

# Andrena Square

## LINEAR PATTERNS

TYPE  
PROJECT

### Overview

- Aesthetically pleasing square structure with round designed frosted acrylic lens.
- One piece extruded aluminum housing with integral driver.
- Direct lighting only
- Lens has added thickness for a very clean neon/fluorescent tube crisp appearance.
- Can be specified as surface ceiling.
- Joiners add an architectural industrial look to the Andrena. Shape and size depend upon using 2-8 foot sections with joiners.
- Standard Color white, black, silver. Custom wood finishes, anodizing, RAL/Pantone#
- Shop drawings supplied based on RCP



## Ordering Format

PART NUMBER: ANDS-PD

Size	Lumens Direct	CCT Available	CRI Available	Direct Optics
<b>3T</b> = 3x3 Feet	<b>D3</b> = 350 LPF	<b>27</b> = 2700 Kelvins	<b>80</b> = 80-85 CRI	<b>OW</b> = Opal White
<b>4T</b> = 4x4 Feet	<b>D5</b> = 500 LPF	<b>30</b> = 3000 Kelvins	<b>90</b> = 90-95 CRI	
<b>5T</b> = 5x5 Feet	<b>D7</b> = 750 LPF	<b>35</b> = 3500 Kelvins		
<b>6T</b> = 6x6 Feet	<b>D10</b> = 1000 LPF	<b>40</b> = 4000 Kelvins		
<b>8T</b> = 8x8 Feet		<b>TW</b> = Tunable White 2700-5000 Kelvins		
<b>CL</b> = Custom Length, add in notes				
Mounting	Driver / Voltage	Fixture Finish	Canopy/Power Cord Color	Options
<b>AC1R</b> = Round 5in Canopy JBox - 5in Support	<b>ND 1</b> = Non-Dim Universal 120VAC	<b>W</b> = Standard White	<b>CWPW</b> = Canopy White/Power Cord White	<b>OS</b> = Occupancy Sensor
<b>AC1S</b> = Square 5in Canopy JBox - 5in Support	<b>ND 2</b> = Non-Dim Universal 277VAC	<b>BK</b> = Standard Black	<b>CWPB</b> = Canopy White/Power Cord Black	<b>EMD</b> = Emergency Driver - Battery Backup 120-277VAC
<b>ACD1R</b> = Round 5in Canopy JBox - 2in Support Slot Grid	<b>ZT 1</b> = 0-10v dimming 120v dual 1%	<b>SVR</b> = Standard Silver	<b>CBPB</b> = Canopy Black/Power Cord Black	<b>2C</b> = 2 circuit wiring Direct /Indirect
<b>ACD1S</b> = Square 5in Canopy JBox - 2in Support Slot Grid	<b>ZT 2</b> = 0-10v dimming 277v dual 1%	<b>RAL</b> = Enter RAL # in notes section	<b>CBPW</b> = Canopy Black/Power Cord White	<b>IW</b> = Inverter Wiring
<b>ACD2R</b> = Round 5in Canopy JBox - 2in Support T Grid	<b>CC</b> = Custom Control - add in notes	<b>PA</b> = Plated Aluminum-enter plated finish in notes		<b>CA</b> = Custom Angle, add in notes
<b>ACD2S</b> = Square 5in Canopy JBox - 2in Support T Grid	<b>LE1</b> = Lutron EcoSystem 1% DLC EE CCR / PWM SoftOnFadeToBlack	<b>CW</b> = Custom Wood Finish - see wood PN # enter in notes.		
<b>ACUR</b> = Round 5in Canopy JBox - .5in Support Unistrut		<b>AA</b> = Anodized Aluminum -enter PN in notes section		
<b>ACUS</b> = Square 5in Canopy JBox - .5in Support Unistrut				
<b>ACRR</b> = Round 5in Canopy JBox - 2in Support 1/4 Rod				
<b>ACRS</b> = Square 5in Canopy JBox - 2in Support 1/4 Rod				

### NOTES

ORDER NUMBER:

## Construction & Mounting

### HOUSING

Square structure is made of extruded aluminum housings and are supplied in nominal lengths of 2-8 feet. Easy access to driver and LED boards. End caps are extruded, milled aluminum. Wiring is supplied with quick feed through connectors for a contractor-friendly installation. Custom sizes are available.

### REFLECTOR

Integral powder-coated LED housing with excessive reflectivity for increased lumen output

### FINISH

Standard powder-coated colors are white, black and silver. Custom processed wood finishes, aluminum anodized finishes, chrome/gold plating and custom finishes are available as well. We also accept RAL and Pantone numbers for powder-coating color choices.

### OPTICS

Extra thick extruded acrylic lens is formulated for LED light sources. Slide-in/out guide for removal.

