Apex Regress Lens
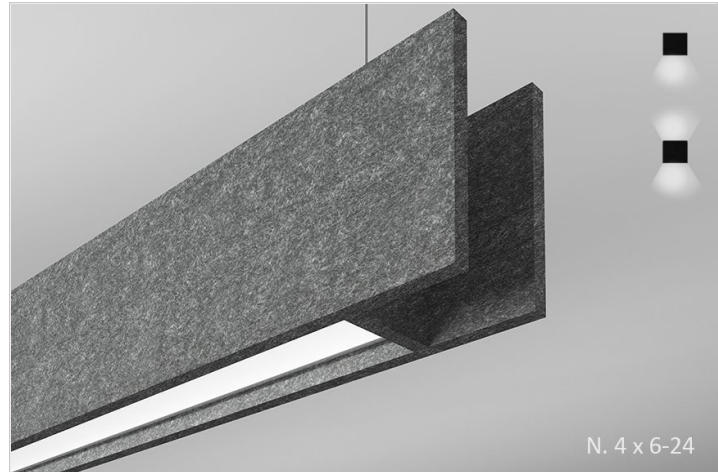**PENDANT ACOUSTIC**

Overview

- /e'koostik/; the properties or qualities of a room or building that determine how sound is transmitted in it
- Apex Series was designed to recreate an industrial looking truss.
- DESIGNER SELECTIONS
- Acoustic Series come in 3 types. Apex Regress Lens, Echo Regress Lens and WAT - NON-LIT.
- Acoustic Series has multiple choices for canopies and colors, just scroll down for your choices.
- Acoustic Series is available in almost any CCT available in the market, we've selected the most popular , but don't let that stop you from asking for something different.
- Acoustic Series is available in direct only and direct/indirect for both liners lens. We can also tune in our drivers to specific lumen output if required.
- Acoustic Series is always available for your projects special customization needs, just contact your local agent.
- Acoustic Series qualifies as "Made in America" and is part of our ECO sustainable end of life program.
- For all: ies files, pictures, instructions, rfa files, and warranties…scroll to bottom.
- Please be advised that our Apex Series is available in Surface, Wall and Pendant
- Noise Reduction: An NRC rating of 0.45-0.9, almost 20 times that of a standard drywall.
- Fire Safety: Class A fire rating per ASTM E84, so there's no limit to where it can be used architecturally.

N. 4 x 6-24

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Ordering Format

PART NUMBER: APX-PR

Size	Lumens Direct	Lumens Indirect	CCT Available	CRI Available
4x6H = 4 Feet x 6 Inches	**D3** = 350 LPF	**I3** = 350 LPF	**27** = 2700 Kelvins	**80** = 80-85 CRI
4x8H = 4 Feet x 8 Inches	**D5** = 500 LPF	**I5** = 500 LPF	**30** = 3000 Kelvins	**90** = 90-95 CRI
4x12H = 4 Feet x 12 Inches	**D7** = 750 LPF	**I7** = 750 LPF	**35** = 3500 Kelvins	
4x16H = 4 Feet x 16 Inches	**D10** = 1000 LPF	**I10** = 1000 LPF	**40** = 4000 Kelvins	
4x24H = 4 Feet x 24 Inches		**NN** = Not Needed	**TW** = Tunable White 2700-5000 Kelvins	
8x6H = 8 Feet x 6 Inches				
8x8H = 8 Feet x 8 Inches				
8x12H = 8 Feet x 12 Inches				
8x16H = 8 Feet x 16 Inches				
8x24H = 8 Feet x 24 Inches				
CL = Custom Length - Add in Notes				

