Kurba Grazer 3D™ Static White | Field Bendable 24V System

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by luminii

Features

Kurba Grazer 3D™ is a wall grazing, energy efficient and flexible LED strip suitable for wet locations capable of vertical/top bends down to 8" radius and Horizontal/side bends up down 16" radius . The silicone material offers excellent heat, weather, UV, and solvent resistance and has a special coating to repel dust and dirt accumulationn.

Applications
Outdoor wet location

Materials
Silicone for red list approved, as well as heat, weather, UV, and solvent resistance

Dimming
100% - 1% Dimming with compatible power supply

Average Life (L70)
50,000 hours

Approvals
24VDC Class 2 wet listed, IP67
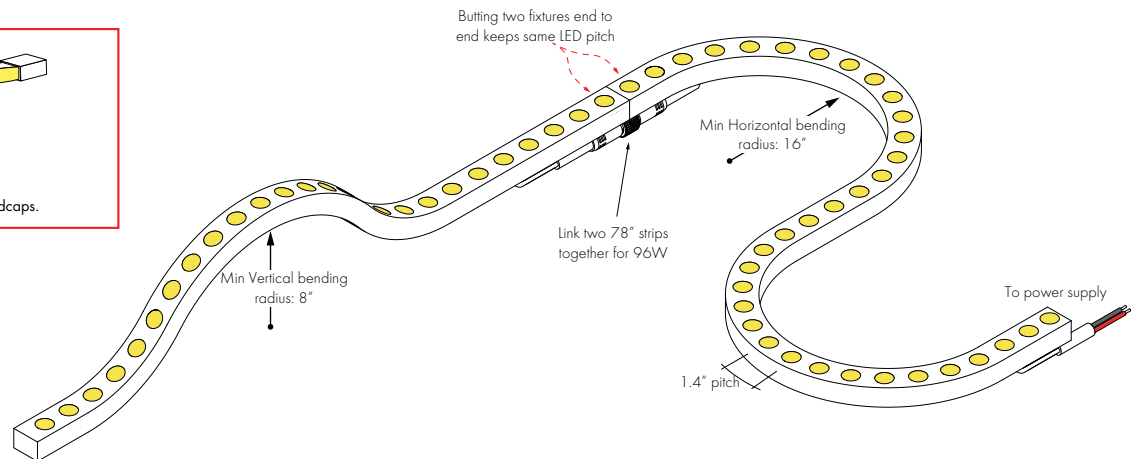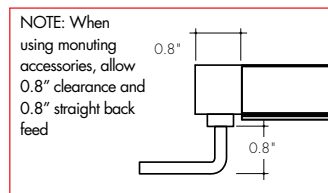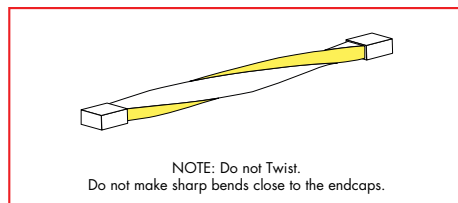
Warranty
5 years

Finish Options
☐ White ■ Black

RoHS Declare.
c(UL)us LISTED CE DIM IP67

1.38"
0.98"

Technical Information

Finish Option	White	Black
Output	9SO	9SO
Light Output at 3000K, 80 CRI	548 lm/ft	457 lm/ft
Average Power Consumption at 4'	7.32 W/ft	7.32 W/ft
Efficacy	75 lm/W	62 lm/W
Ordering Increment	9.84"	9.84"
Maximum Run Length (In Series)	156"	156"
Operating Temperature	-40˚F to 131˚F	-40˚F to 131˚F

CCT INFO / LUMEN MULTIPLIER
(ref. 3000K, 80 CRI, White Finish)

Bending Direction	3D	
Finish	White	Black
2700K	1.00	0.99
3000K	1.00	1.00
3500K	1.00	1.06
4000K	1.06	1.08
5700K	1.08	1.08

Constraints

NOTE: Do not Twist.
Do not make sharp bends close to the endcaps.