### MOUNTING

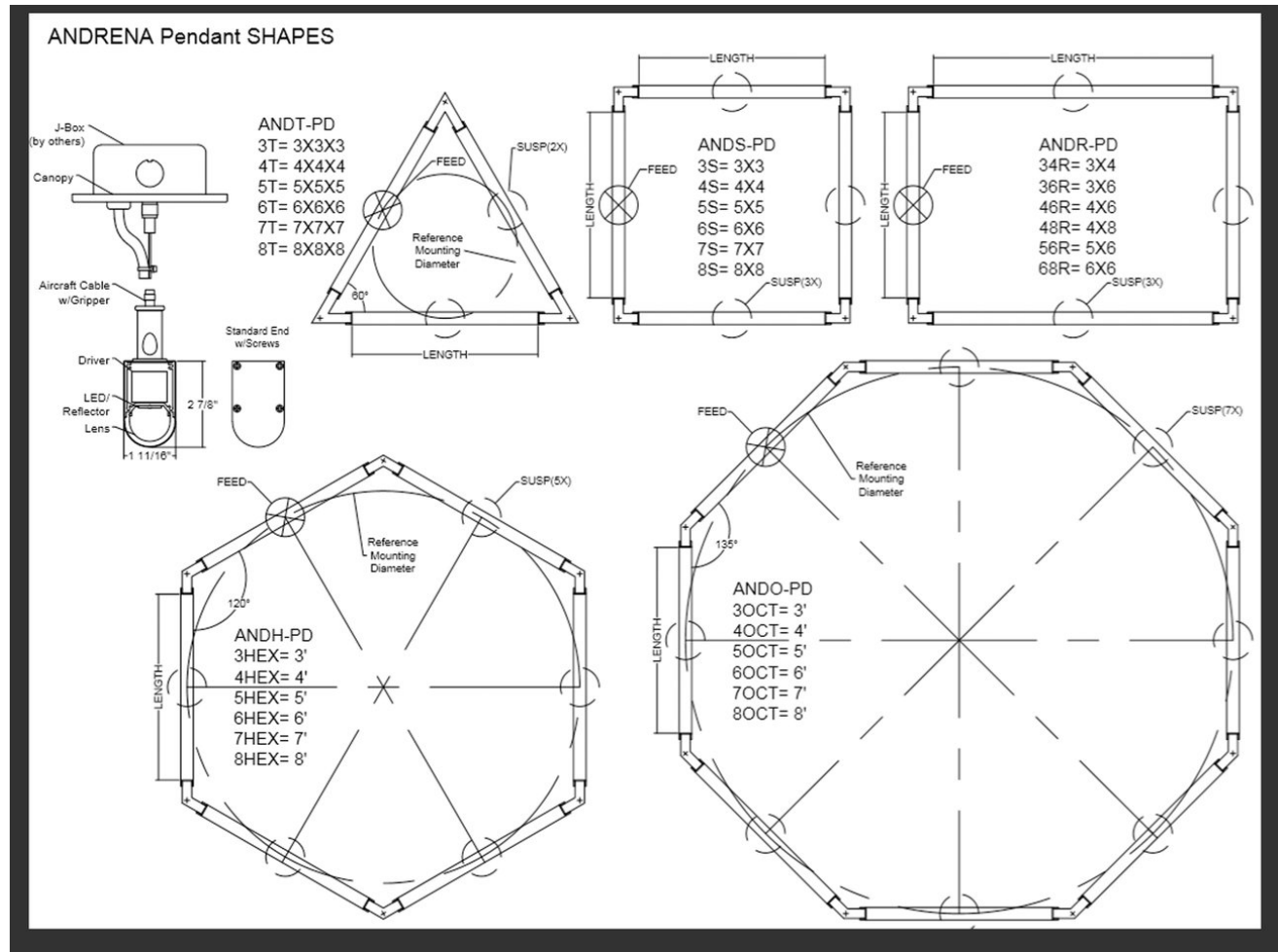
Cable mounting with various size canopies and power feeds. If not selected in options, canopy color and cord will be white. Cable uses gripper style locking for field adjustments. Canopy mounts to standard J-box. Can also be stem mounted. See options for more information.



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### Standard Finishes

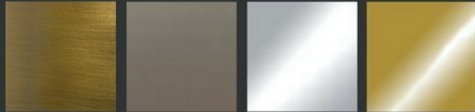



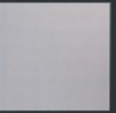
White  
W

Black  
BK

Silver  
SVR

### Anodized Aluminum

xxxx-B for Aluminum to be Brushed


Anodized Black  
AABK

Anodized DK. Bronze  
AADB

Anodized LT. Bronze  
AALB

Anodized Champagne  
AALC

Anodized Clear  
AACL



**Custom RAL** - Custom finishes go to: [tiger-coatings.com](http://tiger-coatings.com) **Add # in Notes**





Standard Finishes – colors are powder coated and do not add to delivery lead time.

Anodized Aluminum – can be smooth or brushed, color can vary fixture to fixture and adds 2-3 weeks to lead time. Anodized finish is limited in fixture size.

Plated Aluminum – is a mirror finish in chrome and gold and adds 2 weeks to lead time.

Wood Finishes – so realistic, wood finish can add up to 3-4 weeks to lead time.

