Grüv® 6" High Efficiency
Recessed Linear LED

amerlux

PROJECT:	TYPE:

## Features

Designed to provide high-performance, visually comfortable, high efficient ambient lighting with a 6" aperture for commercial and office environments. Featuring improved extruded aluminum and steel construction, superb aesthetics, lower costs and shorter lead times. Grüv 6 HE is more effective and aesthetically appealing than many recessed linear fixtures available today. Offering 5 or 10 watts per foot standard. Available for gyp board or grid ceilings *(TechZone compatible)*.
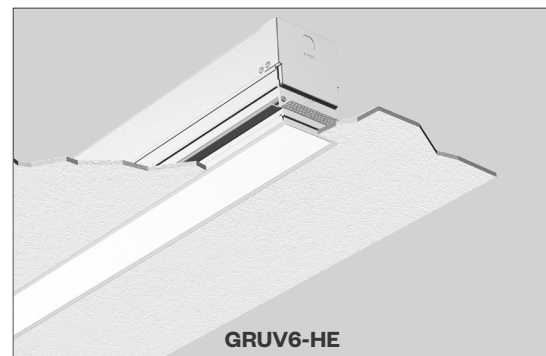
GRUV6-HE

Product Overview

Type:	Recessed Linear, Direct
Wattage:	5W/ft, 10W/ft *(other wattages available see p2)*
Color Temp:	2700K, 3000K, 3500K, 4000K; Tunable White *(2700K-5700K)*
CRI:	83 or 90+ typ. *(2700K, 3000K, 3500K, 4000K)*
	90+ *(Tunable White)*

	Static White	Tunable White
Dimming *(wired)*:	0-10V, 1% dimming *(standard)*	0-10V TW, 1% dimming
	Lutron LDE1 Hi-lume® 1% Dim Soft-On/Fade-to-Black	DALI DT8, 1% digital dimming
	DALI dimming, 1% dim	
Dimming *(wireless)*:	Lutron Athena *(integral wireless RF node)*	Lutron Athena TW *(integral wireless RF node)*
	BubblyNet Bluetooth	

Certifications

CSA c US | 5 year limited warranty AMERLUX LED | TW

Fixture Summary

Ceiling Types

4" Tech Zone	6" Tech Zone	9/16"	15/16" *	Gyp Board	Millwork	Perimeter J-Mold
No	Yes	Yes	Yes	Yes	Yes	Yes

* Flange Grid (GRUV6-HE-FLG-GRID) model only.

Performance Data *(4' Fixture)*

Nominal Wattage/Foot	Delivered Lumens	LPW	Color Temp-CRI
5	2320	128.7	3500K-83
10	4490	125.1	3500K-83

Data is based on 4' fixture with Performance lens, 3500K, 83CRI IES files available on website.

Electrical Data

Wattage/Foot	Voltage	4' System Watts	4' Amps	8' System Watts	8' Amps
5	120V	18	0.15	36	0.30
5	277V	18	0.07	36	0.13
10	120V	35.9	0.30	71.8	0.60
10	277V	35.9	0.13	71.8	0.26

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

Standard Patterns

L	J	U	□	ꓶ	Wall to Ceiling	Custom*
Yes	Yes	Yes	Yes	Yes	No	Yes

* Submit drawing, consult factory

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PROJECT:	TYPE:

Ordering Information

_____ . _____ . _____ . _____ . **HW** . **120/277** . _____ . _____ . _____ . _____

[1]   [2] [3]   [4]   [5] [6]   [7]   [8]   [9]   [10]

1 Model
GRUV6-HE-FLG-A16† exposed flange
GRUV6-HE-FLG-GRID-A16† exposed flange grid mount
GRUV6-HE-GB-A16† gyp board trimless mud-in
GRUV6-HE-GRID-A16† grid mount
GRUV6-HE-IS-A16† independently suspended, millwork
GRUV6-HE-J/GB-A16† j-mold/gyp board trimless
GRUV6-HE-J/GRID-A16† j-mold/grid
GRUV6-HE-J/IS-A16† j-mold/independently suspended

2 Optics
PL performance lens *(standard)*
DL designer lens

3 Wattage *(per foot)*

Standard	Optional
5 5W/ft	**3** 3W/ft*
10 10W/ft	**4** 4W/ft*
	6 6W/ft
	7 7W/ft
	8 8W/ft
	9 9W/ft

* 4' min. length required

4 Color Temp-CRI
Static White

27 2700K-83	**279** 2700K-90+
30 3000K-83	**309** 3000K-90+
35 3500K-83	**359** 3500K-90+
40 4000K-83	**409** 4000K-90+

Tunable White
TW9-2757 tunable white, 90CRI
(2700K-5700K)

5 Finish
HW high reflectance matte white

6 Voltage
120/277

7 Length

Length A	Length B	Length C
- all patterns	- all patterns	- PU
- IND/IND-S+	- PR (2 lengths of 2)	- PZ
- CON/CON-S+		
- CUS		

_____ X _____ X _____

8 Configuration
IND¹ individual fixture, 2' to 8' in 1' increments
IND-S+ individual with standard plus *(see pg 8 for GRID or J/GRID only)*
CON continuous run > than 8', specify to nearest foot
CON-S+ continuous run with standard plus
(see pg 8 for GRID or J/GRID only)
CUS custom made to measure, ± 1/8" of customer supplied field dimensions