NOTE: When using monuting accessories, allow 0.8" clearance and 0.8" straight back feed
0.8"
0.8"

Butting two fixtures end to end keeps same LED pitch

Min Horizontal bending radius: 16"

Link two 78" strips together for 96W

Min Vertical bending radius: 8"

To power supply

1.4" pitch

Ordering Code

MODEL[1]	BEND DIRECTION	LENGTH	OUTPUT	CCT	CRI	LENS	MOUNTING	FINISH	FEED POSITION LEFT	FEED POSITION RIGHT

MODEL[1]	BEND DIRECTION	LENGTH	OUTPUT	CCT	CRI	LENS	MOUNTING	FINISH	FEED POSITION LEFT	FEED POSITION RIGHT
KBG-W - Kurba Grazer 3D™ Wet	3D - 3D Bending	SEE PCC CHART ON PAGE 4	9SO - Standard	27K - 2700K 30K - 3000K 35K - 3500K 40K - 4000K 57K - 5700K	R80 - 80CRI	20X20 - Grazer (20°) 20X30 - Elliptical Beam (20°x30°) 20X50 - Elliptical Beam (20°x50°)	NA - See Page 3 for orderable mounting accessories	WH - White BK - Black	**INJECTION MOLD[2]** IMB - Back Wire Feed[3] NPF - No Power Feed[4] **QUICK CONNECT** IMFB - Back Female QC[5] IMMB - Back Male QC[5] NPF - No Power Feed[4]	**INJECTION MOLD[2]** IMB - Back Wire Feed[3] NPF - No Power Feed[4] **QUICK CONNECT** IMFB - Back Female QC[5] IMMB - Back Male QC[5] NPF - No Power Feed[4]

Feeds come with 118" wire leads

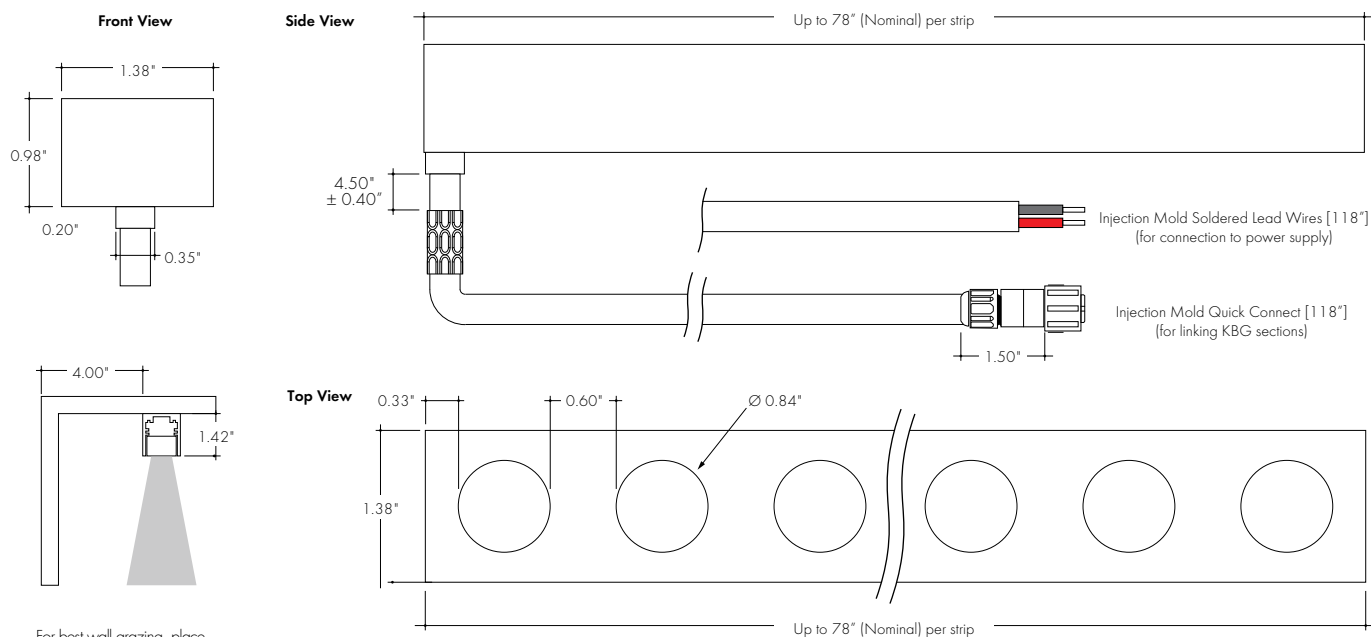1 - Please note, lead time is 8-10 weeks for KBG
2 - Injection Mold Soldered Wire Feeds (**IMB**) come with 118" wire leads
3 - Order **IMB** (Injection Mold Soldered Lead Wires) when connecting KBG to power supply.
4 - **NPF-NPF** for Feed Position 1&2 is not a valid configuration option
5 - Order **IMFB** (Female Q/C) and **IMMB** (Male Q/C) when joining multiple KBG fixtures together.
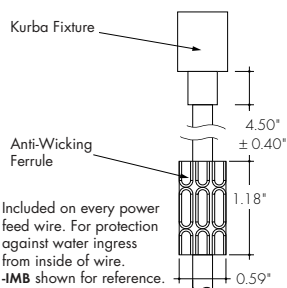
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Product Dimensions

