COMFORT VUE
## c o l l e c t i o n

Louver Direct

amerlux

PROJECT:	TYPE:

Features

Amerlux's Comfort Vue product line is a family of linear fixtures offering industry best visual comfort while still maintaining a high performance. Precision molded louvers combine with metallized molded optics to basically eliminate glare. Each individual LED has its own optic to eliminate any color of angle issues. Louvers are offered in Piano Black, Glossy White or Polished Chrome. The family of products include pendant mounting, surface mounting, recessed and perimeter mounting options. Comfort Vue offers the best length configurability in the industry with increments of a single cell. Fully lit corners are also available.

COMVUE-D
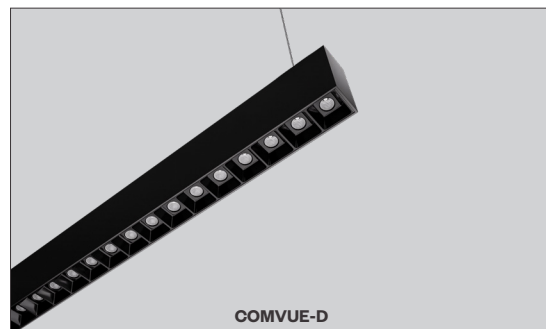
Product Overview

Type:	Direct distribution with Pendant or Surface Mounting
Wattage/Ft:	3W, 4W, 5W, 6W, 7W, 8W, 9W, 10W
Color Temp:	2700K, 3000K, 3500K, 4000K
CRI:	90+ typ.
Dimming (wired):	0-10V, Lutron, DALI
Dimming (wireless):	Lutron Athena, BubblyNet Bluetooth

Certifications

CSA c us

5 year limited warranty
AMERLUX LED

Fixture Summary

Electrical Data

| Wattage/Foot | Voltage | 4' | | 8' | |
		System Watts	Amps	System Watts	Amps
5	120V	19.5	0.16	38.4	0.32
	277V	20	0.086	38.2	0.14
10	120V	40	0.33	78.2	0.65
	277V	39.7	0.15	76.5	0.29

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

Standard Patterns

└	┘	└┘	□	┐└
Yes	Yes	Yes	Yes	Yes

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PROJECT:	TYPE:

Ordering Information

COMVUE-D . CL . ___ . ___ . ___ . ___ . ___ . ___ . 120/277 ___ . ___ . ___ . ___

1 **2** **3** **4** **5** **6** **7** **8** **9** **10** **11** **12** **13**

1	Model	2	Optics	3	Louver Finish	4	Beam Spread	5	Mounting
	COMVUE-D		**CL** cellular louver		**B** piano black **W** glossy white **C** polished chrome		**SP** spot 15° **FL** flood 30° **WF** wide flood 50°		

5 Mounting

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.

Surface Mount

SM surface mount

6	Wattage *(per foot)*	7	Color Temp	8	Housing Finish	9	Voltage	10	Length
	3 4 5 6 7 8 9 10		**279** 2700K-90+ **309** 3000K-90+ **359** 3500K-90+ **409** 4000K-90+		**HW** high reflectance matte white **BT** black texture **ST** silver texture *For other RAL color, consult factory*		**120/277**		

10 Length

——————— X ——————— X ———————		
Length A	Length B	Length C
- all patterns	- all patterns	- PU
- IND	- PR *(2 lengths of 2)*	- PZ
- CON		
- CUS		

11	Configuration

Nominal Length Straights

IND[1] individual fixture, 2' to 8'

CON continuous run > than 8'

NOTE: IND and CON are built to nominal lengths based on the increment of a single cell (1.33"). Please refer to shop drawings for final dimensions.

Exact Length Straights

CUS custom made to measure lengths

NOTE: CUS are built to the exact ordered length and may require blank plates. Please refer to shop drawings for final dimensions.