<u>Standard Patterns</u> *(see pg 8 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
PWC wall to ceiling *(1)* 90° corner joining *(2)* segments
For custom patterns, submit an EDR on amerlux.com

9 Drivers/Controls
<u>Wired - Static White</u>
0-10V 1% analogue dimming, 120-277VAC, dim to off when selected with wireless dimming control
HILUME-H-ECO Lutron LDE1 Hi-lume® 1% dim Soft-On/Fade-to-Black
DALI DALI dimming 120-277VAC, 1% dim
<u>Wired - Tunable White</u>
0-10V-TW 1% dimming, multi-volt *(120V-277V)* constant current
DALI-DT8 1% digital dimming, CCT control per DALI DT8 *(120V-277V)* constant current
<u>Wireless - Static White</u>
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, DALI-2 DT8
BN-BT-OCC-WH-010 BubblyNet Bluetooth node, Occupancy & Daylight sensor, white, 0-10V
<u>Wireless - Tunable White</u>
AWNR-WH-SR-TW Lutron Athena wireless node, RF only, white, D4i/DALI-2
AWNR-BL-SR-TW Lutron Athena wireless node, RF only, black, D4i/DALI-2
AWNR-OCC-WH-SR-TW Lutron Athena wireless node, Occupancy & Daylight sensor, white, D4i/DALI-2
AWNR-OCC-BL-SR-TW Lutron Athena wireless node, Occupancy & Daylight sensor, black, D4i/DALI-2

10 Options/Accessories
CP Chicago Plenum *(CCEA)*
WHIP 6' whip, 18/5 conductor
EMC-PF² emergency circuit requires power feed located in last fixture section *(for other locations consult factory)*
PF² extra power feed for additional circuiting
EMB emergency battery pack *(not available for lengths under 4')*

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† The "A" refers to the sequential revision in a year and "XX" refers to the year of update. Updates coincide with improved performance while not changing the overall fixture aesthetic and are reflected in the published performance data. Please contact your Amerlux representative for explanations of changes.

‡ DLC listed *(4W fixture in 4', 5', 6', 7', 8' and runs to the neares whole foot)*

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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Amerlux reserves the right to change details that do not affect overall function and performance.
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PROJECT: **TYPE:**

Specifications

Application

Commercial and retail recessed ambient lighting can be customized with made to measure lengths, patterns, ceilings or wall mounted fixtures.

Construction

Heavy gauge steel upper housing is secured to aluminum extruded trim rails. Die-formed, cold-rolled steel internal components and external mounting brackets. Numerous configurations accommodate most architectural ceiling conditions.

Optical

All lenses are snap-in, extruded acrylic, with a maximum length of 8'.
Amerlux's proprietary acrylic lens provide excellent transmission while effectively concealing source image.

PL - Performance Lens provides high efficiency with controlled lens surface brightness *(standard)*.

DL - Designer Lens provides flat even glow on lens. Best when lens is in direct or constant view. Such as vertical wall mounted.

SLD - Straight blade Louver Direct has ½" high blades ½" on center with overlay. Available in white aluminum (light gray, appears white when lit), black or silver

LED

Amerlux's boards and patented connector design with brand name LEDs enables Amerlux fixtures to 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.

	Static White	Tunable White
CCT:	2700K, 3000K, 3500K, 4000K	2700K-5700K
CRI:	83 or 90+ typical	90+ *(92 typ)*
R9:	16 @ CRI 83; >50 @ CRI 90+	>50

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

Electrical

Wiring: Supply wires are easily accessible through access plate on top of fixture.
WHIP: Optional factory installed 6' Greenfield whip *(18/5 conductor)* simplifies installation.
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 4')*. 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 damage is not covered under warranty.

EMC-PF - Emergency circuit requires power feed wire harness 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 wire harness for additional circuiting. Not available for individual *(IND)* configuration.

Finish

HW - High reflectance, matte white powder coat paint. Baked on finish for maximum durability and color stability.

Configurations/Lengths

IND - Individual fixtures are made of single standard lengths of 2 ft to 8 ft *(in 1' increments)*. 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', specified to nearest whole foot length in 1' increments. 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 with "catch and latch" mechanisms out of sight, on top of the Housing. Wiring is made fast and positive with molded quick connectors.

S+ - Standard Plus is a field cuttable filler bracket that can be used when an Individual fixture or a Continuous run isn't to the nearest foot *(+3/4" to 6" max per end)*. See page 7 for details.

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.