Front View

1.38"
0.98"
0.20"
0.35"

Side View

Up to 78" (Nominal) per strip

4.50" ± 0.40"

Injection Mold Soldered Lead Wires [118"]
(for connection to power supply)

Injection Mold Quick Connect [118"]
(for linking KBG sections)

1.50"

4.00"
1.42"

Top View

0.33"   0.60"   Ø 0.84"

1.38"

Up to 78" (Nominal) per strip

For best wall grazing, place
fixture about 4" from wall.

<u>Note:</u> Each 78" Kurba Grazer 3D™ section is 48W. Two 78" Kurba Grazer 3D™ strips may be joined together in series up to 156" for a continuous run.

Linking and Extension Cable Options

ANTI-WICKING FERRULE
Included on every power feed wire

Kurba Fixture

4.50" ± 0.40"

Anti-Wicking Ferrule

Included on every power
feed wire. For protection
against water ingress
from inside of wire.
-IMB shown for reference.

1.18"

0.59"

POWER FEED OPTIONS
Feeds come wtih 118" wire leads

WH   BK

2 Conductor, 18 AWG
Injection Mold

2 Conductor Male
Quick Connect

2 Conductor Female
Quick Connect

Please note, Power Feed Finish will match Kurba Fixture Finish

Finish Options

• A wide variety of finish options allowing complete customization of style and aesthetic.

Basic Option

White
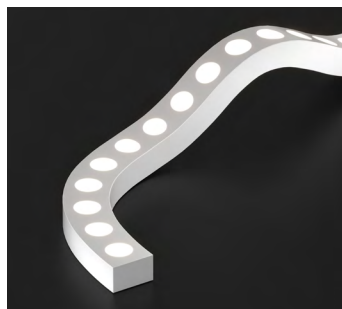
Kurba's base finish is a crisp white which brings
a timeless, clean aesthetic that brightens and
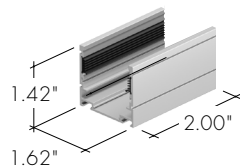enhances any space

Premium Option

Black

Black is a dark, pitch-black with a soft flat finish.
This finish brings a bold, modern look, adding a
touch of cosmic elegance to any space.

## Mounting Accessories and Optional Connectors

MC-KBG-SAP-SM-2-SA
KBG Mounting Channel, Serrated Aluminum Profile, Surface Mount, 2in x 1.4in tall. Silver Anodized

1.42"
2.00"
1.62"

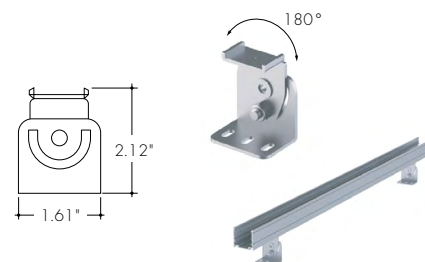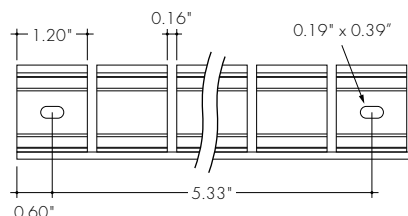Aluminum mounting channel providing grip. For use with light strip mounted to the ceiling.