Standard Patterns *(see pg 6 for details)*

PLL L left, *(2) straights + (1) 90° corner, leg right*
PLR L right, *(2) straights + (1) 90° corner, leg left*
PU U shape, *(3) straight lengths + (2) 90° corners*
PR Rectangle shape, *(4) straight lengths + (4) 90° corners*
PZ Z shape, *(3) straight lengths + (2) 90° corners*
NOTE: Patterns may require blank plates.

12	Drivers/Controls

Wired

0-10V 1% electronic dimming , multi-volt 120-277VAC constant current driver *(standard)*
HILUME-H-ECO Lutron LDE1 Hi-lume® 1% dim Soft-On/Fade-to-Black
DALI DALI dimming 120-277VAC, 1% dim

Wireless

AWNR-WH-SR Lutron Athena wireless node, RF only, white, D4i/DALI-2
AWNR-BL-SR Lutron Athena wireless node, RF only, black, D4i/DALI-2
AWNR-WH-010 Lutron Athena wireless node, RF only, white, 0-10V
AWNR-BL-010 Lutron Athena wireless node, RF only, black, 0-10V
AWNR-OCC-WH-SR* Lutron Athena wireless node, Occupancy & Daylight sensor, white, D4i/DALI-2
AWNR-OCC-BL-SR* Lutron Athena wireless node, Occupancy & Daylight sensor, black, D4i/DALI-2
AWNR-OCC-WH-010* Lutron Athena wireless node, Occupancy & Daylight sensor, white, 0-10V
AWNR-OCC-BL-010* Lutron Athena wireless node, Occupancy & Daylight sensor, black, 0-10V
BN-BT-OCC-WH-SR* BubblyNet Bluetooth node, Occupancy & Daylight sensor, white, D4i/DALI-2
BN-BT-OCC-WH-010* BubblyNet Bluetooth node, Occupancy & Daylight sensor, white, 0-10V

* Selecting the sensor option reduces the lit length by a nominal 6." Please refer to shop drawings for final dimensions.

13	Options/Accessories

EMC-PF[2] emergency circuit requires power feed located in last fixture section *(for other locations consult factory)*
PF[2] Extra power feed for additional circuiting
EMB emergency battery pack *(not available for lengths under 4')*

[1] Lengths less than 4' may have restrictions based upon wattage, lengths, drivers or other options.
[2] Not available with IND *(individual)* configuration.

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Specifications

Construction

One piece extruded aluminum housing. Die-cast end caps match fixture body finish. Internal components are die-formed, galvanized and pre-painted cold-rolled steel.

Optical

CL - precision molded metallized optics and molded cellular louvers.

LED

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: 90+
R9: >50 @ CRI 92
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.
Standard Wattage: 5W/ft, 10W/ft.
Optional Wattages: 3W/ft, 4W/ft, 6W/ft, 7W/ft, 8W/ft, 9W/ft. *(3W & 4W have a minimum length of 3')*. For other wattages consult factory.
Emergency circuit via remote inverter 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.

Housing 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

Nominal Length Straights:
NOTE: IND and CON are built to nominal lengths based on the increment of a single cell (1.33"). Please refer to shop drawings for final dimensions.
IND - Individual fixtures are made of single standard lengths of 2 ft to 8 ft. These are stand alone fixtures with matching End Caps, supplied with the mounting hardware. Lengths less than 4' may have restrictions based upon wattage, lengths, drivers or other options.
CON - Continuous runs, > 8'. Runs made from standard lengths have End Caps at the beginning and end of run. Runs > 60' may require second power feed. Each housing has factory installed alignment pins. Mating fixtures are easily aligned and joined. Wiring is made fast and positive with molded quick connectors.

Exact Length Straights:
NOTE: CUS are built to the exact ordered length and may require blank plates. Please refer to shop drawings for final dimensions.
CUS - Custom made to measure runs are made to nearest 1/8"of customer supplied field measurements or drawings. Custom lengths use the same hardware for hairline joining.

