Truss Downlight

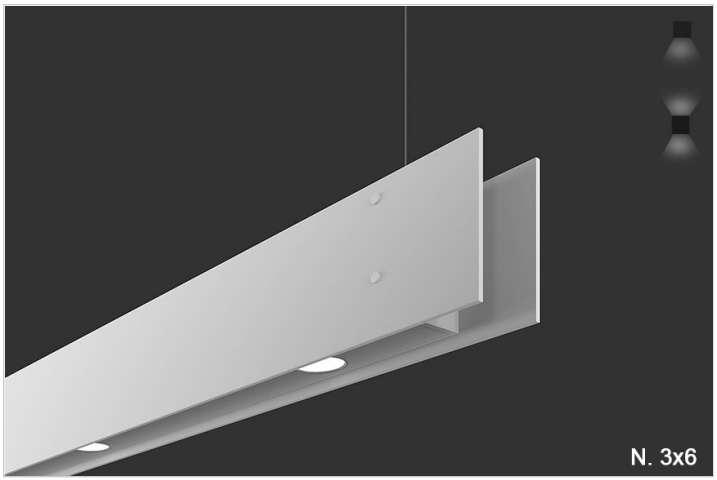
PENDANT LARGE

TYPE

PROJECT

Overview

- in·dus·tri·al /in'destreal/ adjective; relating to or characterized by industry.
- Truss/tres/ noun; a framework, typically consisting of rafters, posts, and struts, supporting a roof, bridge, or other structure.
- Truss Series was designed to recreate an industrial looking truss.
- DESIGNER SELECTIONS
- Truss Series has 2 profile sizes , Standard is three and one quarter width and six inches in height. Mini truss is three and one quarter inches in width and four and three quarters inches in height.
- Truss Series has 2 options for LED sources: They are, linear, slightly regressed lens , and downlight version.
- Truss Series has multiple choices for canopies and colors, just scroll down for your choices.
- Truss 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.
- Truss Series is available in direct only and direct/indirect for both liners lens and downlight in standard and mini. We can also tune in our drivers to specific lumen output if required.
- Truss Series is always available for your projects special customization needs, just contact your local agent.
- Truss 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 Truss Series is available in Surface, Pendant and Wall.



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Ordering Format

PART NUMBER: TRUD-PQ

Size	Lumens Direct	Lumens Indirect	CCT Available	CRI Available
4 = 4 Feet / 3 downlights **6** = 6 Feet / 4 downlights **8** = 8 Feet/ 6 downlights **12** = 12 Feet/ 9 downlights **CL** = Custom Length or # of downlights , add in notes	**Q132** = Downlight 1350 Lumens 20 Degree **Q123** = Downlight 1250 Lumens 30Degree	**I3** = 350 LPF **I5** = 500 LPF **I7** = 750 LPF **I10** = 1000 LPF **NN** = Not Needed	**27** = 2700 Kelvins **30** = 3000 Kelvins **35** = 3500 Kelvins **40** = 4000 Kelvins **TW** = Tunable White 2700-5000 Kelvins	**80** = 80-85 CRI **90** = 90-95 CRI

Direct Optics	Mounting	Driver / Voltage	Fixture Finish	Canopy/Power Cord Color
SR = Specular Reflector Downlight **SR/MC** = SR -Specular Reflector / I-Matte Clear Uplight **BW** = Batwing uplight only **SR/BW** = SR- Specular reflector/ I-BATWING	**AC1R** = Round 5in Canopy JBox - 5in Support **AC1S** = Square 5in Canopy JBox - 5in Support **ACD1R** = Round 5in Canopy JBox - 2in Support Slot Grid **ACD1S** = Square 5in Canopy JBox - 2in Support Slot Grid **ACD2R** = Round 5in Canopy JBox - 2in Support T Grid **ACD2S** = Square 5in Canopy JBox - 2in Support T Grid **ACUR** = Round 5in Canopy JBox - .5in Support Unistrut **ACUS** = Square 5in Canopy JBox - .5in Support Unistrut **ACRR** = Round 5in Canopy JBox - 2in Support 1/4 Rod **ACRS** = Square 5in Canopy JBox - 2in Support 1/4 Rod	**ND 1** = Non-Dim Universal 120VAC **ND 2** = Non-Dim Universal 277VAC **ZT 1** = 0-10v dimming 120v dual 1% **ZT 2** = 0-10v dimming 277v dual 1% **CC** = Custom Control - add in notes **LE1** = Lutron EcoSystem 1% DLC EE CCR/PWM SoftOnFadeToBlack **POE1** = POE-Igor Node	**W** = Standard White **BK** = Standard Black **SVR** = Standard Silver **RAL** = Enter RAL # in notes section **DW/LW** = Plated Aluminum-enter plated finish in notes **CW** = Standard Wood Finish - see wood PN # enter in notes. **SW** = Special pattern submitted by designer **AA** = Anodized Aluminum -enter PN in notes section	**CWPW** = Canopy White/Power Cord White **CWPB** = Canopy White/Power Cord Black **CBPB** = Canopy Black/Power Cord Black **CBPW** = Canopy Black/Power Cord White

