

Curvano® 2.5"

Curved Linear Direct/Indirect



PROJECT:

TYPE:

Features

Curvano expands on the existing linear slot portfolio of Amerlux, further putting the "arch" in first-class architectural lighting. The 2.5" profile is available in 5 diameter options, as either a curved corner or full 360° circle. With the ability to fit in seamlessly anywhere on your project, from the simplest design to the most complex, Curvano provides infinite design and lighting patterns options: circular, serpentine and rounded-circle displays included. Trust Curvano to provide the freedom to create—and maintain—dynamic, head-turning spaces.



Product Overview

| | |
|------------------|---|
| Type: | Pendant Direct/Indirect |
| Wattage: | 3W-10W/ft |
| Color Temp: | 2700K, 3000K, 3500K, 4000K |
| CRI: | 83 or 90+ typ. |
| Dimming (wired): | 0-10V, 1% dim (standard) Lutron LDE1 Hi-lume® 1% Soft-On/Fade-to-Black DALI, 1% dim |

Certifications



Fixture Summary

Performance Data

| Wattage per Foot | Direct | | Indirect | | Total | | |
|------------------|--------|-------|----------|-------|--------|-------|-------|
| | Lumens | lm/ft | Lumens | lm/ft | Lumens | lm/ft | lm/W |
| 5 | 1706 | 427 | 2501 | 625 | 4206 | 1052 | 114.7 |
| 10 | 3114 | 779 | 4756 | 1189 | 7869 | 1967 | 106.2 |

Data is based on 4' fixture, 3500K-80 120V IES files available on website.

Designer Lens for Direct and Upper Clear Lens for Indirect.

Electrical Data

| Wattage per Foot | Voltage | System Watts | Amps |
|------------------|---------|--------------|------|
| 5 | 120V | 37.3 | 0.30 |
| | 277V | 38.7 | 0.15 |
| 10 | 120V | 74.5 | 0.62 |
| | 277V | 74.6 | 0.28 |

Electronic multi-volt (120-277VAC), constant current LED driver.



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The Amerlux logo consists of the word "amerlux" in a lowercase, sans-serif font. A black curved line arches over the letters "e", "r", "l", and "u". Above this black line, there is a shorter, dashed line in yellow, red, green, and blue.

PROJECT:

TYPE-

Ordering Information

CURV2.5DI

120/277

| | | | | | |
|---|---|----|----|----|----|
| 8 | 9 | 10 | 11 | 12 | 13 |
|---|---|----|----|----|----|

| 1 | Model | 2 | Optics | 3 | Mounting | 4 | Circuiting | 5 | Wattage | | | | | | | | | | | | | | | | |
|-----------|-------|---|--|---|---|---|-----------------------------|--------|----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|----|
| CURV2.5DI | | | (select 1 for direct & 1 for indirect) | | Pendant Mount (aircraft cable suspension) ASW04* through ceiling tile or gyp board, white, 4' ASW10 through ceiling tile or gyp board, white, 10' ASW20 through ceiling tile or gyp board, white, 20' ASB04* through ceiling tile or gyp board, black, 4' ASB10 through ceiling tile or gyp board, black, 10' ASB20 through ceiling tile or gyp board, black, 20' ASW04T* over ceiling tee, white, 4' ASW10T over ceiling tee, white, 10' ASW20T over ceiling tee, white, 20' ASB04T* over ceiling tee, black, 4' ASB10T over ceiling tee, black, 10' ASB20T over ceiling tee, black, 20' * 4' (xxx04) is standard length, other lengths are additional charge Note: D22/D36/D43 ARC and CIR configurations always use a remote driver. | 1 single circuit 2 up/down switch separately | (per foot, direct/indirect) | Direct | Indirect | 3 | 3 | 4 | 4 | 5 | 5 | 6 | 6 | 7 | 7 | 8 | 8 | 9 | 9 | 10 | 10 |

| 6 | Color Temp | 7 | Finish | 8 | Voltage | 9 | Length |
|--|------------|-----|---|---|---------|---|--------|
| | 80+ CRI | | 90+ CRI | | | | X |
| 30 | 3000K-80+ | 279 | 2700K-90+ | | 120/277 | | X |
| 35 | 3500K-80+ | 309 | 3000K-90+ | | | | |
| 40 | 4000K-80+ | 359 | 3500K-90+ | | | | |
| | | 409 | 4000K-90+ | | | | |
| <i>Consult factory for 90+ CRI lead time</i> | | | | | | | |
| | | | HW high reflectance matte white | | | | |
| | | | BT black texture | | | | |
| | | | ST silver texture | | | | |
| | | | <i>For other RAL color, consult factory</i> | | | | |

| 9 | Diameter & Angle | |
|--|------------------|--------------------|
| D22 | 22" diameter | A45 45° angle |
| D36 | 36" diameter | A90 90° angle |
| D43 | 43" diameter | A135 135° angle |
| D72 | 72" diameter | A180 180° angle |
| D100 | 100" diameter | CA___ custom angle |
| CD___ | custom diameter | |
| | | X |
| | (diameter) | (angle) |
| - ARC | | - ARC |
| - CIR | | - PLL/PLR |
| - PLL/PLR | | - PU |
| - PU | | - PZ |
| - PR | | |
| - PZ | | |
| <i>See page 3 for more details and restrictions.</i> | | |
| <i>Patterns with multiple corners to have the same diameter & angle throughout. For IND/CON/CUS skip to "Configuration."</i> | | |
| <i>Note: D22/D36/D43 ARC and CIR configurations always use a remote driver.</i> | | |
| <i>For jobs with architectural drawings, original CAD file (.DWG) is required to quote.</i> | | |