PXX - Standard Patterns consist of 90º corners with standard lengths *(4' to 8' in 1' increments)*, 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'
A'-B'-PWC - Wall to Ceiling - 90º joining bracket. Specify overall segments: A' & B'
See page 8 for layouts.
Please note: Corners have lit mitered Lens.
For custom patterns, submit an EDR on amerlux.com

Mounting

Intended for use in gypsum board, 9/16" Tee grid or Screw Slot, 15/16" Tee grid and millwork ceilings. Wall mounting J-Molding details available. For individual, continuous row, or pattern applications.
Please note - fixtures to be installed before gypsum board ceiling.
GRUV6-HE-FLG-A16 - exposed flange, fixture into gyp board ceiling
GRUV6-HE-FLG-GRID-A16 - exposed flange grid mount, fixture into 9/16" or 15/16" Tee ceilings
GRUV6-HE-GB-A16 - gyp trimless mud, fixture plastered into gypsum board ceiling
GRUV6-HE-GRID-A16 - grid mount, in 9/16" Screw Slot or Flat Tee ceilings
GRUV6-HE-IS-A16 -independently suspended, fixture in wood ceiling
GRUV6-HE-J/GB-A16 - J mold/gyp trimless, plastered in ceiling - J Channel wall side
GRUV6-HE-J/GRID-A16 - J mold/grid, in 9/16" Screw Slot or Flat Tee ceilings - J Channel wall side
GRUV6-HE-J-IS-A16 - J mold/independently suspended in ceiling - J Channel wall side

Options

EMB - Emergency battery pack - 10W output power, 90 min of illumination time, up to 1300 lm of initial light output. Illuminated test-switch/charging indicator light is provided. Wattage consumption by EM: 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.

Certifications

Approved to UL standards for damp locations as tested by CSA.
Intended for indoor use only
Chicago Plenum *(CCEA)* optional.
IC rated

Warranty

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

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Grüv® 6" High Efficiency
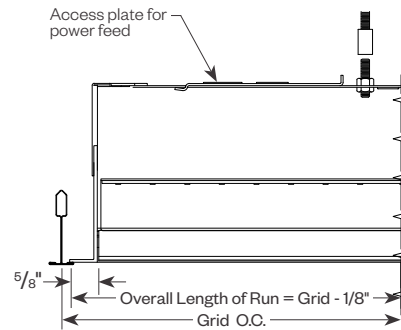## Recessed Linear LED
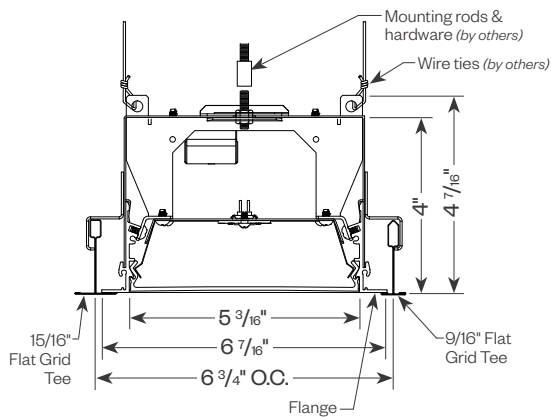
PROJECT:	TYPE:

Product Details

GRUV6-HE-FLG *(exposed flange)*
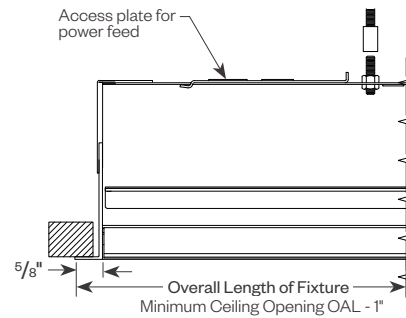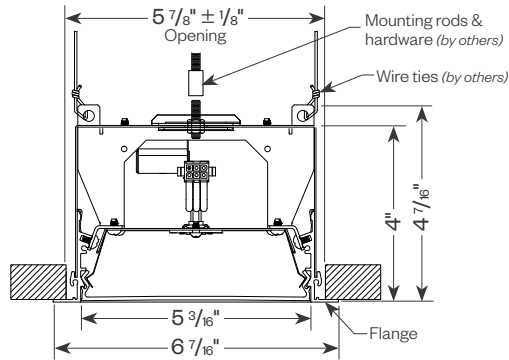
GRUV6-HE-FLG-GRID *(flange, grid mount)*

GRUV6-HE-GB *(gyp board trimless mud-in)*

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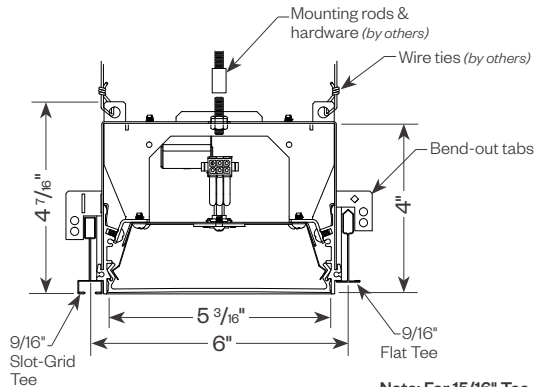amerlux

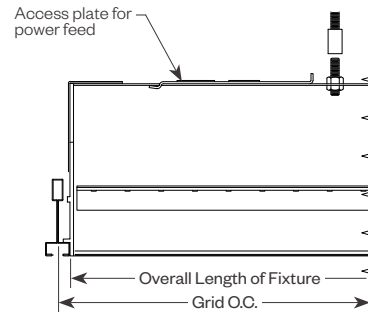| PROJECT:	TYPE:

Product Details (continued)