### Plated Aluminum



Antique Brass  
APAB

Aged Bronze  
APBZ

Polished Chrome  
APPC





Polished Gold  
APPG

### Wood Finishes

Light Bamboo  
LW01

Light Pine  
LW02


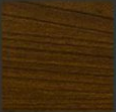







Teak  
LW03

Dark Bamboo  
LW04

Dark Cherry  
LW05

Brushed Chestnut  
LW06










Chestnut  
DW01

Dark Chestnut  
DW02

Cherry  
DW03

Dark Mahogany  
DW04

Mahogany  
DW05

Walnut Pine  
DW06

Dark Walnut Oak  
DW07

Consult Factory

### Electrical / Driver

- Drivers - Our drivers are specifically selected based on fixture application to ensure ultimate reliability and long life. We use only UL recognized brands of LED drivers. Our LED drivers feature HPF (high power factor), universal voltage 110 - 277 VAC and include 0-10V dimming. Please note, 277v has longer distances from power feed to power feed than 120v.
- If required, we can supply premium drivers such as Lutron, Eldoed and others upon request. Advanced control systems compliant drivers such as POE, DALI, DMX, etc. are also available, please consult factory.
- Rated life (90% survivorship) of 50,000 hours at 50° C max. ambient (and 70° C max. case) temperature. At maximum driver load: Efficiency >84%, PF>0.9, THD
- Our LED drivers feature HPF (high power factor), universal voltage 110 - 277 VAC and include 0-10V dimming.
- Emergency drivers are factory installed as an option, long life, high temperature, recyclable Ni-Cad battery pack with test switch and charge indicator. EMR is minimum of 90 minutes operation to meet code.
- POE - We are working with Molex/Igor POE systems. We can add a POE driver into our fixtures or remote them. Based on the fixture you select, we will notify you (or you can contact the factory) to see if we can install the P-driver or the P-driver needs to be remote. Just add POE1 in the spec and we will advise. Please keep in mind you need to specify a complete POE control system before specifying POE1.

### LED Performance

LED Output	CCT Color Temp	Watts	Lumens	Lumens per Watt	CCT Multiplier
Low	3000	3.03 WPF	350 LPF	115	2700 = .95
Medium	3000	4.38 WPF	500 LPF	114	3000 = 1
High	3000	6.7 WPF	750 LPF	112	3500 = 1.01
Very High	3000	9.18 WPF	1000 LPF	109	4000 = 1.03

- The table above is a quick reference. When calculating loads make sure you add direct and indirect LPW to get total wattage. Please refer to photometric report for detailed information.
- Our light engines are precisely designed for optimal operation of LED assemblies.
- Our standard LED's CCT (correlated color temperature) range is 2700K to 4000K. Other CCT values are available upon request.
- We log LED bin codes for each project we supply to ensure color consistency and keep a record of those projects for future reference.
- CRI offered is 80+, and 90+ Note: on 90+ CRI use .85 multiplier
- Tunable white, warm dim and other special LED colors available.
- We design our own printed circuit boards to ensure high luminescence efficiency, low thermal resistance and long-term reliable operation.
- Light engines are easily replaced.
- We use only recognized brand LED's with 3 SDCM (standard deviation color matching) with high color consistency. 2 SDCM available upon request.
- LRP - "LED Reel Program" – LED's for printed circuit boards come on reels' like old 8mm projectors and they're sold in lots just like fabric. At Picasso Lighting, we have a program where we make sure all of your reels come from the same lot for each project. This ensures excellent color consistency in large open spaces.
- LED life is rated at 50,000 hours
- Custom Lumens Available

### Certifications & Warranties

- Limited five-year (50,000 hours) warranty on all products. Limited ten-year (100,000 hours) warranty on all Lutron drivers.
- DLC listed products will have DLC Logo.
- Chicago Plenum and IC products are available upon request.
- Warranty does not cover damage caused by transport, damage caused by using the fixture in an area it is not UL rated for, damage caused by negligence, lack of maintenance, attempts to repair by unqualified or unauthorized personnel, by using non-original accessories/parts, fixtures installed in systems without power surge protection.
- UL and CUL listed for dry and damp locations.
- IBEW USA Union All fixtures are IBEW manufactured and assembled in the USA.
- We manufacture based on approved spec sheets and submittals signed by professionals responsible. Change orders must be in writing and will delay delivery.
- Picasso Lighting must receive in writing any thought to be defective products discovered, no later than 4 weeks from delivery to; [ttoledo@picassoltg.com](mailto:ttoledo@picassoltg.com). Picasso Lighting will send a field technician to the site to evaluate the said defective product. We do accept field repair from licensed electrical contractors but not without a written agreement signed by Picasso Lighting official. Failure to adhere to all warranty and certifications will void any recompense and the warranty.



Note: Picasso lighting industries, LLC reserves the right to make any design changes which will not affect the overall appearance or performance of

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the product. All ceilings to be adequately reinforced by others. All fixtures to be wired by licensed electrician only. The information contained herein is the sole property of Picasso Lighting Industries, LLC and may not be used without prior written consent of Picasso Lighting Industries, LLC. The 'USGBC member logo' is a trademark owned by the U.S. Green building council and is used by permission. The logo signifies only that Picasso Lighting Industries, LLC is a USGBC member; USGBC does not review, certify, or endorse the products or services offered by its members.