| | |
|----|--|
| 10 | <h3>Configuration</h3> <p>IND - individual straight fixtures, 2' to 8' (<i>in 1' increments</i>)</p> <p>CON - continuous run, > than 8', specify to nearest foot</p> <p>CUS - custom made to measure, +/- 1/8" of customer supplied field dimensions</p> <p>ARC - individual curved fixtures, see diameter and angle options above</p> <p>CIR - circle (<i>D22, D36, D43 ships assembled; D72, D100 ships in 90° sections</i>)</p> <p><u>Standard Patterns</u> (<i>see page 3 for details</i>)</p> <p>PLL - L left, (2) straight + (1) corner, leg right</p> <p>PLR - L left, (2) straight + (1) corner, leg left</p> <p>PU - U shape, (3) straight lengths + (2) corners</p> <p>PR - Rectangle, (4) straight lengths + (4) corners</p> <p>PZ - Z shape, (3) straight lengths + (2) corners</p> <p><i>For custom patterns, submit EDR on amerlux.com</i></p> <p><i>Minimum 10 pieces required for any custom diameter or angle.</i></p> |
|----|--|

| | |
|----|--|
| 12 | Drivers/Controls 0-10V 1% electronic dimming, multi-volt, 120-277VAC constant current driver (<i>standard</i>) DALI DALI dimming 120-277VAC, 1% dim HILUME-H-ECO Lutron LDE1Hi-lume® 1% dim Soft-On/Fade-to-Black |
|----|--|

| 13 | Options/Accessories |
|----|---|
| | EMC-PF² emergency circuit requires power feed located in last fixture section (<i>for other locations consult factory</i>) |
| | PF² extra power feed for additional circuiting |
| | EMB⁺ emergency battery pack (4" + straight fixtures only) † An additional PF needs to be ordered for all 2-circuit DI fixtures ordered with an EMR |



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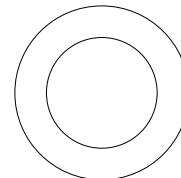
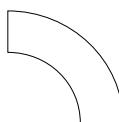


PROJECT:

TYPE:

Diameter and Angle Options

Arc length is the center line length if the curve was straightened out.

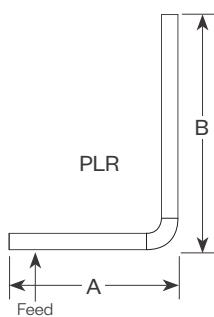
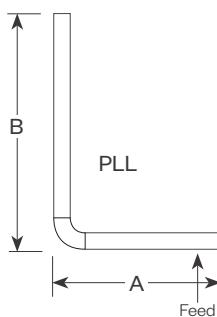


| 45° | |
|----------|------------|
| Diameter | Arc Length |
| D43 | 16.89" |
| D72 | 28.08" |
| D100 | 39.27" |

| 90° | |
|----------|------------|
| Diameter | Arc Length |
| D22 | 16.98" |
| D36 | 28.18" |
| D43 | 33.77" |
| D72 | 56.16" |
| D100 | 78.54" |

| 360° | |
|----------|------------|
| Diameter | Arc Length |
| D22 | 67.54" |
| D36 | 112.72" |
| D43 | 135.09" |
| D72* | 224.62" |
| D100* | 314.16" |

Standard Patterns

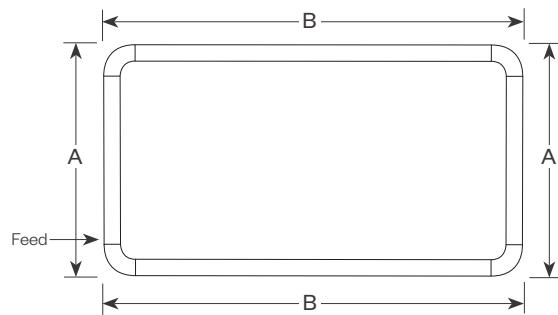


PLL - L Left, (2) straights + (1) corner, leg right

PLR - L Right, (2) straights + (1) corner, leg left

Provide overall lengths: A' & B'; Diameter & Angle of corner

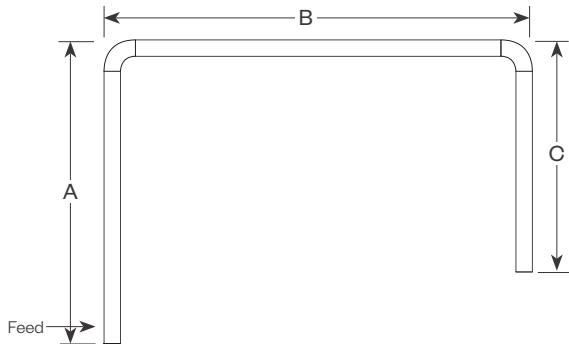
Example: 4'x8'.D43xA90.PLL



PR - Closed Rectangle, (4) straight lengths + (4) 90° corners

Provide overall lengths: A' & B'; Diameter

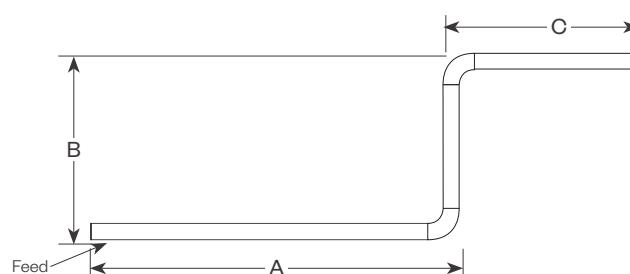
Example: 12'x10'.D22.PR



PU - Open U, (3) straights + (2) corners

Provide overall lengths: A'; B' & C'; Diameter & Angle of corners

Example: 4'x10'.D72xA90.PU



PZ - Open Z, (3) straights + (2) corners

Provide overall lengths: A'; B' & C'; Diameter & Angle of corners

Example: 12'x6'x10'.D36XA90.PZ



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Specifications

Application

Retail and commercial ambient lighting that can be customized with a variety of diameters and angles to create any curved pattern or variety of illuminated circles.