Standard Patterns:
Note: Patterns may require blank plates at the ends, depending on length.
PXX- Standard Patterns consist of 90º corners with standard lengths, continuous runs or made to measure lengths. Depending upon complexity of the pattern drawings may be required from the customer. If ordering please give overall lengths.
A'-B'-PLL - L Left - *(1)* 90º Corner *(2)* segments. Specify overall segments: A' & B'
A'-B'-PLR - L Right - *(1)* 90º Corner *(2)* segments. Specify overall segments: A' & B'
A'-B'-PR - Rectangle - *(4)* 90º Corners joining *(4)* segments. Specify overall segments: A' & B'
A'-B'-C'-PU - U shape - *(2)* 90º Corners joining *(3)* segments. Specify overall segments: A', B', & C'
A'-B'-C'-PZ - Z shape - *(2)* 90º Corners joining *(3)* segments. Specify overall segments: A', B', & C'
See page 6 for layouts.

Mounting

The Comfort Vue Direct is intended for pendant or surface mounting.
Pendant Mount-ASWxx - Direct pendant mounted in center of ceiling tile or gypsum board ceiling *(standard)* i.e. ASWxx. Or if canopy is installed on a grid Tee runner add, **T** i.e. ASWxxT.
Cable is stranded stainless steel wire. All fittings are protected against rust and corrosion. Canopies are 5" x 1/4" die formed painted steel. Adjustment mechanism allows for infinite height adjustment. Amerlux recommends the required feed and non-feed suspensions based upon length and electrical options. Options include: color of canopy and power cord *(black or white)*, length 4', 10' or 20', and mounting condition, in center of ceiling tile and in gypsum board ceiling *(standard)* i.e. ASWxx. Or if canopy is installed on a grid Tee runner add, **T** i.e. ASWxxT
Surface Mount-SM - Direct surface mounted - housing needs to be attached to solid structure above. Mounting holes are pre-drilled at factory. Some fixture disassembly and reassembly required. Mounting hardware by others.

Certifications

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

Warranty

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

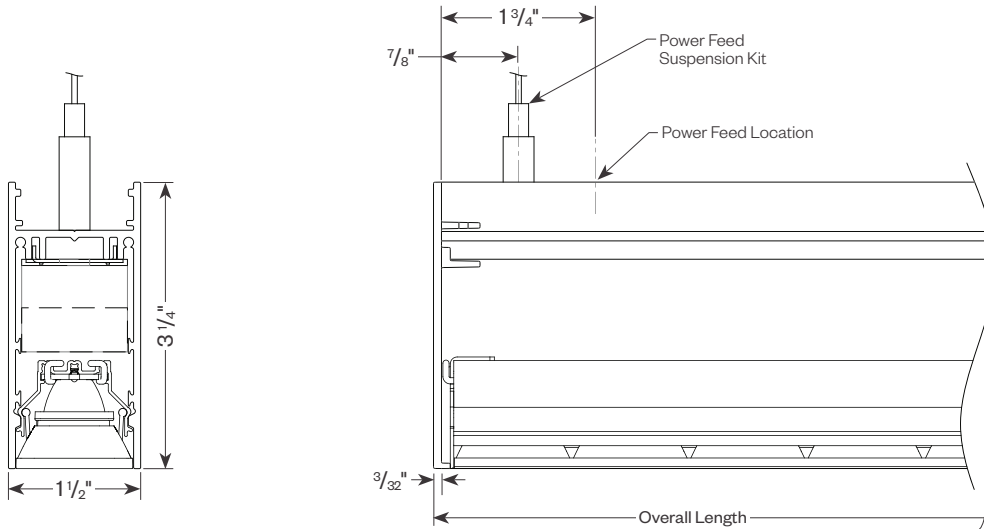**Delta Intelligent Building Technologies**

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COMFORT VUE
c o l l e c t i o n

Louver Direct

amerlux

PROJECT:	TYPE:

Product Details

Pendant

1 3/4"

7/8"

Power Feed
Suspension Kit

Power Feed Location

3 1/4"

1 1/2"

3/32"

Overall Length

Surface Mount

Mounting
Hardware
(by others)

3 1/4"

1 1/2"

6" typ.