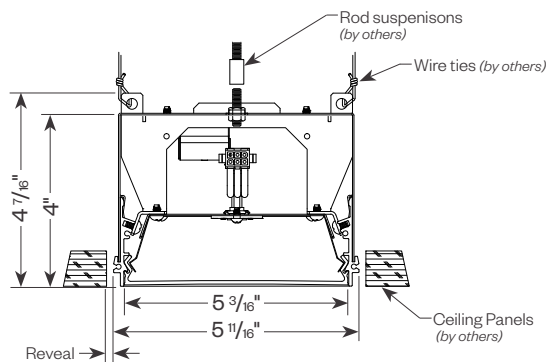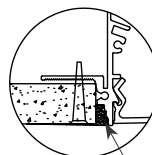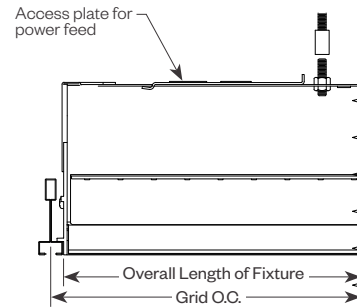**GRUV6-HE-GRID** (grid mount)   ⊞ Compatible (see pg 7)   **6" TechZone compatible**   ⊞ STANDARD PLUS

Mounting rods & hardware (by others)
Wire ties (by others)
Bend-out tabs
4 7/16"
4"
5 3/16"
6"
9/16" Slot-Grid Tee
9/16" Flat Tee

Note: For 15/16" Tee, consult factory

Access plate for power feed
Overall Length of Fixture
Grid O.C.

GRUV6-HE-IS (independently suspended)

Rod suspensions (by others)
Wire ties (by others)
4 7/16"
4"
5 3/16"
5 11/16"
Reveal
Ceiling Panels (by others)

Access plate for power feed
Overall Length of Fixture
1/8"
Reveal
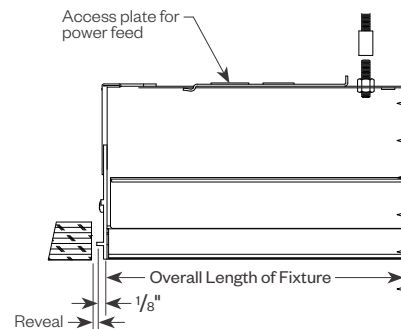
GRUV6-HE-J/GB (j-mold/gyp board trimless)

Rod suspensions (by others)
Wire ties (by others)
5 3/4"
4 7/16"
4"
5 3/16"
5 11/16"
5/8"
3/8"
1 11/16"
1"
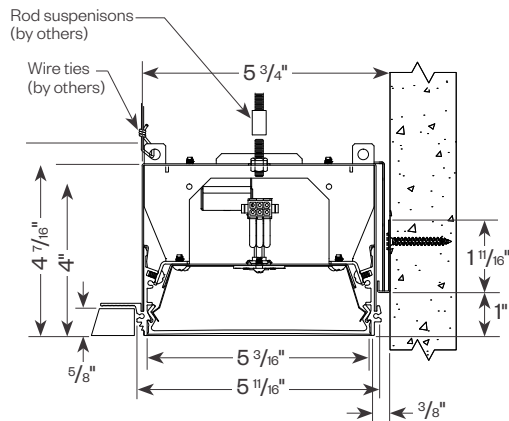
Ceiling contractor to spackle, feather and sand at ceiling interface.
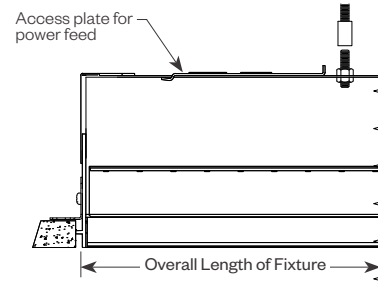
Access plate for power feed
Overall Length of Fixture

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Grüv® 6" High Efficiency

Recessed Linear LED

amerlux

PROJECT: **TYPE:**

Product Details *(continued)*

GRUV6-HE-J/GRID *(j-mold/grid mount)*   ⊞ Compatible *(see pg 7)*   ⊞ **STANDARD PLUS**

Wire ties *(by others)*
Bend-out tab
Rod suspenisons *(by others)*
Access plate for power feed
4 7/16"
4"
1 11/16"
1"
5 3/16"
5 11/16"
9/16" Slot-Grid Tee
9/16" Flat Tee
3/8"
Overall Length of Fixture
Grid O.C.
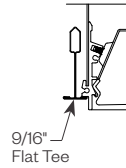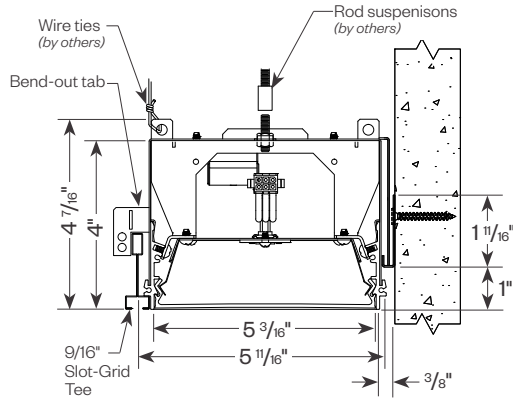
GRUV6-HE-J/IS *(j-mold/independently suspended)*