Construction

Extruded aluminum housing. Die-cast End Plates match fixture body finish. Die-formed, cold-rolled steel internal components are protected against rust and corrosion.

Optical

Laser cut acrylic lens, with lift and shift lay-in design. Maximum length is 8' and maximum angle is 90° (ex. 180° curve will have 2 lenses; Circle will have 4 lenses). All lenses ship installed into fixture. Amerlux's proprietary acrylic lens provide excellent transmission while effectively concealing source image.

DL - Designer Lens provides flat even glow on lens

UC - Upper Clear Lens cover

BAT - Batwing uplight (only available in straight runs)

LED

Amerlux fixtures have excellent thermal management and offer a 5 year warranty. Our LED binning is within 3 MacAdam ellipse. Boards are configured for maximum flexibility resulting in even illumination no matter the fixture layout. LED boards are easily replaced in the field with just a Phillips screw driver.

Color Temperature Options: 2700K, 3000K, 3500K, 4000K

CRI: 83 or 90+ typical

R9: 16 @ CRI 83; >50 @ CRI 90+

Life: 50,000+ hr, > 70% of initial lumens (L70)

Electrical

Wiring: Individual and "Beginning of Run" (BOR) fixtures are prewired with power cord. All configurations have quick connect power harnesses for row connections.

1 - 1 Circuit, direct & indirect same circuit

2 - 2 Circuits, direct & indirect switch separately (power feed at both ends)

Remote Driver Wiring (D22, D36 & D43 ARO or CIR only): Driver is supplied installed in remote driver box, (one driver per box), with 5' of low voltage plenum rated cable. Fixture supplied with 18/2 SJT power cord ready to be connected to J-Box (by others) over cable canopy. Amerlux recommends a maximum of 15' between the fixture and the remote driver box. Consult factory with job specific electrical spec if more than 15' is required. Feeds are added as required by specified wattage and driver maximums. See page 5 for wiring illustration

Standard Wattage: 3-10 W/ft (3W & 4W have a minimum length of 4'). Emergency circuit via remote invert or auxiliary emergency power supply (by others)

This product complies with IEEE C62.41 for surge endurance up to 2.5KV.

Amerlux® recommends using additional surge protection with this unit (supplied by others), surge and over voltage damage is not covered under warranty.

EMC-PF - Emergency circuit requires power feed to be located in last fixture section for continuous runs. For other locations consult factory. Not available for individual (IND) configuration.

PF - Extra power feed for additional circuiting. Not available for individual (IND) configuration.

EMB - Emergency battery pack - 10W output power, 90 min of illumination time. Illuminated test-switch/charging indicator light is provided. Wattage consumption by EMB: 2.5W/ft (4ft fixture), 1.66W/ft (6ft fixture), 1.25W/ft (8ft fixture). Request can be made to light up 4ft section on 8ft unit.

Finish

All painted surfaces are premium powder coated baked on for maximum durability and color stability.

HW - High reflective matte White

BT - Black Texture

ST - Silver Texture

For special paint colors supply RAL and/or actual paint chip for factory consultation.

Configurations/Lengths

IND - Individual straights are standalone fixtures made of single lengths of 2' to 8' (in 1' increments). They are supplied with matching painted End Caps and the required mounting hardware. Lengths less than 4' may have restrictions based upon wattage, lengths, drivers or other options.

CON - Continuous runs are longer than 8', specified to the nearest whole foot. Continuous runs less than 16' are made of 2 lengths. Continuous runs longer than 16' start with a 8' Beginning of Row (BoR) wired with a power feed and fitted with an End Cap. The majority of the runs are made up of 8' Middle of Run (MoR) lengths. End of Run (EoR) units are made up of 2' to 8' units to the nearest whole foot or a combination of a last 4' MoR and a 5', 6' or 7' EoR. Runs longer than 60' may require a second power feed. Factory installed pins and splines simplify fixture alignment. Lengths are quickly joined with "catch and latch" mechanisms or screws and sturdy brackets. Quick connectors simplify field wiring.

CUS - Custom made to measure runs are made to nearest 1/8" of customer supplied field measurements. They can be a single custom length or runs configured as described above only EoR's are 2' to 8' cut to the nearest 1/8" exact length or a combination of a last 4' MoR with an EoR cut to exact length to the nearest 1/8".

ARC - Individual arcs are standalone fixtures made of single lengths using a diameter and an angle (ex. D43 x A90 is a 4' diameter, 90° individual fixture). They are supplied with matching painted End Caps and the required mounting hardware. All diameters utilize a remote mounted driver.

CIR - Circle fixtures made up of a single housing (D22, D36 & D43) or shipped in 90° segments (D72, D100). All diameters utilize a remote mounted driver.

