 2,069	2,058 – 2,287	85,000+	-20°F	22	120 277	0.18 0.09
20	LED	20 **P**LED® Optical Module - 450mA	2,427 – 2,697	2,305 – 2,562	2,548 – 2,831	85,000+	-20°F	29	120 277	0.23 0.10
20	LED	20 **P**LED® Optical Module - 525mA	2,828 – 3,143	2,687 – 2,986	2,969 – 3,300	85,000+	-20°F	33	120 277	0.27 0.12

MULTIPLIERS FOR LATTICE DEPRECIATION

LCN12-CPA x0.84 | LCNC12-CPA Base model (no lattice) | LCNN12-CPA x0.64 | LCNP12-CPA x0.52 | LCNS12-CPA x0.61

NOTES:

1. Max Input Amps is the highest of starting, operating, or open circuit currents
2. Lumen values for LED Modules vary according to the distribution type
3. System Watts includes the source watts and all driver components.
4. Fuse value should be sufficient to protect all wiring components. For electronic driver and LED component protection, use 10KV – 20KV surge suppressors.
5. L70(14K) – TM-21 6x rule applied

WARNING: All fixtures must be installed in accordance with local codes or the National Electrical Code. Failure to do so may result in serious personal injury.

SUN VALLEY LIGHTING

PROJECT NAME:

FIXTURE TYPE:

SOLID STATE LIGHTING

LCN-WA WALL MOUNT-PLED

Fixture Housing
Shade, Cage, and Hub are welded to create a one piece unitized Housing consisting of cast low copper (A356 alloy; < 0.2%Cu) aluminum. Cage retains four white acrylic lenses. One side of Cage is a door fastened to the Housing with a stainless steel hinge at the bottom and secured with a single stainless steel hex head cap screw at the top of the door. PLED Optical module secures to frame on the underside of the Shade and sealed with an extruded closed cell silicone gasket. Driver/wiring accessed through the Electrical Access at the bottom of the fixture. All exposed hardware is stainless steel.

Decorative Arm
One piece unitized decorative arm consisting of cast low copper (A356 alloy;<0.2% Cu) aluminum. Arm is welded to the Wall Mount plate and the entire Arm/Wall Mount assembly is either welded to the the LCN12 Hood (XCNA-P; XCNB-P) or mechanically fastened to the Hub (XCNA-T; XCNB-T). All welds are blended to create a homogeneous appearance. Wall Mount plate affixed to mounting surface covering a recessed j-box.

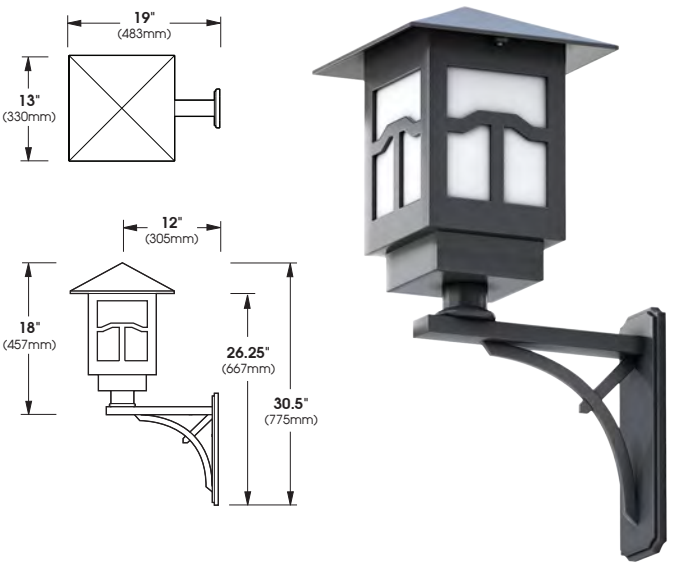
PLED™ Optics
Emitters (LED's) are arrayed on a metal core PCB panel with each emitter located on a copper thermal transfer pad and enclosed by an LED refractor. In asymmetric distributions, a micro-reflector inside the refractor re-directs the house side emitter output towards the street side and functions as a house side shielding element. Refractors are injection molded H12 acrylic. Each LED refractor is sealed to the PCB over an emitter and all refractors are retained by an aluminum frame. Housing frame retains white acrylic diffusing panels.