MC-KBG-SAP-SM-78-SA
KBG Mounting Channel, Serrated Aluminum Profile, Surface Mount, 78in x 1.4in tall, Silver Anodized
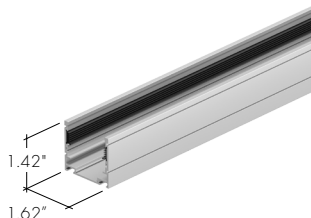
1.42"
1.62"

Aluminum mounting channel providing grip. For use with light strip mounted to the ceiling.

MB-KBG-ADJ-SS
KBG Adjustable Mounting Bracket, Stainless Steel, 180° of rotation

180°
2.12"
1.61"

Note: Rotation angle restricted if the bracket is applied to a bending extrusion profile. Recommended to only use on straight mounting channel for full rotation. 1 recommended every foot.

MC-KBG-BSAP-HB-SM-38-SA
KBG Mounting Channel, Bendable Serrated Aluminum Profile, Horizontal Bending, Surface Mount, 38in, Silver Anodized
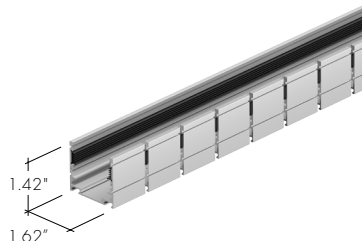
1.42"
1.62"

1.20"
0.16"
0.19" x 0.39"
5.33"
0.60"

Aluminum mounting channel providing grip. For use with light strip mounted to the ceiling.
**NOTE: HB -** Horizontal Bending Only

MC-KBG-BSAP-VB-SM-38-SA
KBG Mounting Channel, Bendable Serrated Aluminum Profile, Vertical Bending, Surface Mount, 38in, Silver Anodized

1.42"
1.62"

1.20"
0.16"
5.33"
0.60"
0.19" x 0.39"
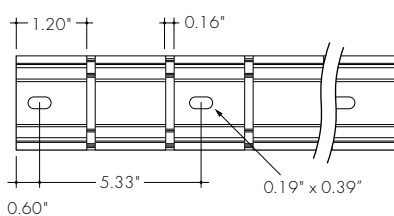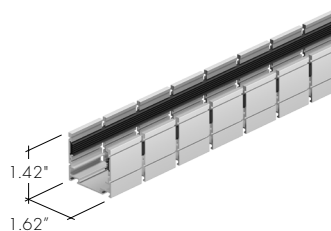
Aluminum mounting bracket providing grip. For use with light strip mounted to the ceiling.
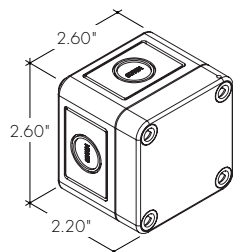**NOTE: VB -** Vertical Bending Only

MC-KBG-BGS-HB-78-SA
KBG Bendable Glare Shield, Horizontal Bending, 78in, Silver Anodized

0.21"
1.57"
2.99"
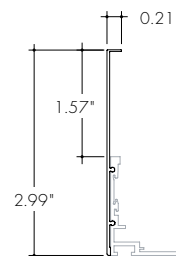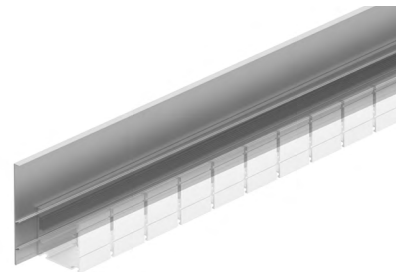
Attaches to Mounting profiles, cannot be used on its own. 24" bending radius.
NOTE: Not compatible with **VB** - Vertical Bending

LVSP-WET
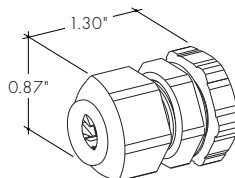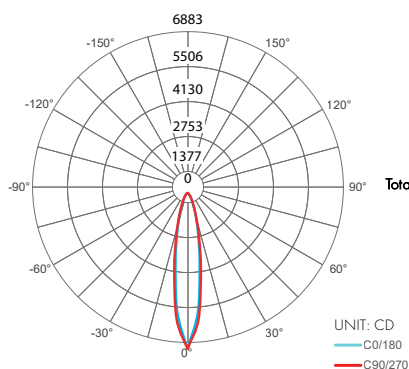Splice box: wet rated, low voltage, gray, IP66

2.60"
2.60"
2.20"

LVSP-WET-CM
Connector for splice box, low voltage for cable management, gray

1.30"
0.87"