PLL/PLR/PR/PU/PZ - Standard patterns consist of standard diameter & angle corners with standard lengths (3' to 8' in 1' increments) or custom lengths. Patterns with multiple corners will have the same diameter and angle utilized throughout the pattern. Depending upon complexity of the pattern, drawings may be required. When ordering please give overall lengths. See page 3 for layouts.

PC - Custom patterns use standard or custom lengths, 90° or other corner angles with some limitations. Please provide drawings and consult factory.

Mounting

For indirect lighting Amerlux suggests 18" min from top of fixture to ceiling. Standard or custom patterns available.

CURV2.5DI....ASW10 - Direct/Indirect installed in center of ceiling tile or gypsum board ceiling, (standard) i.e. ASW10. Or if canopy is installed on a grid Tee runner add, T i.e. ASW10T.

Cable Suspension: Cable is stranded stainless steel wire supplied with cable gripper and 5"x .250" steel die formed canopy. All components are protected against rust and corrosion. Power feeds are 16 gauge 3 or 5 conductor SJT cord supplies in same color as canopy. Amerlux supplies the required feed and non-feed suspension kits based upon length, electrical options and customer requirements. Suspension kit options include: color, length and mounting condition.

Please note: 1 Circuit is standard, the direct & indirect are on the same circuit.

2 Circuits, direct & indirect switched separately with power feeds at both ends.

Certifications

Approved to UL standards as tested by CSA. Intended for indoor use only

Warranty

Amerlux's 5 year limited warranty. Please consult Amerlux website for details.



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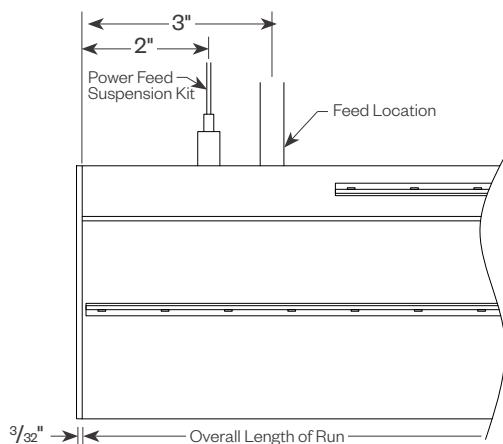
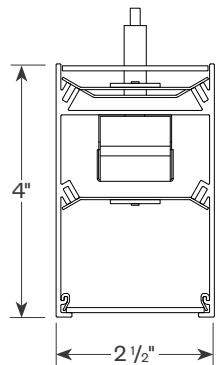


PROJECT:

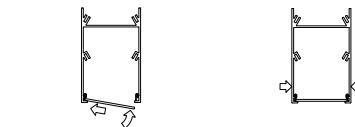
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Product Details

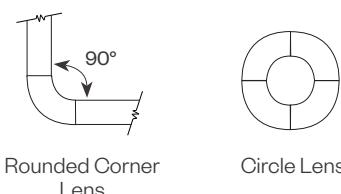
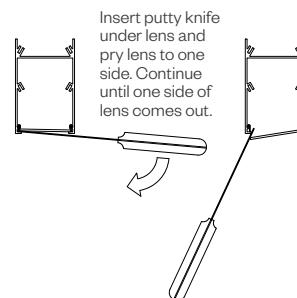
Cross Section



Lens Install/Removal



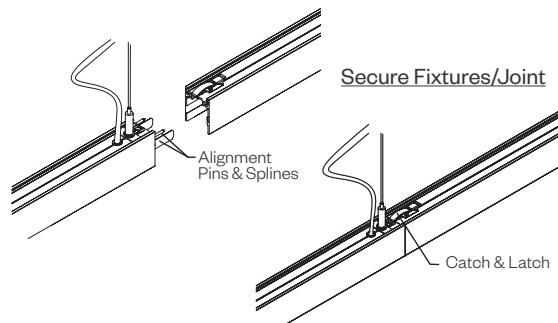
Insert Lens into one side at an angle and push into flexible lens clip. Tilt lens up past bottom flange and into fixture.
If lens shows a gap on one side squeeze fixture to center lens between lens clips.



Rounded Corner Lens Circle Lens

Tool-less Joining

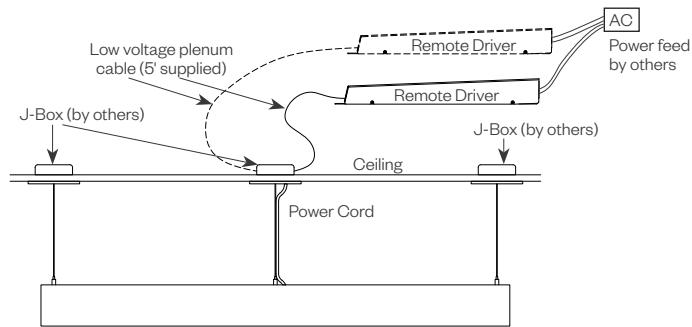
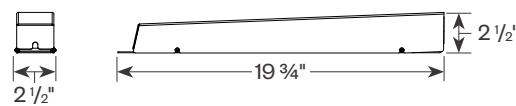
Line up the two housings by using the alignment pins & splines. Secure them together by using the Catch & Latch System on the top of or inside the extrusion.



Remote Driver

D22/36/43 ARC & CIR configurations only

Note: Driver required for every 4'. Remote drivers can be installed up to 15' max from fixture.