LED Driver(s)
Constant current electronic with a power factor of >.90 and a minimum operating temperature of -40°F. Driver(s) is/are UL and cUL recognized. In-line terminal blocks facilitate wiring between the driver and optical arrays. Drivers accept an input of 120-277V, 50/60Hz or 347V-480V, 50,60Hz. (0 - 10V dimmable driver is standard. Driver has a minimum of 3KV internal surge protection. Luminaire supplied with 20KV surge protector for field accessible installation.)

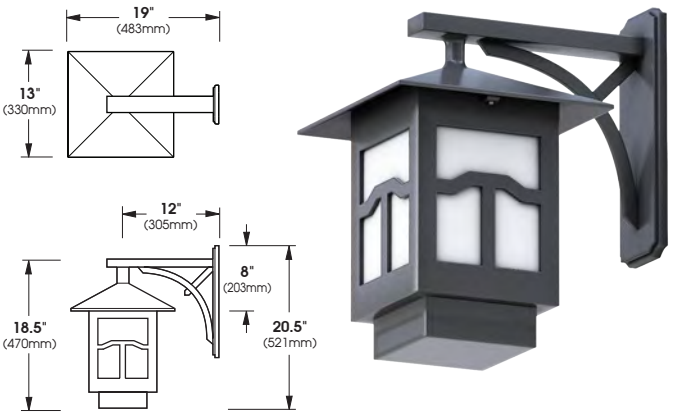
LED Emitters
High output LED's are utilized with drive currents ranging from 175mA to 525mA. 70CRI Minimum. LED's are available in standard Neutral White (4000K), or optional Cool White (5000K) or Warm White (3000K). Consult Factory for other LED options.

Amber LED's
PCA (Phosphor Converted Amber) LED's utilize phosphors to create color output similar to LPS lamps and have a slight output in the blue spectral bandwidth. TRA (True Amber) LED's utilize material that emits light in the amber spectral bandwidth only without the use of phosphors.

Finish
Electrostatically applied TGIC Polyester Powder Coat on substrate prepared with 20 PSI power wash at 140°F. Four step media blast and iron phosphate pretreatment for protection and paint adhesion. 400°F bake for maximum hardness and durability.



LCN12-WA/XCNA-UT (Post Top Mount)



LCN12-WA/XCNA-UP (Pendant Mount)

BABA compliant

U.L. Listed for Wet Location

2023188

U.S. Pole Company Inc
An Employee Owned Company
660 West Avenue O, Palmdale, CA 93551
Phone (661) 233-2000 www.usaltg.com

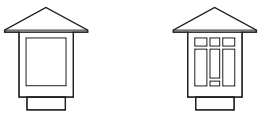
MADE IN THE USA

SUN VALLEY LIGHTING

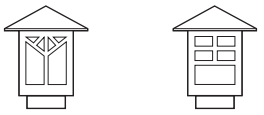
LCN-WM-WA SERIES - LED

SPECIFICATIONS

Optional Styles



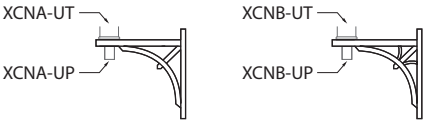
LCNC LCNN



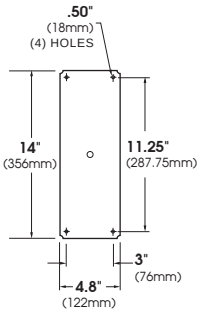
LCNP LCNS

Optional Arms

XCNA XCNB

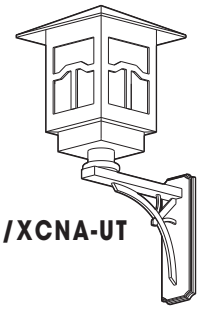


Wall Plate

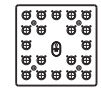


Mounting hardware by others.

PLED® Modules

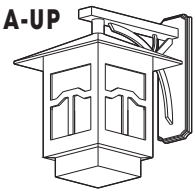


LCN12-WA/XCNA-UT
E.P.A.= 1.05
Available in:
20 LED Max.



20 LED MODULE

LCN12-WA/XCNA-UP
E.P.A.= 1.07
Available in:
20 LED Max.