Options
AWN = Lutron Athena Wireless Node (RF only) **AWNS** = Lutron Athena Wireless Node (with Sensor) **2C** = 2 circuit wiring for downlight selection **OS** = Occupancy Sensor **EMD** = Emergency Driver - Battery Backup

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120-277VAC

IW = Inverter Wiring

CA = Custom Angle, add in notes

NOTES

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Construction & Mounting

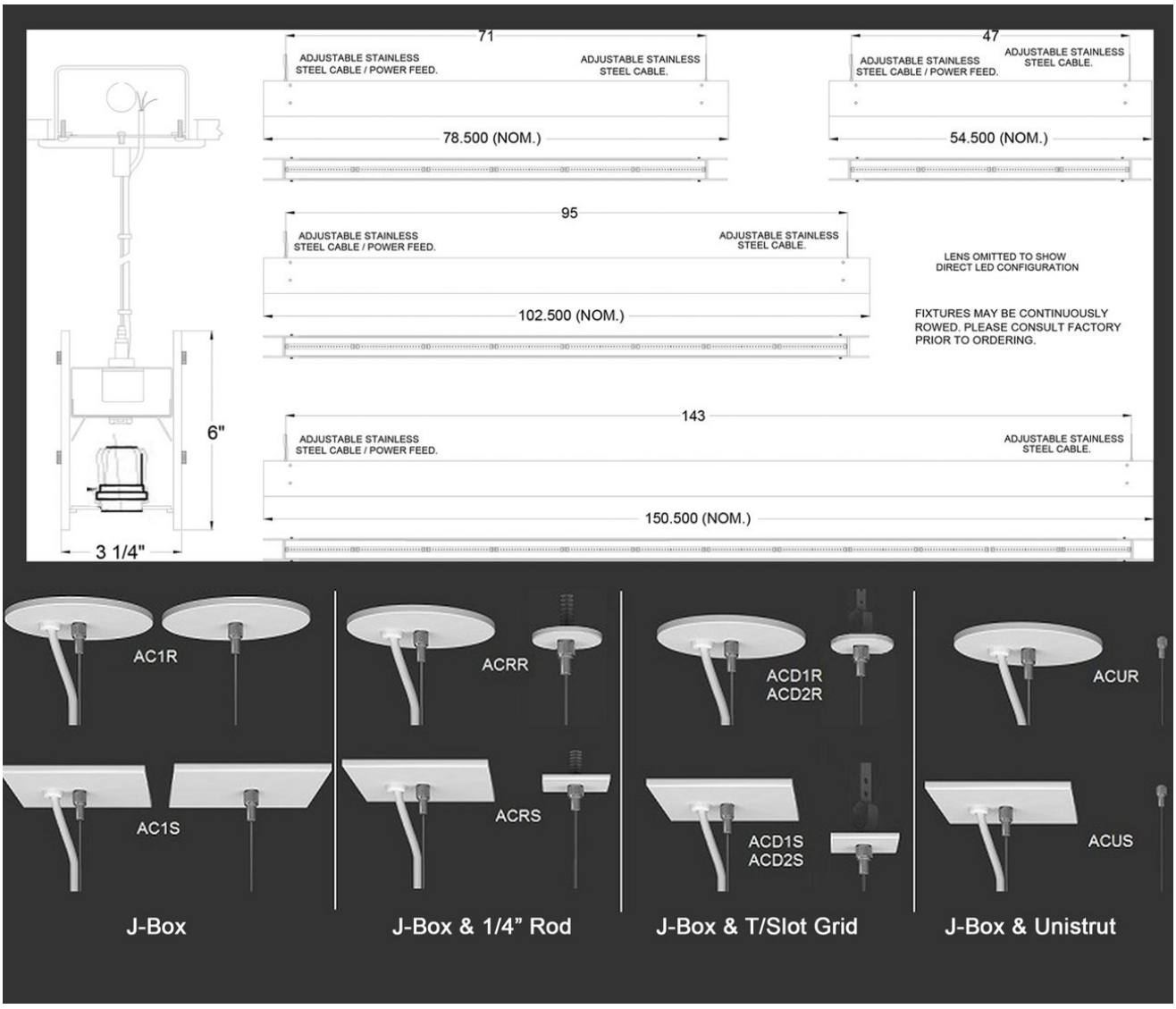
HOUSING
Side panels and end details are ¼" x 6" thick extruded aluminum and are supplied in nominal lengths of 4 ft., 6 ft., 8 ft. and 12 ft. Side panels are secured with decorative thumb screws. Side panels do not need to be removed during installation or for maintenance. Fixtures may be continuously 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
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
Direct component are our factory made downlights ic various beam spreads. 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 48" standard. Canopy mounts to standard J-box. See options for more information.