2 1/4"

Power Feed Location

3/32"

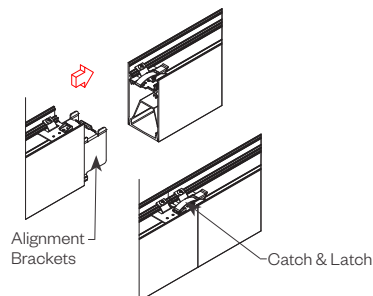Overall Length

---
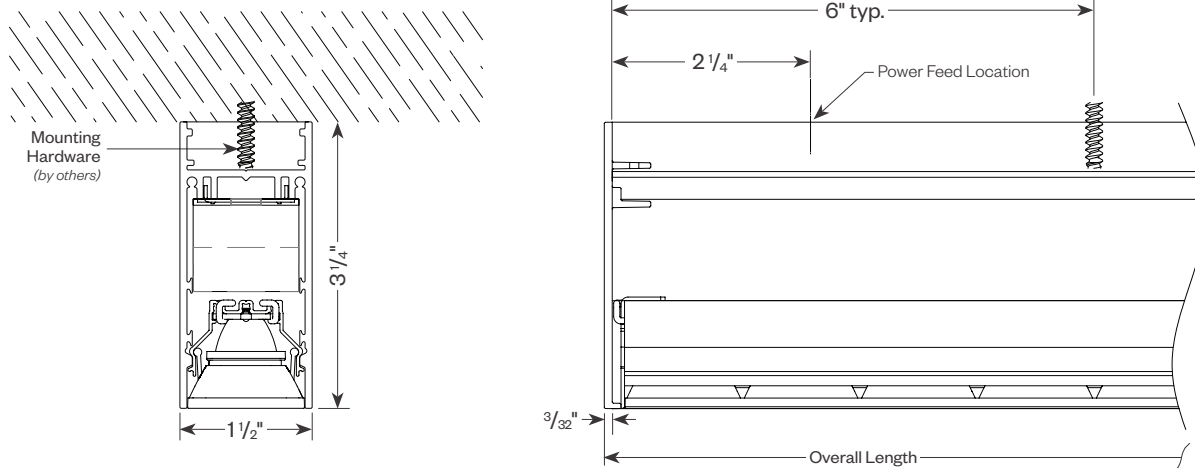
Tool-less Joining

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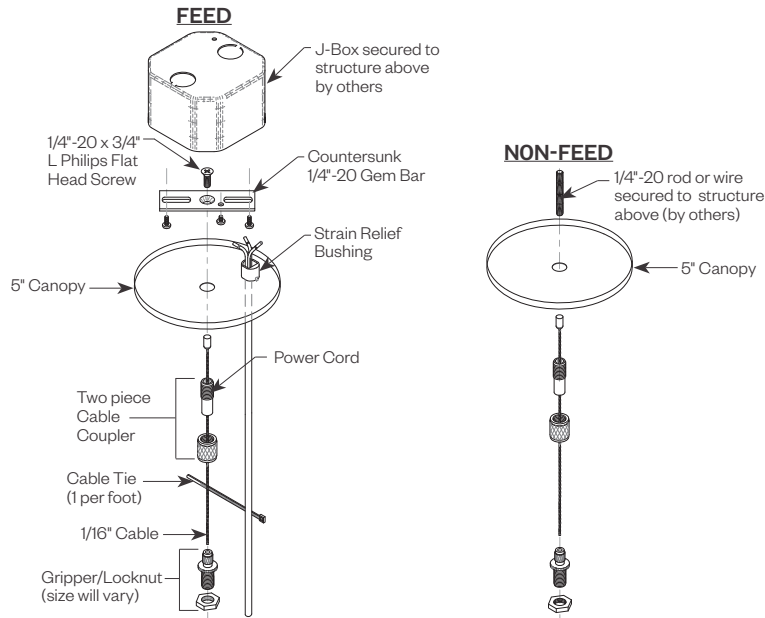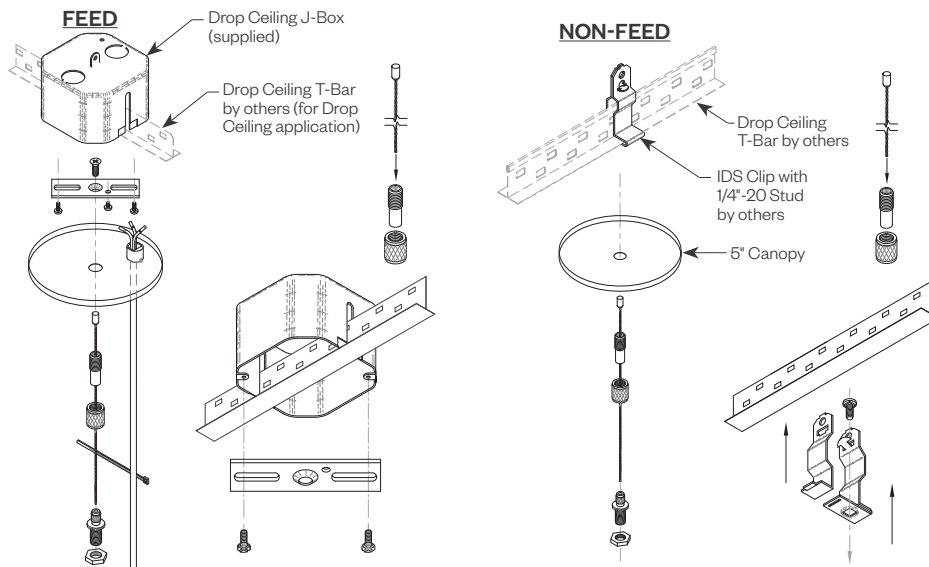System on the top of the extrusion.

Alignment
Brackets

Catch & Latch

PROJECT: **TYPE:**

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

FEED

J-Box secured to structure above by others

1/4"-20 x 3/4" L Philips Flat Head Screw

Countersunk 1/4"-20 Gem Bar

Strain Relief Bushing

5" Canopy

Power Cord

Two piece Cable Coupler

Cable Tie (1 per foot)

1/16" Cable

Gripper/Locknut (size will vary)

NON-FEED

1/4"-20 rod or wire secured to structure above (by others)

5" Canopy

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)*

FEED

Drop Ceiling J-Box (supplied)