ORDERING INFORMATION

Spec/Order Example: LCNS12-WA/XCNA-UP/PLED-III-M/20LED-450mA/NW/277V/RAL-9005-T/PC+V

Luminaire	Mounting	Optics	# of LED's	Drive Current	Color	Voltage	Finish	Options
Luminaire	**Mounting**	**Optics**	**LED**			**Voltage**	**Finish**	**Options**
☐ **LCN12-WA/XCNA**	Down Arm	PLED™ Distribution Type	# of LEDs	Drive Current	Color Temp - CCT	☐ **120**	Standard Textured Finish	☐ Internal House Side Shield[1] inc. LED Count (Example: HS-PLED/48) **HS-PLED[1]**
☐ **LCN12-WA/XCNB**	☐ **-DT**	☐ Type Symmetric **PLED-ASY-N** . . .	☐ **20LED**	☐ **175mA**	☐ **NW (4000K)** *STANDARD	☐ **208**	☐ Black **RAL-9005-T**	☐ High-Low Dimming for Switch by Others/Select Levels 50/100 or 25/100 (Example: HLSW/25) **HLSW**
☐ **LCNC12-WA/XCNA**	☐ **-DP**	☐ Type Symmetric **PLED-ASY-W** . .		☐ **350mA**	☐ **CW (5000K)**	☐ **240**	☐ White **RAL-9003-T**	☐ Photo Cell + Voltage (Example: PC120V) **PC+V**
☐ **LCNC12-WA/XCNB**	Up Arm			☐ **450mA**	☐ **WW (3000K)**	☐ **277**	☐ Grey **RAL-7004-T**	☐ Single Fuse (120V, 277V) **SF**
☐ **LCNN12-WA/XCNA**	☐ **-UT**			☐ **525mA**	Other LED Colors Available Consult Factory	☐ **347**	☐ Dark Bronze **RAL-8019-T**	☐ Double Fuse (208V, 240V) **DF**
☐ **LCNN12-WA/XCNB**	☐ **-UP**					☐ **480**	☐ Green **RAL-6005-T**	
☐ **LCNP12-WA/XCNA**					**AMBER[1]**		Premium Finishes	
☐ **LCNP12-WA/XCNB**					☐ True Amber **TRA**		☐ Rust	
☐ **LCNS12-WA/XCNA**							☐ Patina Copper **PC**	
☐ **LCNS12-WA/XCNB**							For smooth finish replace suffix "T" with suffix "S" (Example: RAL-9500-S)	
							Consult factor for custom colors	

NOTES:
1 - Narrow band Ambers have no definable CCT equivalent

NOTE:
1- Houseside Shields are mounted on the PLED Panel internal to the wA lenses

Contact factory for Step Dim Motion Sensor (programmed 25-50/100)

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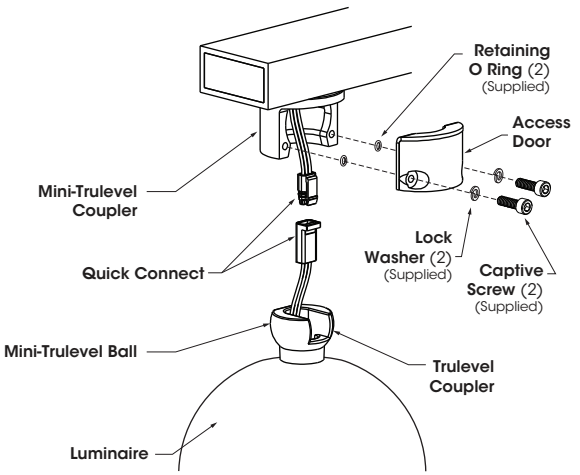
MADE IN THE USA