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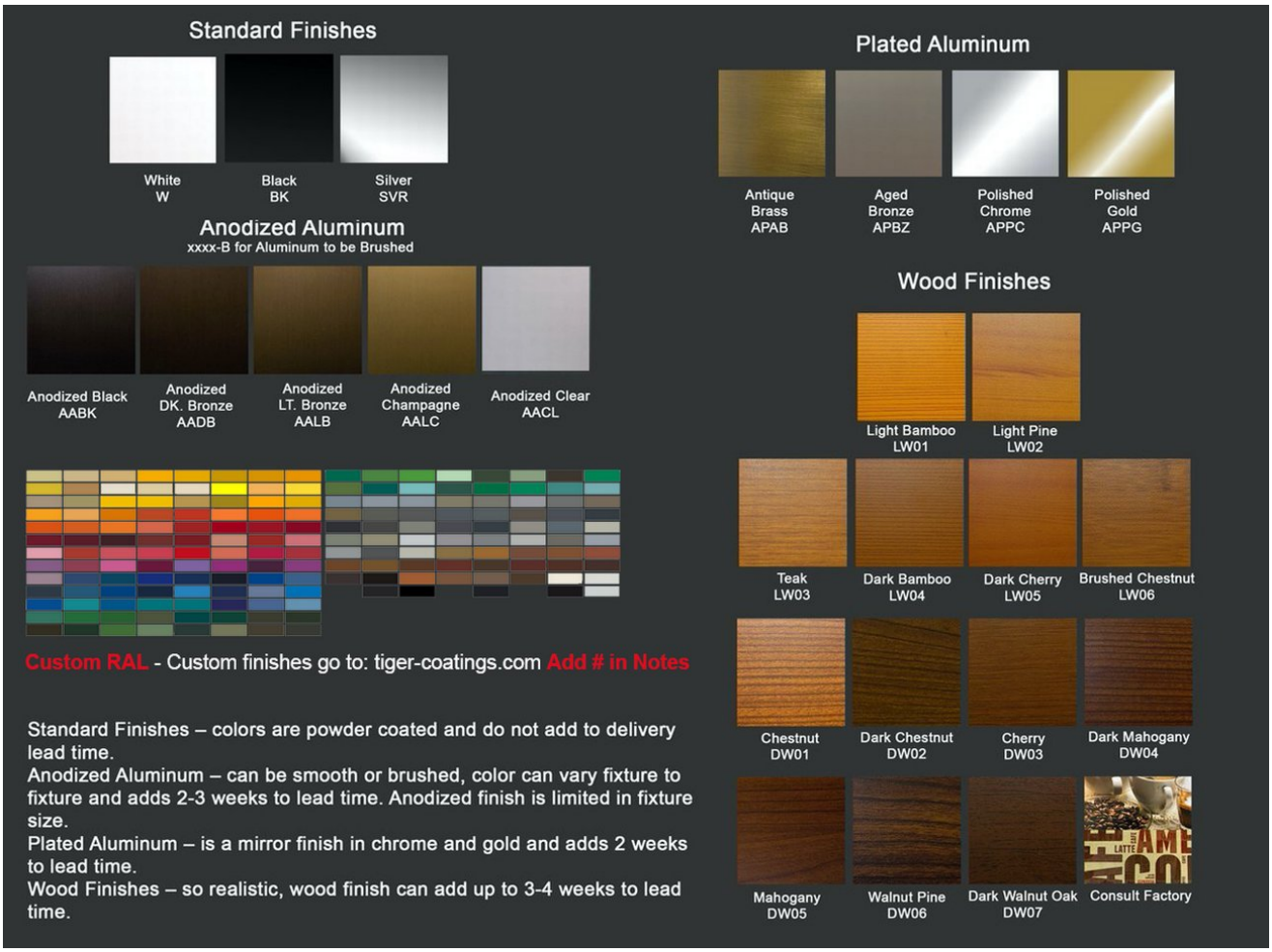

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Electrical / Driver

- 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
- 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 Perfomance

LED Output	CCT Color Temp	Watts	Lumens	Lumens per Watt	CCT Multiplier
Medium 20d	3000	12.71 TW	1360 TL	107	2700=.95
Medium 30d	3000	12.71 TW	1250 TL	107	3000 = 1
Low	3000	3.4 WPF Indirect	350 LPF	82	2700=.95
Medium	3000	4.8 WPF Indirect	500 LPF	81	3000=1.00
High	3000	7.3 WPF Indirect	750 LPF	80	3500= 1.01
Very High	3000	9.7 WPF Indirect	1000 LPF	79	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. As well as our downlights.
- 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.