Direct Optics	Mounting	Driver / Voltage	Fixture Finish	Canopy/Power Cord Color
OW = Opal White	**AC1R** = Round 5in Canopy JBox - 5in Support	**ND1** = Non-Dim Universal 120VAC	**AM1** = Frost	**CWPW** = Canopy White/Power Cord White
MC = Matte Clear	**AC1S** = Square 5in Canopy JBox - 5in Support	**ND2** = Non-Dim Universal 277VAC	**AM2** = Chambray	**CBPW** = Canopy Black/Power Cord White
OW/MC = Direct=Opal White Indirect = Matte Clear	**ACD1R** = Round 5in Canopy JBox - 2in Support Slot Grid	**ZT1** = 0-10v dimming 120v dual 1%	**AM3** = Smoke	**CBPB** = Canopy Black/Power Cord Black
OW/BW = Direct=Opal White Indirect Batwing (uplight only)	**ACD1S** = Square 5in Canopy JBox - 2in Support Slot Grid	**ZT2** = 0-10v dimming 277v dual 1%	**AM4** = Pewter	**CBPW** = Canopy Black/Power Cord White
	ACD2R = Round 5in Canopy JBox - 2in Support T Grid	**CC** = Custom Control - Add in notes	**AM5** = Slate	
	ACD2S = Square 5in Canopy JBox - 2in Support T Grid	**LE1** = Lutron EcoSystem 1% DLC EE CCR / PWM SoftOnFadeToBlack	**AM6** = Tar	
	ACUR = Round 5in Canopy JBox - .5in Support Unistrut		**AM7** = Ecru	
	ACUS = Square 5in Canopy JBox - .5in Support Unistrut		**AM8** = Bark	
	ACRR = Round 5in Canopy JBox - 2in Support 1/4 Rod		**AM9** = Linen	
	ACRS = Square 5in Canopy JBox - 2in Support 1/4 Rod		**AM10** = Sunshine	
			AM11 = Mandarin	
			AM12 = Grass	
			AM13 = Ochre	
			AM14 = Sky	
			AM15 = Cobalt	
			AM16 = Ivory	
			AM17 = Cadet	
			AM18 = Eucalyptus	
			AM19 = Fossil	
			AM20 = Greige	
			AM21 = Ironbark	
			AM22 = Malachite	
			AM23 = Merbau	

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			AM24 = Spotted Gum	

Options

AWN = Lutron Athena Wireless Node (RF only)

AWNS = Lutron Athena Wireless Node (with Sensor)

2C = 2 circuit wiring Direct /Indirect

IW = Inverter Wiring

CA = Custom Angle = add in notes

EMD = Emergency Driver - Battery Backup 120-277VAC

OS = Occupancy Sensor

MR = Add MR-16 style Downlight

NOTES

ORDER NUMBER:

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Construction & Mounting

HOUSING
Sides are 1/2" x 6" thick acoustic sound reduction linear panels and are supplied in nominal lengths of 4 ft., 6 ft., 8 ft.. Side panels are secured with decorative thumb screws. Side panels do not need to be removed during installation or for maintenance. Fixtures may be continuously rowed (contact factory for details). Internal components are constructed from min. 20 gauge die-formed steel. Easy access to driver and LED boards. Custom sizes are available.

REFLECTOR
Integral powder-coated LED housings with excessive reflectivity for increased lumen output is built into our luminaires

FINISH
Please use color chart below to select your acoustic sound reducing panels.

OPTICS
Direct component provided with a soft white acrylic lens formulated for LED light sources. Lens lifts out for maintenance. Indirect LED strips are mounted in an extruded aluminum channel with an integral clear acrylic dust cover.
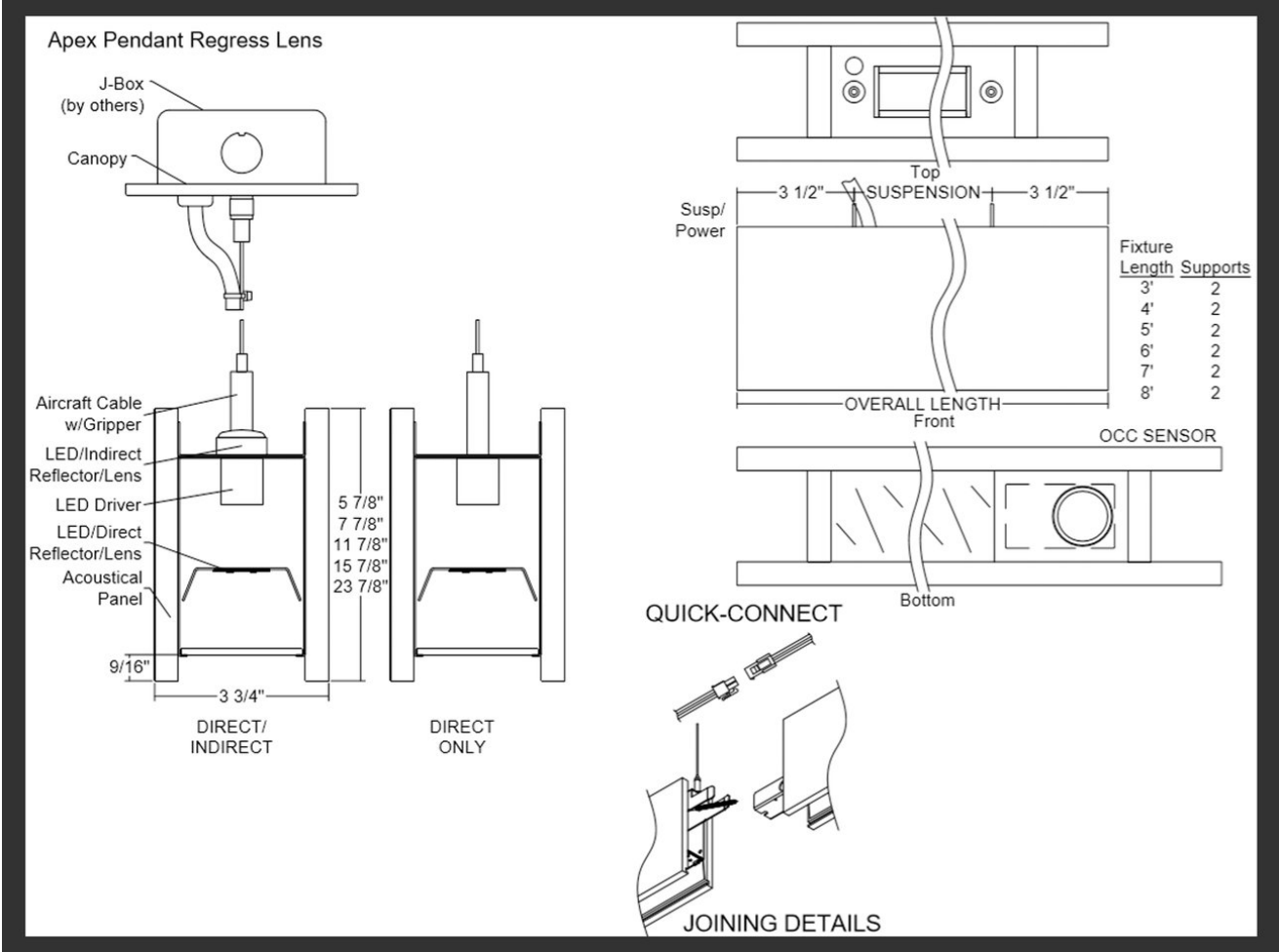
MOUNTING
Cable mounting with various size canopies and power feeds. If not selected in options, canopy color and cord will be white. Cable uses gripper style locking for field adjustments. Canopy mounts to standard J-box. Can also be stem mounted. See options for more information.