Rod suspenisons *(by others)*
Wire ties *(by others)*
Access plate for power feed
4 7/16"
4"
5 3/4"
1 11/16"
1"
5 3/16"
5 11/16"
Reveal
Ceiling Panel *(by others)*
3/8"
Overall Length of Fixture
1/8"
Reveal

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Grüv® 6" High Efficiency
Recessed Linear LED

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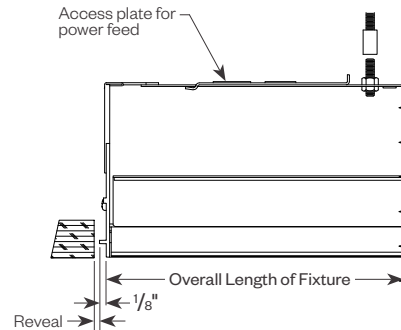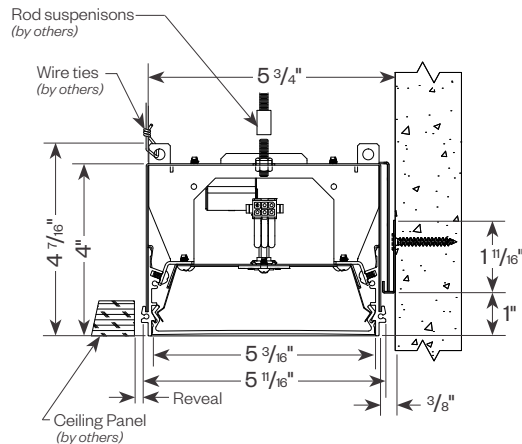
PROJECT:	TYPE:

STANDARD PLUS

STANDARD PLUS (FILLER):

Whenever a continuous run is less than a foot to the next full foot length consider ordering Standard Plus field cuttable bracket for a perfect look. Fits 9/16" Slot Grid and 9/16" T grid. It snaps in place easily from below and gets you close to the wall with a standard fixture. Saves time and money compared to made-to-measure. *(max length: 6")*
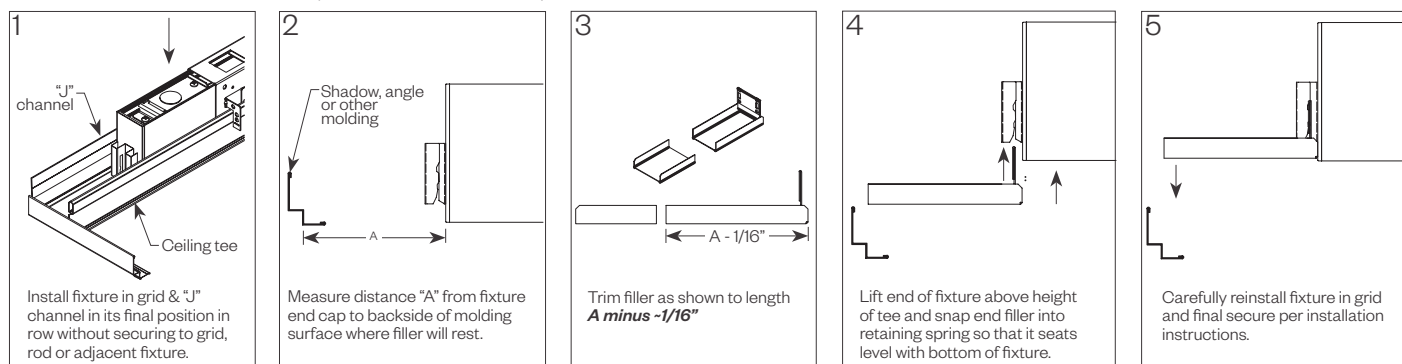
GRID VERSION
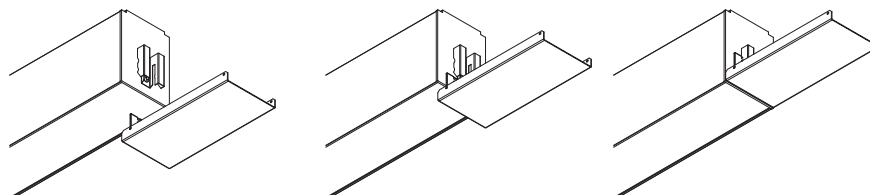
NOTE: Use with GRUV6-HE-Grid and GRUV6-HE-J/Grid

FILLER TRIM AND INSTALLATION *(GRUV 1.5 GRID SHOWN HERE)*

1	2	3	4	5
"J" channel — Ceiling tee. Install fixture in grid & "J" channel in its final position in row without securing to grid, rod or adjacent fixture.	Shadow, angle or other molding — A. Measure distance "A" from fixture end cap to backside of molding surface where filler will rest.	A - 1/16". Trim filler as shown to length **A minus ~1/16"**	Lift end of fixture above height of tee and snap end filler into retaining spring so that it seats level with bottom of fixture.	Carefully reinstall fixture in grid and final secure per installation instructions.