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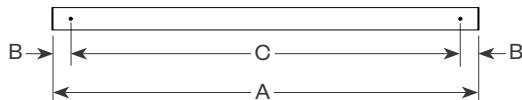
Curved Linear Direct/Indirect



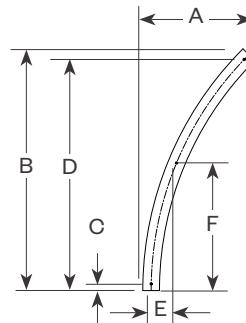
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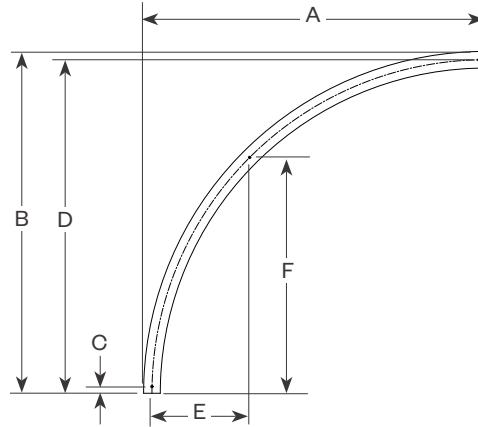
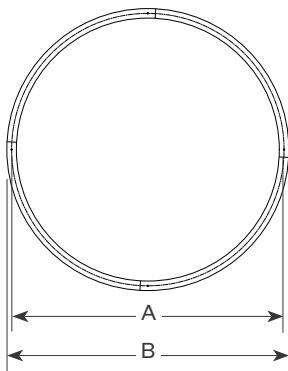
Run Lengths and Dimensions (View from top of fixture, Black dots represent mounting points)



| IND | | | |
|--------|-----------|---------|----------|
| Length | A | B | C |
| 2' | 24" | 2-3/32" | 19-7/8" |
| 3' | 35-7/8" | 2-3/32" | 31-3/4" |
| 4' | 47-3/4" | 2-3/32" | 43-9/16" |
| 5' | 59-11/16" | 2-3/32" | 55-1/2" |
| 6' | 71-9/16" | 2-3/32" | 67-3/8" |
| 7' | 83-7/16" | 2-3/32" | 79-1/4" |
| 8' | 95-5/16" | 2-3/32" | 91-1/8" |



| 45° ARC | | | | | | |
|----------|---------|----------|----|----------|----------|-----------|
| Diameter | A | B | C | D | E | F |
| D43 | 8-7/16" | 16-1/16" | 1" | 14-1/2" | 1-5/8" | 8-1/4" |
| D72 | 12-5/8" | 26-3/16" | 1" | 24-9/16" | 2-3/4" | 13-11/16" |
| D100 | 16-3/4" | 36-1/4" | 1" | 34-5/8" | 3-13/16" | 19-1/8" |



| CIR | | |
|----------|---------|----------|
| Diameter | A | B |
| D22 | 21-5/8" | 24-1/8" |
| D36 | 35-7/8" | 38-3/8" |
| D43 | 43" | 45-1/2" |
| D72 | 71-1/2" | 74" |
| D100 | 100" | 102-1/2" |

| 90° ARC | | | | | | |
|----------|----------|----------|----|-----------|---------|-----------|
| Diameter | A | B | C | D | E | F |
| D22 | 12-1/16" | 12-1/16" | 1" | 10-3/4" | 3-3/16" | 7-5/8" |
| D36 | 19-3/16" | 19-3/16" | 1" | 17-15/16" | 5-1/4" | 12-11/16" |
| D43 | 22-3/4" | 22-3/4" | 1" | 21-1/2" | 6-5/16" | 15-3/16" |
| D72 | 37" | 37" | 1" | 35-3/4" | 10-1/2" | 25-1/4" |
| D100 | 51-1/4" | 51-1/4" | 1" | 50" | 14-5/8" | 35-3/8" |



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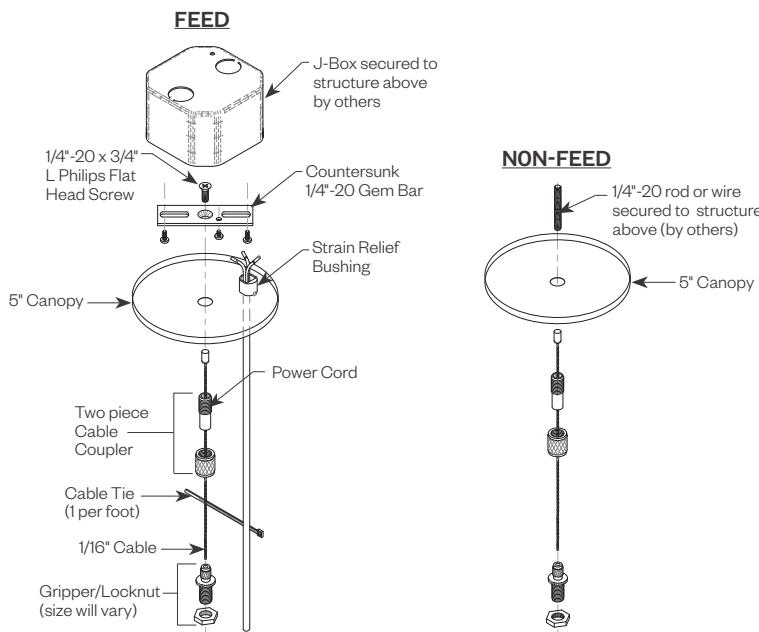
Curved Linear Direct/Indirect