Photometry
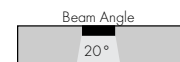
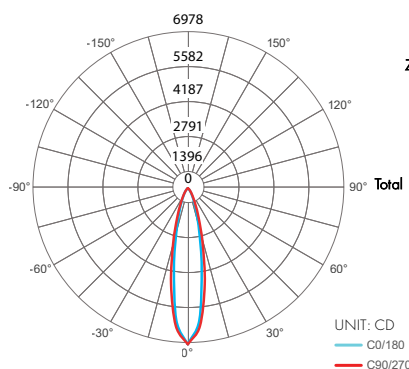KBG-W-3D-48-9SO-30K-20X20-NA-WH
Kurba Grazer 3D, 4ft, 3000K, 20° Grazer Lens

Zonal Lumen Summary 3000K

Zone	Lumen	% Fixture
0-30	574	26.2%
0-40	789	36.0%
0-60	1666	76.0%
0-90	2168	98.9%
Total 0-180	2192	100.0%

Beam Angle

20°

UNIT: CD
— C0/180
— C90/270

KBG-W-3D-48-9SO-30K-20X30-NA-WH
Kurba Grazer 3D, 4ft, 3000K, 20°X30° Elliptical Lens

Zonal Lumen Summary 3000K

Zone	Lumen	% Fixture
0-30	1584	72.3%
0-40	1749	79.8%
0-60	2076	94.7%
0-90	2179	99.4%
Total 0-180	2192	100.0%

Axial Beam Angle

21°

Transversal Beam Angle

29°

UNIT: CD
— C0/180
— C90/270

KBG-W-3D-48-9SO-30K-20X50-NA-WH
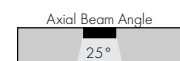Kurba Grazer 3D, 4ft, 3000K, 20°X50° Elliptical Lens
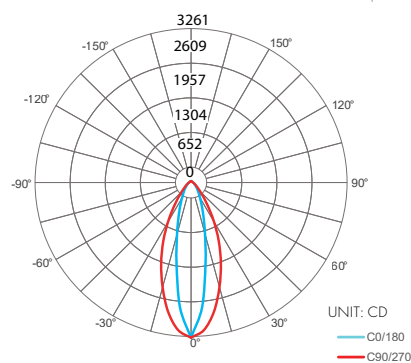
Zonal Lumen Summary 3000K

Zone	Lumen	% Fixture
0-30	1291	58.9%
0-40	1521	69.4%
0-60	2025	92.4%
0-90	2179	99.4%
Total 0-180	2192	100.0%

Axial Beam Angle

25°

Transversal Beam Angle

47°

UNIT: CD
— C0/180
— C90/270

## 9SO | Power Consumption Per Fixture Length

Based on operation with PDCU series of power supplies. Use Acutal Length for Order Code Entry.
Tolerance for Actual Lengths less than 6 ft is +/- 0.2", Actual Lengths between 6 ft and 16 ft is +/- 0.3", and Actual Lengths greater than 16 ft is +/- 0.6"
A - Back Connector at one end of Kurba and No Connector at other end of Kurba (0.16" + 0.08" added to overall length)
B - Back Connector at both ends of Kurba (0.20" + 0.20" added to overall length)

Nominal Length (in)	W	Actual Length (in) A	Actual Length (in) B
10	6.1	10.1	10.2
20	12.1	19.9	20.0
30	24.4	29.8	29.8
40	24.2	39.6	39.7
50	30.2	49.5	49.5
60	36.2	59.3	59.4
69	42.2	69.1	69.2
78	48.2	79.0	79.1
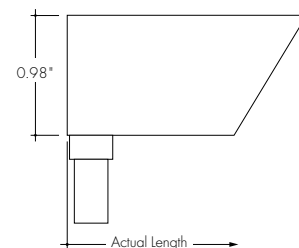
0.98"