Drop Ceiling T-Bar by others (for Drop Ceiling application)

NON-FEED

Drop Ceiling T-Bar by others

IDS Clip with 1/4"-20 Stud by others

5" Canopy

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PROJECT:	TYPE:

Optional Sensor/RF Node

Amerlux® has partnered with control companies to create building environments that are safer, and smarter, than ever before. At the heart of our partnership is intelligent RF nodes and Smart Sensor, the most advanced digital wireless communication and sensors available today. Integrated into Amerlux products.

Minimum run length is 3' for wireless sensor and RF node.

INDIVIDUAL (MIN 3' LENGTH)

Optional Sensor

RUNS

8' — 8'
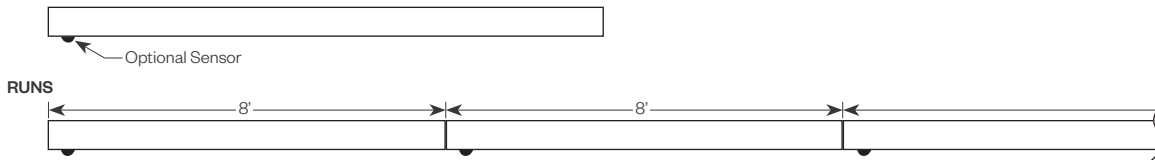
Note: Selecting the sensor option reduces the lit length by a nominal 6". Please refer to shop drawings for final dimensions.
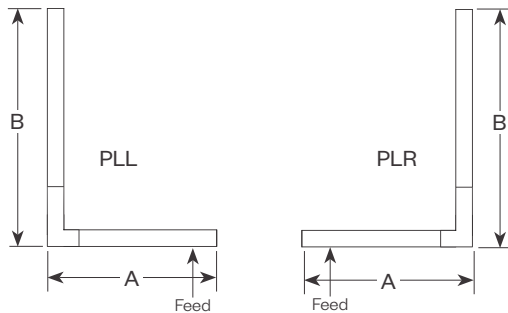
Patterns