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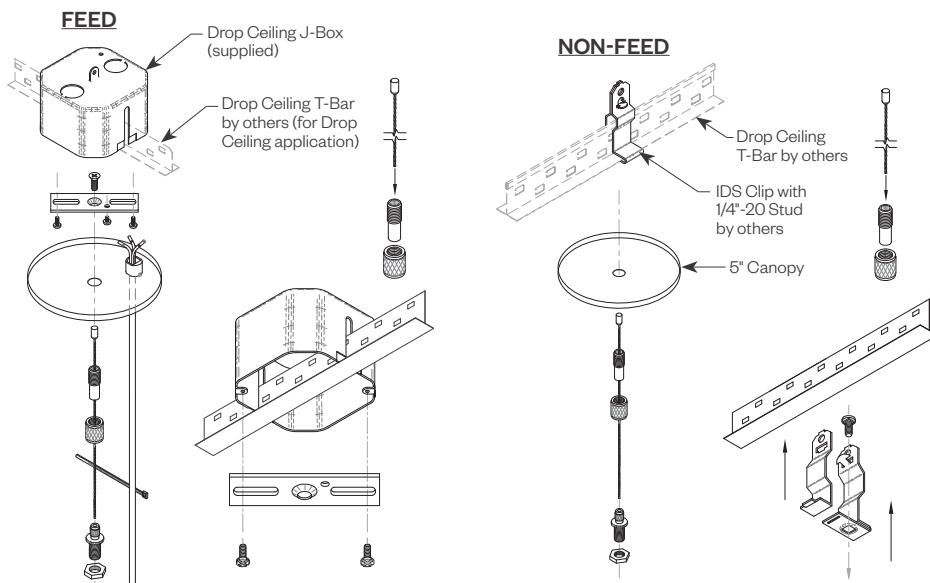
TYPE:

Cable Kit Suspension - Ceiling or Gypsum Board (ASW04, ASW10, ASW20, ASB04, ASB10, ASB20, MASW10, MASB10)



| Cat# | Length | Cord/Canopy | Application |
|--------|--------|-------------|---------------------|
| ASW04 | 4' | white/white | ceiling tile/gypsum |
| ASW10 | 10' | white/white | ceiling tile/gypsum |
| ASW20 | 20' | white/white | ceiling tile/gypsum |
| ASB04 | 4' | black/black | ceiling tile/gypsum |
| ASB10 | 10' | black/black | ceiling tile/gypsum |
| ASB20 | 20' | black/black | ceiling tile/gypsum |
| ASW04T | 4' | white/white | ceiling tee |
| ASW10T | 10' | white/white | ceiling tee |
| ASW20T | 20' | white/white | ceiling tee |
| ASB04T | 4' | black/black | ceiling tee |
| ASB10T | 10' | black/black | ceiling tee |
| ASB20T | 20' | black/black | ceiling tee |

Tee Grid or Screw Slot (ASW04T, ASW10T, ASW20T, ASB04T, ASB10T, ASB20T, MASW10T, MASB10T)



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PROJECT:

TYPE:

Performance Data

Multiplying Factors: (Multiplying Factor is based on 3500K-83 120V IES file on website)

| Wattage: | 3W | 4W | 5W | 6W | 7W | 8W | 9W | 10W |
|-----------------|------|------|-----|------|------|------|------|------|
| Direct | | | | | | | | |
| Factor: | 0.67 | 0.83 | 1.0 | 1.17 | 1.33 | 1.5 | 1.66 | 1.83 |
| Indirect | | | | | | | | |
| Factor: | 0.63 | 0.82 | 1.0 | 1.18 | 1.37 | 1.55 | 1.74 | 1.92 |

| CCT: | 3000K-83 | 3500K-83 | 4000K-83 |
|---------|----------|----------|----------|
| Factor: | 0.97 | 1.0 | 1.01 |

| CCT: | 2700K-90+ | 3000K-90+ | 3500K-90+ | 4000K-90+ |
|---------|-----------|-----------|-----------|-----------|
| Factor: | 0.90 | 0.93 | 0.96 | 0.97 |

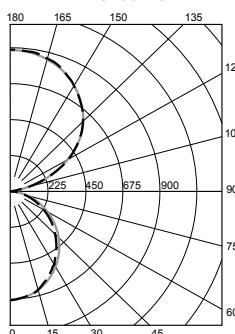
CURV2.5DI DL/UC 5W/5W 3500K 4FT

Total Watts: 37

Total Lumens: 4206

Source: 112 direct White LEDs / 98 indirect white LEDs

LTL# 13450111.02



ZONAL LUMEN SUMMARY

| Zone | Lumens | %Fxt |
|--------|--------|------|
| 0-40 | 811 | 19.3 |
| 0-60 | 1375 | 32.7 |
| 0-90 | 1706 | 40.5 |
| 90-180 | 2501 | 59.5 |

Efficacy (lumens/watt) = 114.7 lm/W

COEFFICIENTS OF UTILIZATION

| RC RW | 80 | | | |
|----------|-----|-----|-----|-----|
| | 70 | 50 | 30 | 10 |
| RCR | | | | |
| 0 | 105 | 105 | 105 | 105 |
| 1 | 96 | 91 | 88 | 84 |
| 2 | 87 | 80 | 74 | 69 |
| 3 | 79 | 70 | 63 | 57 |
| 4 | 73 | 62 | 54 | 48 |
| 5 | 67 | 55 | 47 | 41 |
| 6 | 61 | 50 | 42 | 36 |
| 7 | 57 | 45 | 37 | 31 |
| 8 | 53 | 40 | 33 | 28 |
| 9 | 49 | 37 | 30 | 25 |
| 10 | 46 | 34 | 27 | 22 |

Note: Values expressed as % of total lumen output delivered to the task surface.