Toolless Joining

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

Fixtures wired together with quick connectors

Catch

Latch — Alignment Pins

#8-32 screws

Catch & Latch
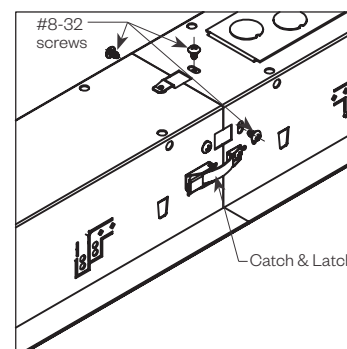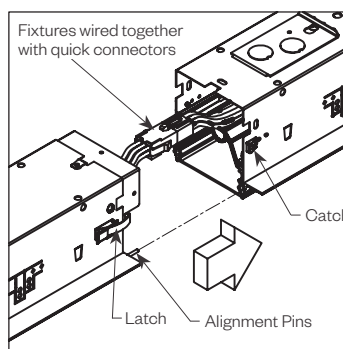

Optional Sensor/RF Node

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 Node/Sensor

RUNS

8'   8'
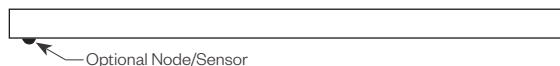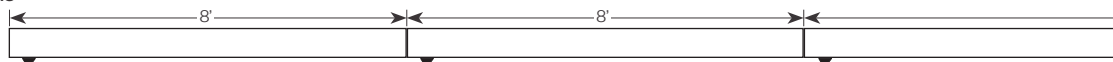
Grüv® 6" High Efficiency
Recessed Linear LED

Gruv 6" Patterns

Standard Patterns

All corners are standard 90°, standard length legs.
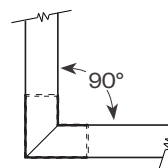Use standard lengths: 4' min to 8' in 1 foot increments.
Continuous runs must be the same length in pairs for closed configuration.
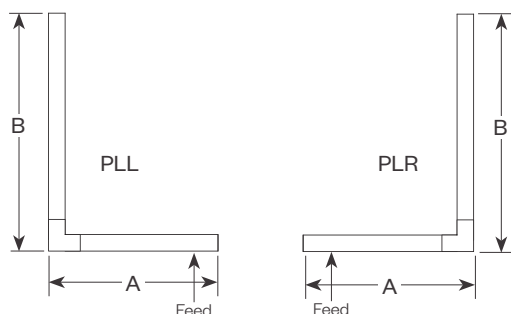
Custom Patterns

Please provide drawings of your configuration.
Made to Measure: +/- 1/8", consult factory.
PC - custom pattern, please provide drawings and consult factory
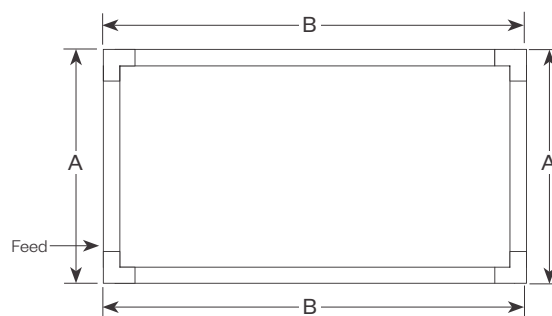
Gruv 6 Lens
Mitered Lens

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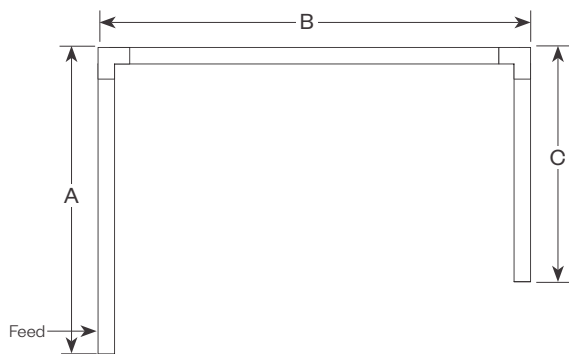 Provide overall lengths: A' & B'
  Nomenclature: A-B-PLL   A-B-PLR

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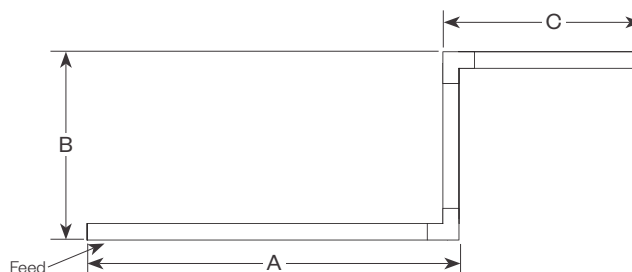 Provide overall lengths: A' & B'
  Nomenclature: A-B-PR

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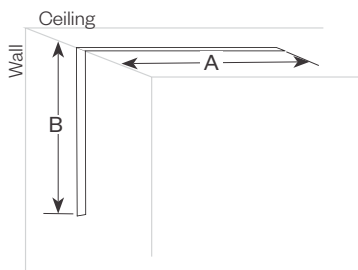 Provide overall lengths: A', B' & C'
  Nomenclature: A-B-C-PU

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

WC - Wall to Ceiling - 90° joining bracket, 12" leg length standard
  Provide overall lengths: A' & B'
  Nomenclature: A-B-PWC

Delta Intelligent Building Technologies

Grüv® 6" High Efficiency
Recessed Linear LED

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
Factor:	0.31	0.42	0.53	0.63	0.72	0.81	0.90	1.0