Standard Patterns

All corners are standard 90°, standard length legs.
Continuous runs must be the same length in pairs for closed configuration.
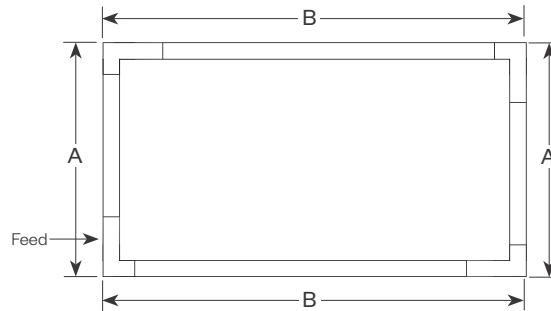Patterns may require blank plates at the ends, depending on length.

PLL | PLR

PLL - L Left, *(2)* straights + *(1)* 90° corner, leg right
PLR - L Right, *(2)* straights + *(1)* 90° corner, leg left
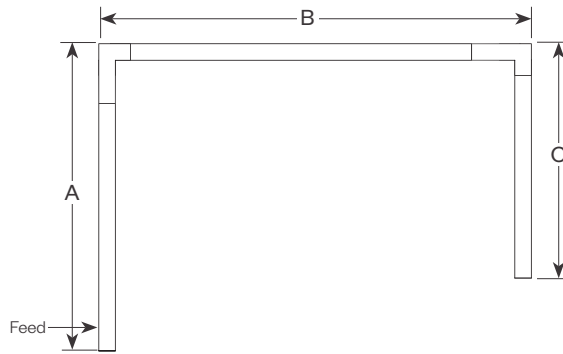Provide overall lengths: A' & B'
Nomenclature: A-B-PLL   A-B-PLR

PR - Closed Rectangle, *(4)* straight lengths + *(4)* 90° corners
Provide overall lengths: A' & B'
Nomenclature: A-B-PR

PU - Open U, *(3)* straight lengths + *(2)* 90° corners
Provide overall lengths: A', B' & C'
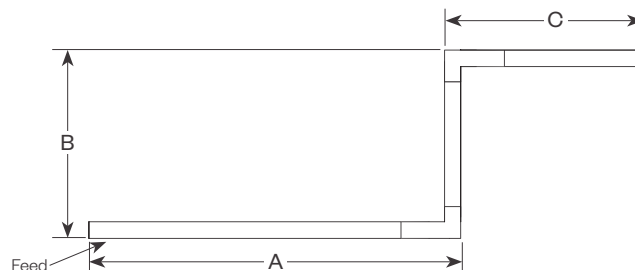Nomenclature: A-B-C-PU

PZ - Open Z, *(3)* straight lengths + *(2)* 90° corners
Provide overall lengths: A', B' & C'
Nomenclature: A-B-C-PZ

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COMFORT VUE
c o l l e c t i o n

Louver Direct

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PROJECT:	TYPE:

Performance Data

Multiplying Factors: *(Multiplying Factor is based on 3500K, 90CRI 120V IES file on website)*

Wattage:	3W	4W	5W	6W	7W	8W	9W	10W
Factor:	0.32	0.42	0.51	0.60	0.70	0.80	0.89	1.0

Louver:	White	Chrome
Factor:	1.03	1.01

Unified Glare Rating:

Louver:	Black	White	Chrome
UGR:	<5.2	<5.3	<5.3

Tested with 50° beam, 3500K, 90CRI, 10W/ft. UGR values calculated using UGR table method.