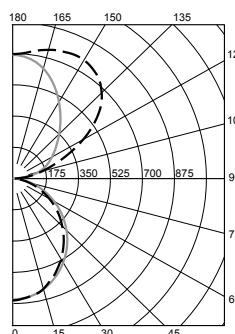
CURV2.5DI DL/BAT 5W/5W 3500K 4FT

Total Watts: 37

Total Lumens: 3993

Source: 112 direct White LEDs / 98 indirect white LEDs

LTL# 13450111.03



ZONAL LUMEN SUMMARY

| Zone | Lumens | %Fxt |
|--------|--------|------|
| 0-40 | 810 | 20.3 |
| 0-60 | 1374 | 34.4 |
| 0-90 | 1705 | 42.7 |
| 90-180 | 2288 | 57.3 |

Efficacy (lumens/watt) = 109 lm/W

COEFFICIENTS OF UTILIZATION

| RC RW | 80 | | | |
|----------|-----|-----|-----|-----|
| | 70 | 50 | 30 | 10 |
| RCR | | | | |
| 0 | 105 | 105 | 105 | 105 |
| 1 | 96 | 92 | 88 | 85 |
| 2 | 88 | 80 | 74 | 69 |
| 3 | 80 | 71 | 63 | 58 |
| 4 | 73 | 62 | 55 | 49 |
| 5 | 67 | 56 | 48 | 42 |
| 6 | 62 | 50 | 42 | 36 |
| 7 | 57 | 45 | 37 | 32 |
| 8 | 53 | 41 | 33 | 28 |
| 9 | 49 | 37 | 30 | 25 |
| 10 | 46 | 34 | 27 | 22 |

Note: Values expressed as % of total lumen output delivered to the task surface.



Delta Intelligent Building Technologies

Curvano® 2.5"

Curved Linear Direct/Indirect



PROJECT:

TYPE:

Performance Data (continued)

Multiplying Factors: (Multiplying Factor is based on 3500K-83 120V IES file on website)

| Wattage: | 3W | 4W | 5W | 6W | 7W | 8W | 9W | 10W |
|-----------------|------|------|------|------|------|------|------|-----|
| Direct | | | | | | | | |
| Factor: | 0.37 | 0.46 | 0.55 | 0.73 | 0.73 | 0.82 | 0.91 | 1.0 |
| Indirect | | | | | | | | |
| Factor: | 0.33 | 0.43 | 0.52 | 0.62 | 0.71 | 0.81 | 0.90 | 1.0 |

| CCT: | 3000K-83 | 3500K-83 | 4000K-83 |
|---------|----------|----------|----------|
| Factor: | 0.97 | 1.0 | 1.01 |

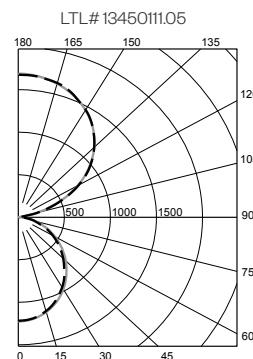
| CCT: | 2700K-90+ | 3000K-90+ | 3500K-90+ | 4000K-90+ |
|---------|-----------|-----------|-----------|-----------|
| Factor: | 0.90 | 0.93 | 0.96 | 0.97 |

CURV2.5DI DL/UC 10W/10W 3500K 4FT

Total Watts: 74

Total Lumens: 7869

Source: 112 direct White LEDs / 98 indirect white LEDs



ZONAL LUMEN SUMMARY

| Zone | Lumens | %Fxt |
|--------|--------|------|
| 0-40 | 1469 | 18.7 |
| 0-60 | 2487 | 31.6 |
| 0-90 | 3114 | 39.6 |
| 90-180 | 4756 | 60.4 |

Efficacy (lumens/watt) = 106.2 lm/W

COEFFICIENTS OF UTILIZATION

| RC RW | 80 | | | |
|----------|-----|-----|-----|-----|
| | 70 | 50 | 30 | 10 |
| RCR | | | | |
| 0 | 105 | 105 | 105 | 105 |
| 1 | 95 | 91 | 87 | 84 |
| 2 | 87 | 80 | 73 | 68 |
| 3 | 79 | 70 | 63 | 57 |
| 4 | 72 | 62 | 54 | 48 |
| 5 | 66 | 55 | 47 | 41 |
| 6 | 61 | 49 | 41 | 36 |
| 7 | 56 | 44 | 37 | 31 |
| 8 | 52 | 40 | 33 | 27 |
| 9 | 49 | 37 | 29 | 24 |
| 10 | 45 | 34 | 27 | 22 |

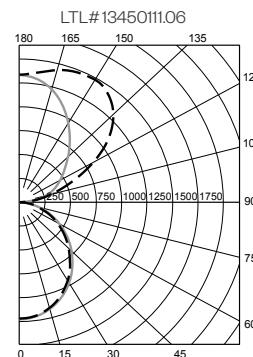
Note: Values expressed as % of total lumen output delivered to the task surface.