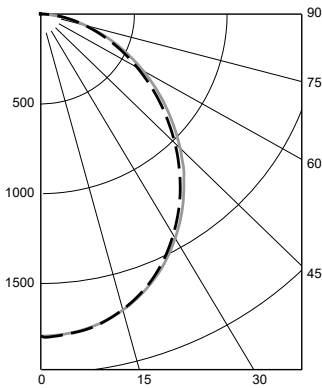| CCT Factors:						TW9
CRI	**2700K**	**3000K**	**3500K**	**4000K**		**(@3500K)**
83	0.92	0.97	1.0	1.02		-
90	0.81	0.84	0.86	0.89		0.86

GRÜV 6" HE PERFORMANCE LENS 10W 3500K 4FT
Total Watts: 36
Total Lumens: 4,490
Source: 120 White LED's

LTL# 13170267.22

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt
0-40	2174	48.4
0-60	3653	81.3
0-90	4489	100.0
90-180	0	0.0

Luminaire Efficacy = 125.1 lm/w

COEFFICIENTS OF UTILIZATION
Effective Floor Cavity Reflectance 20%

RC		80		
RW	70	50	30	10
RCR				
0	119	119	119	119
1	109	105	100	97
2	100	92	85	79
3	91	81	73	67
4	84	72	63	57
5	77	65	56	49
6	71	58	50	43
7	66	53	44	38
8	62	48	40	34
9	58	45	37	31
10	54	41	33	28

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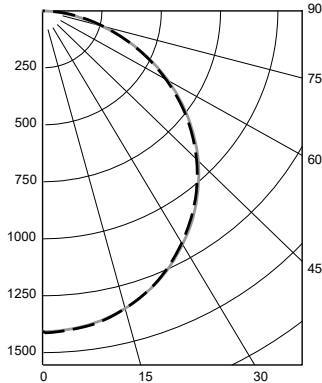

GRÜV 6" HE DESIGNER LENS 10W 3500K 4FT
Total Watts: 36
Total Lumens: 3,986
Source: 120 White LED's

LTL# 13170267.24

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt
0-40	1777	44.6
0-60	3132	78.6
0-90	3986	100.0
90-180	0	0.0

Luminaire Efficacy = 110.7 lm/w

COEFFICIENTS OF UTILIZATION
Effective Floor Cavity Reflectance 20%

RC		80		
RW	70	50	30	10
RCR				
0	119	119	119	119
1	109	104	99	96
2	99	90	83	78
3	90	79	71	64
4	82	70	61	55
5	76	63	54	47
6	70	56	47	41
7	65	51	42	36
8	60	47	38	32
9	56	43	35	29
10	53	40	32	26

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

Delta Intelligent Building Technologies

Grüv® 6" High Efficiency
Recessed Linear LED

amerlux

PROJECT:	TYPE:

Static White - Dimming Compatibility

Amerlux® Gruv 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 ---
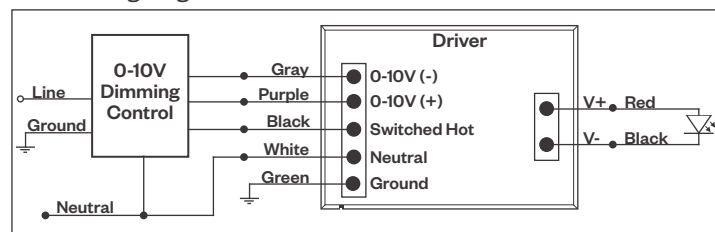
0-10V - DIMMING *(Standard)*
Integrates into a variety of building management and daylighting controls

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

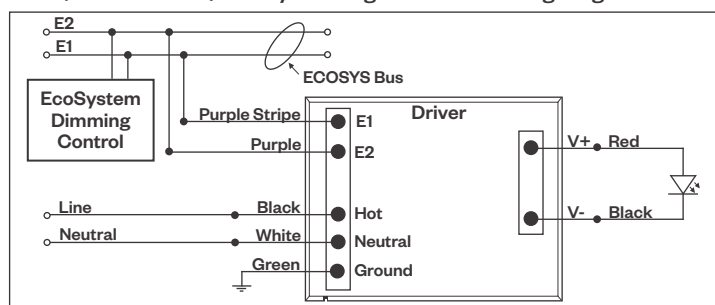| Compatible Dimmers†:			
Wall Box			**Central System**
Lutron:	Wattstopper:	Leviton:	Lutron Grafixk Eye with GRX-TV1 Interface
Diva - DVSTV	ADF-120277	Renoir II	
Maestro - MS-Z101			
Nova-T - NTSTV-DV			

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	

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

PROJECT:	TYPE:

Static White - Dimming Compatibility *(continued)*

Amerlux® Gruv 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 ---

DALI - DALI DIMMING 120V-277V
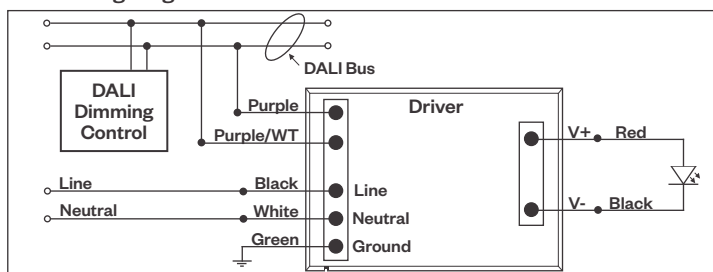Digital control protocol allows individual fixture control