CCT:	2700K, 90CRI	3000K, 90CRI	3500K, 90CRI	4000K, 90CRI
Factor:	0.91	0.96	1.0	1.04

Spot 15°

Ordered Wattage/Ft	Black Louver			White Louver			Chrome Louver		
	Actual Wattage/Ft	Lumens per Ft	LPW	Actual Wattage/Ft	Lumens per Ft	LPW	Actual Wattage/Ft	Lumens per Ft	LPW
3	3.02	330	109	3.02	340	112	3.02	333	110
4	3.95	433	110	3.95	446	113	3.95	437	111
5	5.01	525	105	5.01	541	108	5.01	530	106
6	6.00	618	103	6.00	637	106	6.00	624	104
7	6.98	721	103	6.98	743	106	6.98	728	104
8	8.00	824	103	8.00	849	106	8.00	832	104
9	9.00	917	102	9.00	944	105	9.00	926	103
10	10.10	1030	102	9.98	1061	106	9.98	1040	104

Data is based on 3500K, 90+ CRI

LTL# 15922336.04
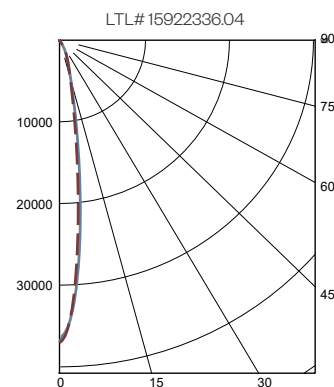
Polar Curve based on Black Louver, 10W/ft, 3500K, 90CRI

Flood 30°

Ordered Wattage/Ft	Black Louver			White Louver			Chrome Louver		
	Actual Wattage/Ft	Lumens per Ft	LPW	Actual Wattage/Ft	Lumens per Ft	LPW	Actual Wattage/Ft	Lumens per Ft	LPW
3	3.02	340	112	3.02	350	116	3.02	343	114
4	3.95	446	113	3.95	459	116	3.95	450	114
5	5.01	541	108	5.01	557	111	5.01	547	109
6	6.00	637	106	6.00	656	109	6.00	643	107
7	6.98	743	106	6.98	765	110	6.98	750	108
8	8.00	849	106	8.00	874	109	8.00	858	107
9	9.00	944	105	9.00	973	108	9.00	954	106
10	10.10	1061	105	9.98	1093	110	9.98	1072	107

Data is based on 3500K, 90+ CRI
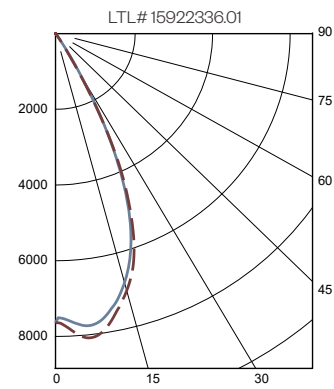
LTL# 15922336.05
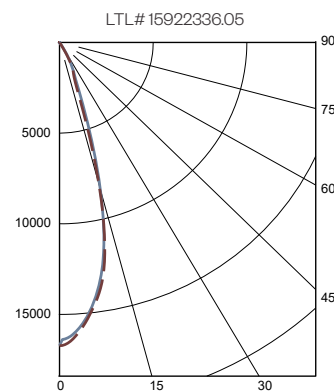
Polar Curve based on Black Louver, 10W/ft, 3500K, 90CRI

Wide Flood 50°

Ordered Wattage/Ft	Black Louver			White Louver			Chrome Louver		
	Actual Wattage/Ft	Lumens per Ft	LPW	Actual Wattage/Ft	Lumens per Ft	LPW	Actual Wattage/Ft	Lumens per Ft	LPW
3	3.02	330	109	3.02	368	122	3.02	362	120
4	3.95	433	110	3.95	483	122	3.95	475	120
5	5.01	525	105	5.01	587	117	5.01	577	115
6	6.00	618	103	6.00	691	115	6.00	679	113
7	6.98	721	103	6.98	806	115	6.98	792	113
8	8.00	824	103	8.00	921	115	8.00	905	113
9	9.00	917	102	9.00	1024	114	9.00	1007	112
10	10.10	1119	111	9.98	1151	115	9.98	1131	113