SUN VALLEY LIGHTING

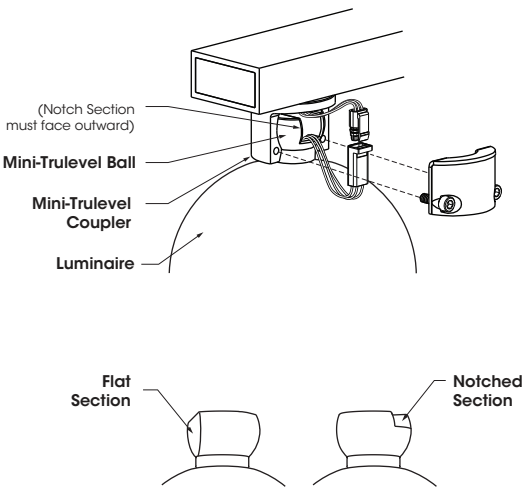
LCN-WM-WA SERIES - LED

INSTALLATION DETAIL

Mini-Trulevel System® Assembly for Installation of Pendant Mount Luminaires



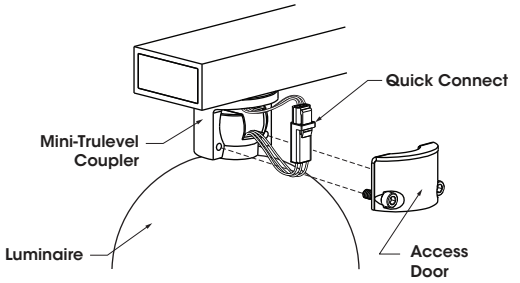
1. Loosen (2) Captive Screws and remove Access Door from Mini-Trulevel Coupler, pull out Quick Connect from Mini-Trulevel Coupler and Mini-Trulevel Ball.



2. Place Mini-Trulevel Ball inside of Mini-Trulevel Coupler as illustrated.

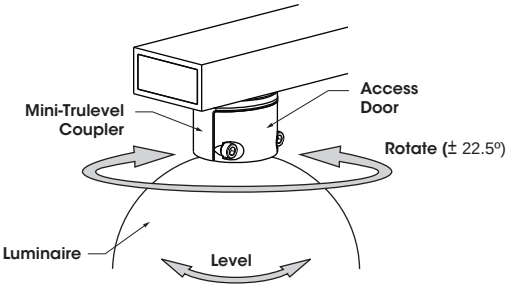
   A - Notched Section of Mini-Trulevel Ball must face outward as illustrated.

   B - Flat Section of Mini-Trulevel Ball must face inward.



3. Connect Quick Connect components, push components inside of Mini-Trulevel Coupler cavity, replace Access Door and loosely secure, do not tighten.

   Fixture will suspend without Access Door during installation.



4. Rotate (left to right ± 22.5°) and level Luminaire to desired position. Tighten Access Door.

   (Tighten each bolt to recommended torque: **10 ft-lb, foot-pound**)

   Mini-Trulevel Pendant Mount is intended to allow for fixture leveling, but is not intended to be "free-swinging" upon proper installation.

SUN VALLEY LIGHTING

LCN-WM-WA SERIES - LED

ELECTRICAL GUIDE

LED COUNT	SOURCE TYPE	SOURCE	INITIAL LUMENS - 4000K	INITIAL LUMENS - 3000K	INITIAL LUMENS - 5000K	L70 GREATER THAN (HR)-TM21	STARTING TEMP.	SYSTEM WATTS	VOLTS	MAX INPUT AMPS
20	LED	20 PLED® Optical Module - 175mA	911– 1,003	865 – 953	956 – 1,053	85,000+	-20°F	11	120 277	0.09 0.04
20	LED	20 PLED® Optical Module - 350mA	1,656 – 1,823	1,573 – 1,732	1,739 – 1,914	85,000+	-20°F	22	120 277	0.18 0.09
20	LED	20 PLED® Optical Module - 450mA	2,050 – 2,257	1,948 – 2,144	2,153 – 2,370	85,000+	-20°F	29	120 277	0.23 0.10
20	LED	20 PLED® Optical Module - 525mA	2,389 – 3,630	2,270 – 2,499	2,509 – 2,762	85,000+	-20°F	33	120 277	0.27 0.12

MULTIPLIERS FOR LATTICE DEPRECIATION

LCN12-WA x0.82 | LCNC12-WA Base model (no lattice) | LCNN12-WA x0.62 | LCNP12-WA x0.50 | LCNS12-WA x0.59

NOTES:

1. Max Input Amps is the highest of starting, operating, or open circuit currents
2. Lumen values for LED Modules vary according to the distribution type
3. System Watts includes the source watts and all driver components.
4. Fuse value should be sufficient to protect all wiring components. For electronic driver and LED component protection, use 10KV – 20KV surge suppressors.
5. L70(14K) – TM-21 6x rule applied

WARNING: All fixtures must be installed in accordance with local codes or the National Electrical Code. Failure to do so may result in serious personal injury.