Actual Length

Power Supplies

See Power Supply instructions and spec sheet for wiring information. For a complete list of compatible dimmers, see Compatible Dimming Chart on the Resources page.
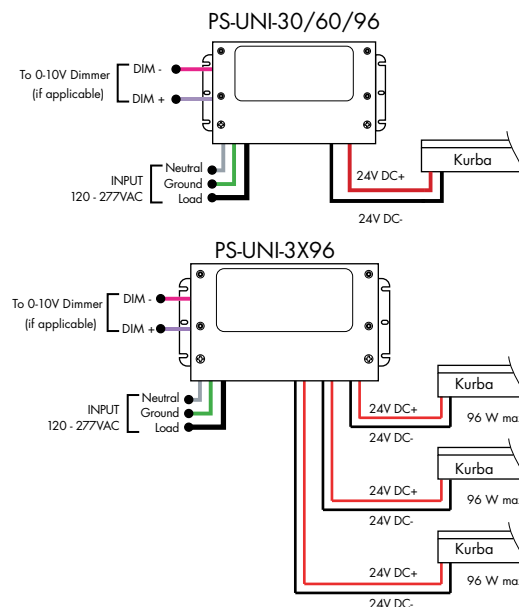
For use with Static White

Ordering Code - Universal Dimming Power Supplies 0.1% 120VAC - 277VAC

MODEL	INPUT CONTROL	WATTAGE	OUTPUT
PS - Power Supply, 120-277VAC	UNI - 0-10V Dimming (0.1%), Phase Dimming (0.1%)	30 - 30 Watts 60 - 60 Watts 96 - 96 Watts 3x96 - 3x96 Watts	24 - 24 VDC

Compatibility: View a complete list of compatible dimmers on the PS-UNI product page.

0-10V - 0.1% dimming
MLV/ELV/TRIAC - 0.1% dimming, consult dimming compatibility chart

PS-UNI-30/60/96

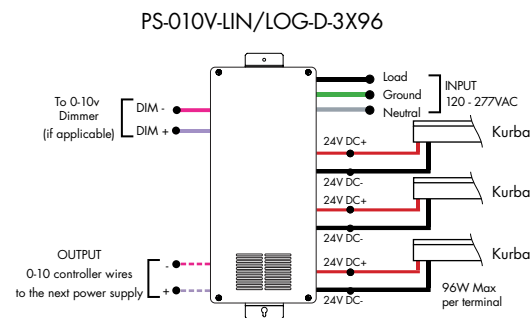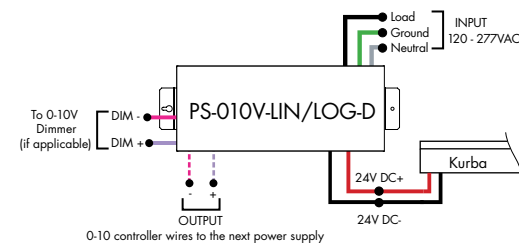| MODELS	PS-UNI-30W	PS-UNI-60W	PS-UNI-96W	PS-UNI-3X96W
Length	6.50"	7.40"	8.66"	11.85"
Width	3.73"	3.73"	3.73"	4.32"
Depth	1.61"	1.61"	1.61"	1.81"

PS-UNI-3X96

For use with Static White

Ordering Code - 0-10V Dimming Power Supplies 0.1% 120VAC - 277VAC

MODEL	INPUT CONTROL	ENVIRONMENT	WATTAGE	OUTPUT
PS - Power Supply, 120-277VAC	010V-LIN - 0-10V Dimming (0.1%), Linear 010V-LOG - 0-10V Dimming (0.1%), Logarithmic	D - Dry	96 - 96 Watts 3x96 - 3x96 Watts	24 - 24 VDC

PS-010V-LIN/LOG-D

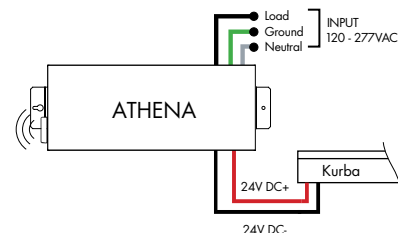| MODELS	96W	3X96
Length	14.40"	15.00"
Width	5.20"	6.62"
Depth	2.60"	4.45"

PS-010V-LIN/LOG-D-3X96

Power Supplies

See Power Supply instructions and spec sheet for wiring information. For a complete list of compatible dimmers, see Compatible Dimming Chart on the Resources page.