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Apex Pendant Regress Lens

J-Box
(by others)

Canopy

Aircraft Cable
w/Gripper

LED/Indirect
Reflector/Lens

LED Driver

LED/Direct
Reflector/Lens

Acoustical
Panel

5 7/8"
7 7/8"
11 7/8"
15 7/8"
23 7/8"

9/16"

3 3/4"

DIRECT/
INDIRECT

DIRECT
ONLY

Top
SUSPENSION

3 1/2"   3 1/2"

Susp/
Power

Fixture Length	Supports
3'	2
4'	2
5'	2
6'	2
7'	2
8'	2

OVERALL LENGTH
Front

OCC SENSOR

Bottom

QUICK-CONNECT

JOINING DETAILS

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BARK	CADET	CHAMBRAY	COBALT	ECRU	EUCALYPTUS
FOSSIL	FROST	GRASS	GREIGE	IRONBARK	IVORY
LINEN	MALACHITE	MANDARIN	MERBAU	OCHRE	PEWTER
SKY	SLATE	SMOKE	SPOTTED GUM	SUNSHINE	TAR
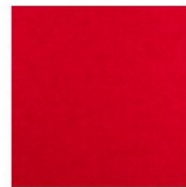
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Electrical / Driver

- 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 then 120v.

- If required, we can supply premium drivers such as Lutron, Eldoled 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 50º C max. ambient (and 70º C max. case) temperature. At maximum driver load: Efficiency >84%, PF>0.9, THD

- 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.

- 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.

- Whip - Six feet long, wiring RHOS/Reach Compliant, 18 gauge, 600v rated, Specify wired to the fixture as an OPTION.

LED Perfomance

LED Output	CCT Color Temp	Watts	Lumens	Lumens per Watt	CCT Multiplier
Low	3000	4.28 WPF Direct (3.4WPF Indirect)	350 LPF	82	2700=.95
Medium	3000	6.25 WPF Direct (4.8 WPF Indirect)	500 LPF	81	3000=1
High	3000	9.38 WPF Direct (7.3 WPF Indirect)	750 LPF	80	3500=1.01
Very High	3000	12.63 WPF Direct (9.7 WPF Indirect)	1000 LPF	80	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.

- Custom Lumens 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.

- If you require a special LED manufacturer, please contact us. LED chip manufacturers used by Picasso are primarily (but not limited to) Nichia, Cree and Samsung.

- 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

Certifications & Warranties

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- Limited five-year (50,000 hours) warranty on all products. Limited ten-year (100,000 hours) warranty on all Lutron drivers.
- I.C. rated fixtures are available upon request.
- 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. 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 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.