Data is based on 3500K, 90+ CRI

LTL# 15922336.01

Polar Curve based on Black Louver, 10W/ft, 3500K, 90CRI

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PROJECT:	TYPE:

Dimming Compatibility

Amerlux® Comfort Vue 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
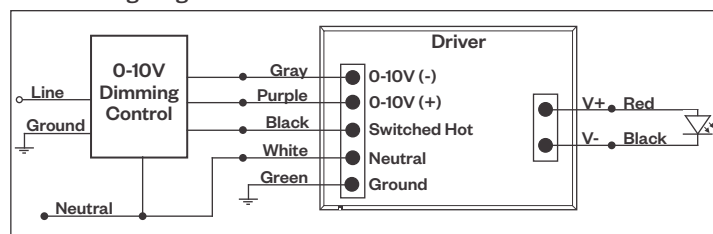
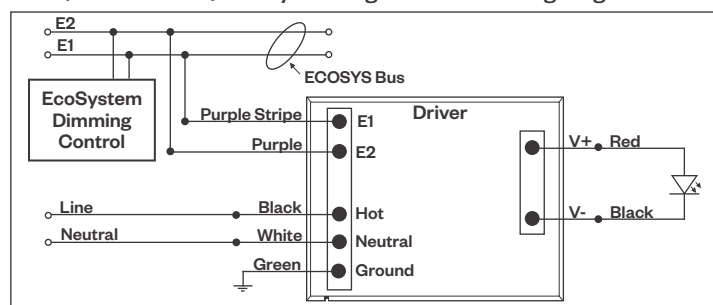| Compatible Dimmers†:			
Wall Box			**Central System**
Lutron:	Wattstopper:	Leviton:	Lutron Grafixk Eye with GRX-TV1 Interface
Diva - DVSTV	ADF-120277	Renoir II	
Maestro - MS-Z101			
Nova-T - NTSTV-DV			

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**

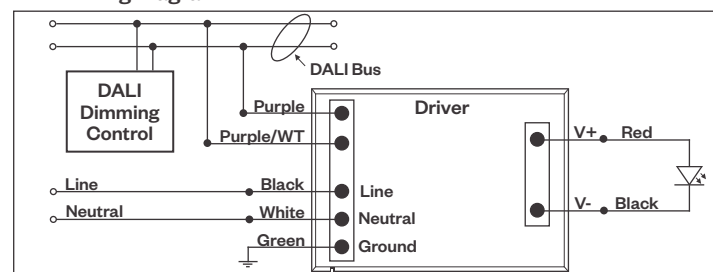| Compatible Dimmers†:	
Lutron ECO System	**Central System**
Pow Pak Dimming Modules	Lutron EcoSystem compatible controls
Energi Savr Node	
Grafik Eye QS/Homeworks	
QS Control Unit	
Quantum Hub	
Homeworks QS/My Room	

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

Compatible Dimmers†:	
Wall Box	**Central System**
Leviton CD250 Controller	Dynalite
	Fifth Light

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.

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PROJECT: **TYPE:**

Emergency Fixture with Built-In Battery Pack

Emergency fixture with built-in battery pack **(EMB)** wiring:
Note: EMB not available on lengths under 4'.

EMERGENCY DRIVER

EM Engage

Orange	Unswitched Hot
Black	Switched Hot
White	Neutral	V (+) Red
Green	Ground	V (−) Black
	Line Out

DRIVER

Black	Line
White	Neutral
Green	Ground	V (+)
		V (−)
Purple	0-10V (+)
Gray	0-10V (−)

0-10V Dimmer

FIXTURE

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