CURV2.5DI DL/BAT 10W/10W 3500K 4FT

Total Watts: 74

Total Lumens: 7506

Source: 112 direct White LEDs / 98 indirect white LEDs



ZONAL LUMEN SUMMARY

| Zone | Lumens | %Fxt |
|--------|--------|------|
| 0-40 | 1469 | 19.6 |
| 0-60 | 2487 | 33.1 |
| 0-90 | 3114 | 41.5 |
| 90-180 | 4392 | 58.5 |

Efficacy (lumens/watt) = 101.3 lm/W

COEFFICIENTS OF UTILIZATION

| RC RW | 80 | | | |
|----------|-----|-----|-----|-----|
| | 70 | 50 | 30 | 10 |
| RCR | | | | |
| 0 | 105 | 105 | 105 | 105 |
| 1 | 96 | 92 | 88 | 84 |
| 2 | 87 | 80 | 74 | 69 |
| 3 | 80 | 70 | 63 | 57 |
| 4 | 73 | 62 | 54 | 48 |
| 5 | 67 | 55 | 47 | 41 |
| 6 | 61 | 50 | 42 | 36 |
| 7 | 57 | 45 | 37 | 31 |
| 8 | 53 | 41 | 33 | 28 |
| 9 | 49 | 37 | 30 | 25 |
| 10 | 46 | 34 | 27 | 22 |

Note: Values expressed as % of total lumen output delivered to the task surface.



Delta Intelligent Building Technologies

Curvano® 2.5"

Curved Linear Direct/Indirect



PROJECT:

TYPE:

Dimming Compatibility

Amerlux® Carisma fixtures are compatible with all major dimming protocols prevalent in the United States. Please see below for general compatibilities and wiring diagrams. Amerlux recommends testing your unique dimming configuration as the exact full configuration (Dimmer, Fixture Quantity, Voltage, etc) may affect dimming performance.

--- NOTE: INFORMATION BELOW IS FOR WIRED DIMMERS ONLY. FOR WIRELESS DIMMERS, CONSULT FACTORY ---

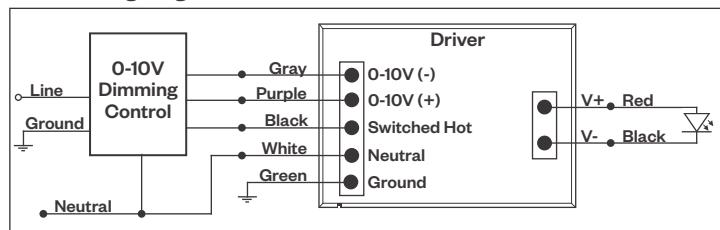
0-10V - DIMMING (Standard)

Integrates into a variety of building management and daylighting controls

Notes:

- 120V or 277V*
- Dims down to 1% light output
- Requires interface to turn off power to driver
- Consult Dimming manufacturer for installation instructions - **DO NOT SHARE NEUTRALS!**

0-10V Wiring Diagram



Compatible Dimmers[†]:

| Wall Box | Central System | |
|-------------------|----------------|-----------|
| Lutron: | Wattstopper: | Leviton: |
| Diva - DVSTV | ADF-120277 | Renoir II |
| Maestro - MS-Z101 | | |
| Nova-T - NTSTV-DV | | |

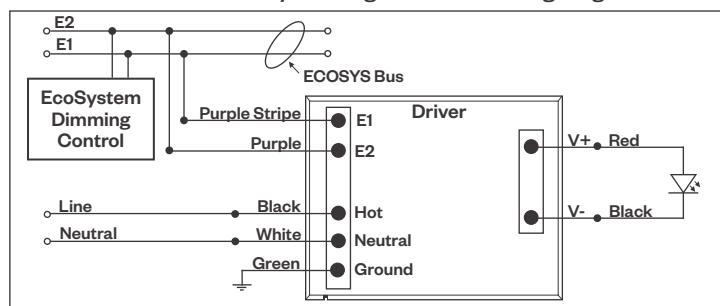
LUTRON LDE1 DIMMING

Integrates into Lutron EcoSystem building management

Notes:

- 120VAC or 277VAC*
- Dims down to 1% Soft-On/Fade-to-Black
- EcoSystem Control
- Consult Dimming manufacturer for installation instructions - **DO NOT SHARE NEUTRALS!**

LDE1 (HILUME-H-ECO) EcoSystem Digital Control Wiring Diagram



Compatible Dimmers[†]:

| Lutron ECO System | Central System |
|-------------------------|--------------------------------------|
| Pow Pak Dimming Modules | Lutron EcoSystem compatible controls |
| Energi Savr Node | |
| Grafik Eye QS/Homeworks | |
| QS Control Unit | |
| Quantum Hub | |
| Homeworks QS/My Room | |

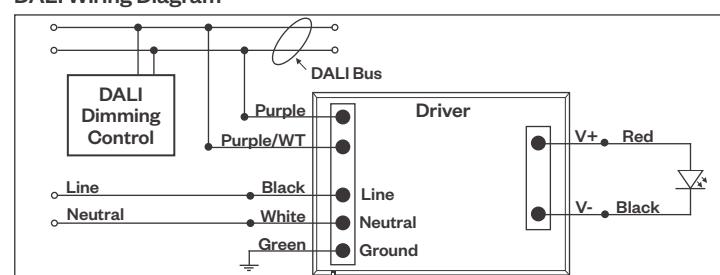
DALI - DALI DIMMING 120V-277V

Digital control protocol allows individual fixture control

Notes:

- 120VAC - 277VAC*
- Dims down to 1% light output in most cases

DALI Wiring Diagram



Notes:

* Driver is 277VAC dimmable with appropriate dimmer (*by others*). All provided wiring diagrams show 120VAC wiring colors and method. Please refer to 277VAC dimmer installation instructions for 277VAC wiring diagrams.

† The absence of a dimmer from the lists above does not imply incompatibility. Please consult factory for compatibility inquiries.



Delta Intelligent Building Technologies