For use with Static White

Ordering Code - Athena 0-10V LED Driver

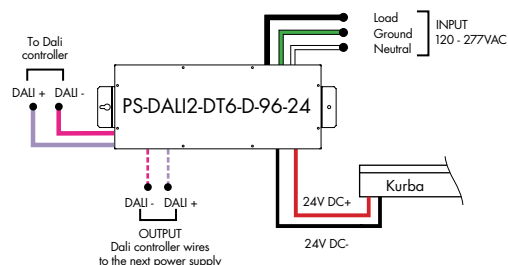| MODEL	INPUT CONTROL	ENVIRONMENT	WATTAGE	OUTPUT	FEATURE
PS - Power Supply, 120-277VAC	010V-LIN - 0-10V Dimming (0.1%), Linear 010V-LOG - 0-10V Dimming (0.1%), Logarithmic	D - Dry	96 - 96 Watts	24 - 24 VDC	AWNR - Athena

MODELS	96W
Length	14.40"
Width	5.20"
Depth	2.60"

For use with Static White

Ordering Code - DALI 2 Dimming Power Supplies 0.1% 120VAC - 277VAC

MODEL	INPUT CONTROL	ENVIRONMENT	WATTAGE	OUTPUT
PS - Power Supply, 120-277VAC	DALI2-DT6 - DALI2 DT6 (0.1%)	D - Dry	96 - 96 Watts	24 - 24 VDC

Model	96W
Length	14.40"
Width	5.20"
Depth	2.60"

For use with Static White

Ordering Code - DALI Dimming Power Supplies 0.1% 120VAC - 277VAC

MODEL	INPUT CONTROL	ENVIRONMENT	WATTAGE	OUTPUT
PS - Power Supply, 120-277VAC	DALI - DALI (0.1%)	D - Dry	96 - 96 Watts 3x96 - 3x96 Watts	24 - 24 VDC
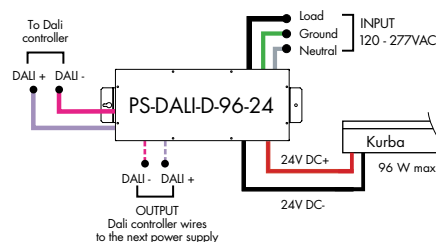
Model	96W	3X96
Length	14.40"	15.00"
Width	5.20"	6.62"
Depth	2.60"	4.56"

PS-DALI-D-3X96-24

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Power Supplies

See Power Supply instructions and spec sheet for wiring information. For a complete list of compatible dimmers, see Compatible Dimming Chart on the Resources page.
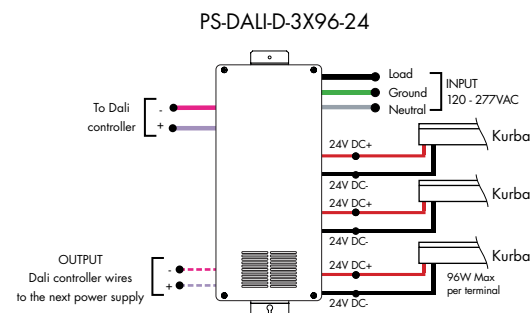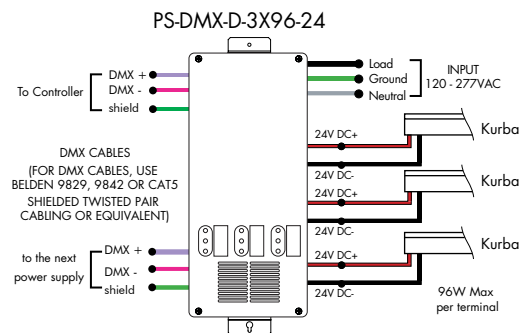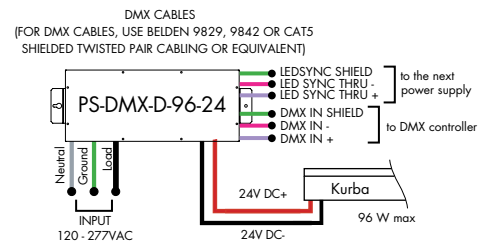
For use with Static White

Ordering Code - DMX Dimming Power Supplies 0.1% 120VAC - 277VAC

MODEL		INPUT CONTROL		ENVIRONMENT		WATTAGE		OUTPUT
PS - Power Supply, 120-277VAC	-	DMX - DMX (0.1%)	-	D - Dry	-	96 - 96 Watts 3x96 - 3x96 Watts	-	24 - 24 VDC

MODELS	96W	3X96
Length	14.40"	15.00"
Width	5.20"	6.62"
Depth	2.60"	4.56"

ZONAL CONTROL POWER SUPPLIES.
CONTROL MULTIPLE TAPES/ZONES USING DMX CHANNELS.