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

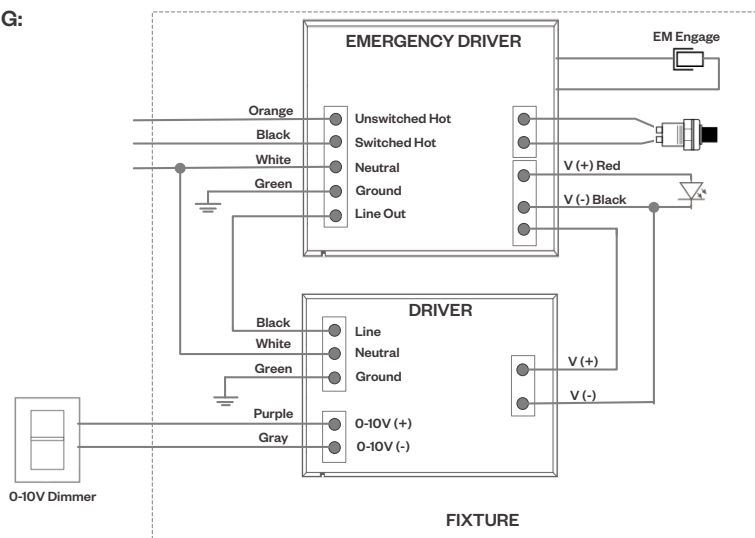| Compatible Dimmers†:	
Wall Box	**Central System**
Leviton CD250 Controller	Dynalite
	Fifth Light

DALI Wiring Diagram

Emergency Fixture with Built-In Battery Pack

EMERGENCY FIXTURE WITH BUILT-IN BATTERY PACK *(EMB)* **WIRING:**
Note: EMB not available on lengths under 4'.

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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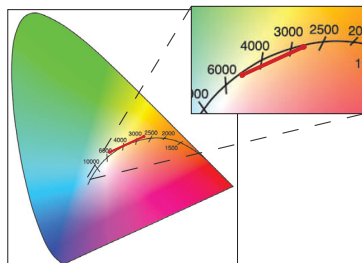
178 Bauer Drive, Oakland, NJ 07436 • P: 973-882-5010 F: 973-882-2605 • amerlux.com
Amerlux reserves the right to change details that do not affect overall function and performance.
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Grüv® 6" High Efficiency
Recessed Linear LED

amerlux

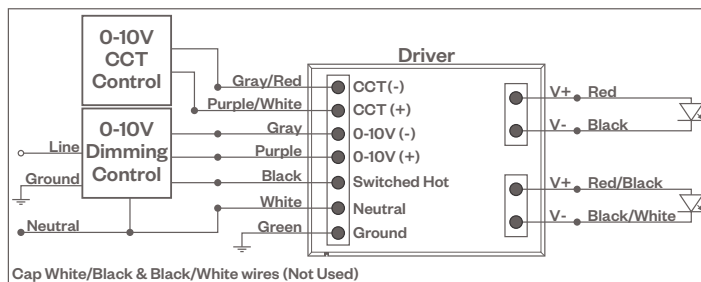| PROJECT:	TYPE:

Tunable White

Tunable White range from 2700K-5700K, 90 CRI.
See wiring diagrams below.
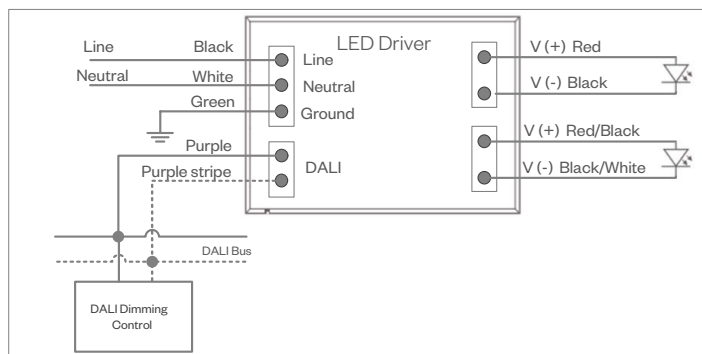
Tunable White - Dimming Compatibility

Amerlux® Gruv 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 Wiring Diagram

0-10V CCT Control
0-10V Dimming Control
Driver

Gray/Red	CCT(-)
Purple/White	CCT (+)
Gray	0-10V (-)
Purple	0-10V (+)
Black	Switched Hot
White	Neutral
Green	Ground

V+ Red
V- Black
V+ Red/Black
V- Black/White

Line
Ground
Neutral

Cap White/Black & Black/White wires (Not Used)

DALI DT8 Wiring Diagram

LED Driver

Line	Black	Line
Neutral	White	Neutral
	Green	Ground
	Purple	
	Purple stripe	DALI

V (+) Red
V (-) Black
V (+) Red/Black
V (-) Black/White

DALI Bus
DALI Dimming Control

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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