DMX CABLES
(FOR DMX CABLES, USE BELDEN 9829, 9842 OR CAT5 SHIELDED TWISTED PAIR CABLING OR EQUIVALENT)

PS-DMX-D-96-24

PS-DMX-D-3X96-24

For use with Static White

Ordering Code - Non-Dimming Power Supply, 120VAC - 277VAC

MODEL		INPUT CONTROL		ENVIRONMENT		WATTAGE		OUTPUT
PS - Power Supply, 120-277VAC	-	ND - Non Dimming	-	D - Dry	-	96 - 96 Watts	-	24 - 24 VDC

MODELS	96W
Length	14.40"
Width	5.20"
Depth	2.60"

PS-ND-D-96-24
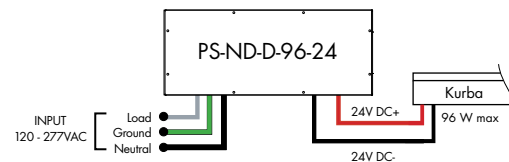
For use with Static White

Ordering Code - In-Ground Power Supplies

MODEL		INPUT CONTROL		ENVIRONMENT		WATTAGE		OUTPUT
PS120 - Power Supply, 120VAC PS240 - Power Supply, 240VAC PS277 - Power Supply, 277VAC	-	ELV - ELV Dimming (1%)	-	IG - In Ground	-	2X96 - 2X96 Watts	-	24 - 24 VDC

MODELS	2X96W
Length	8.40"
Width	8.30"
Depth	8.10"
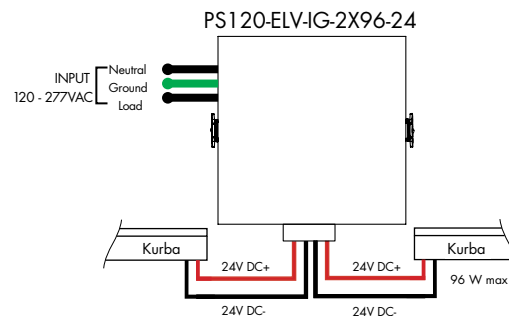
PS120-ELV-IG-2X96-24

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Power Supplies

See Power Supply instructions and spec sheet for wiring information. For a complete list of compatible dimmers, see Compatible Dimming Chart on the Resources page.
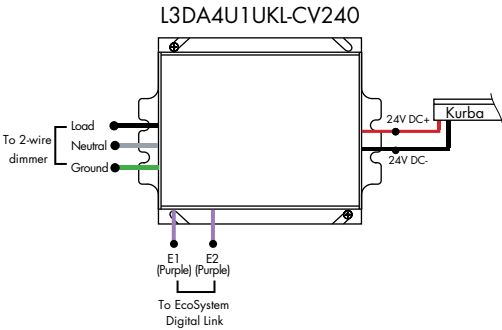
LUTRON®

Luminii is a Lutron OEM Advantage Partner
Lutron Power Supplies 1%

MODEL

L3DA4U1UKL-CV240

Hi-lume™ 1% EcoSystem Voltage LED driver
40W max

MODELS	L3DA4U1UKL-CV240
Length	4.98"
Width	4.00"
Depth	2.62"

L3DA4U1UKL-CV240

To 2-wire dimmer — Load, Neutral, Ground
24V DC+ / 24V DC- — Kurba
E1 (Purple) E2 (Purple)
To EcoSystem Digital Link

LUTRON®

Luminii is a Lutron OEM Advantage Partner
Lutron Power Supplies 0.1%

MODEL

L3D0-96W24V-U

Hi-lume™ 0.1% EcoSystem Voltage LED Driver with Soft-On, Fade-to-Black™
96W max

MODELS	L3D0
Length	10.50"
Width	5.50"
Depth	2.00"

To EcoSystem Digital Link — E1 (Purple), E2 (Purple)
Load, Neutral, Ground — INPUT 120 - 277VAC
L3D0-96W24V-U
24V DC+ / 24V DC- — Kurba 96 W max