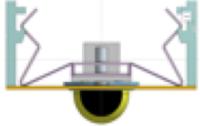
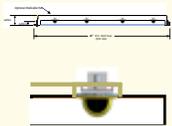
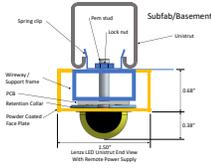
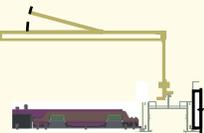


LenzX Luminaire Systems Product Overview

Product	Model	Applications			Features		
		Location	Retrofit	New Construction	Use	Power Supply Local	Power Supply Remote
	C- Flush Grid Ceiling	Cleanroom Class 1 - 1000	Yes	Yes	For use in fluorescent replacement and new grid 2" to 2.6" wide	Yes	Yes
	F – Face Plate-T- Bar	Cleanroom Class 1 - 10,000	Yes	Yes	For use in troffer retrofit 2 x 4 and 4 x 4 RAG's	Yes	No
	L - Low Profile	Cleanroom Class 1 - 1000	Yes	Yes	Designed to use with the Exyte ceiling grid with remote power supply and whips	No	Yes
	R - Recessed	Cleanroom Class 1 - 1000	Yes	Yes	For retrofit and new ceilings allows for AMHS without extending below ceiling and allows for future replacement	Yes	Yes
	S – Surface & Pendant	Cleanroom Class 1 – non rated	Yes	Yes	For use in subfab, fan decks, data centers, fabs, on-board or remote driver	Yes	Yes
	T - Troffer	Cleanroom Class 1 - 1000	Yes	Yes	For use as 2 x 4 or 4 x 4 with topside luminaire replacement	Yes	Yes



LED LIGHTING AND PERFORMANCE SOLUTIONS

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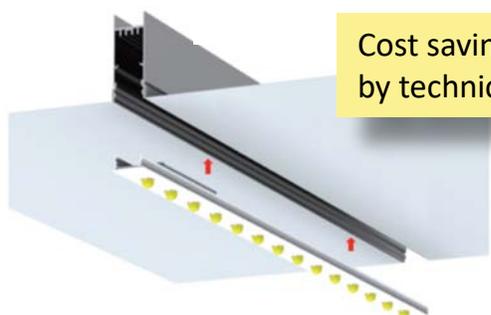
C - Flush Grid Ceiling Luminaire



Model No	Lumens	Lumens / Watt	No Boards	Drivers	Color Temp K	Watts	Volts	Hz	L x W	Light Color
CAS10341220Y CAS10301220W CAS10401220W	1,275 1,100 1,262	106.3 91.7 105.2	1	0*	3400 3000 4000	12	277/120	50/60	2' x 2.0"	Amber White White
CAS20342520Y CAS20302520W CAS20402520W	2,601 2,303 2,611	111.0 97.4 110.5	2	0*	3400 3000 4000	25	277/120	50/60	4' x 2.0"	Amber White White
CAS11341220Y CAS11301220W CAS11401220W	1,275 1,100 1,262	106.3 91.7 105.2	1	1	3400 3000 4000	12	277/120	50/60	2' x 2.0"	Amber White White
CAS21342520Y CAS21302520W CAS21402520W	2,601 2,303 2,611	111.0 97.4 110.5	2	1	3400 3000 4000	25	277/120	50/60	4' x 2.0"	Amber White White
CAS10341225Y CAS10301225W CAS10401225W	1,275 1,100 1,262	106.3 91.7 105.2	1	0*	3400 3000 4000	12	277/120	50/60	2' x 2.5"	Amber White White
CAS20342525Y CAS20302525W CAS20402525W	2,601 2,303 2,611	111.0 97.4 110.5	2	0*	3400 3000 4000	25	277/120	50/60	4' x 2.5"	Amber White White
CAS11341225Y CAS11301225W CAS11401225W	1,275 1,100 1,262	106.3 91.7 105.2	1	1	3400 3000 4000	12	277/120	50/60	2' x 2.5"	Amber White White
CAS21342525Y CAS21302525W CAS21402525W	2,601 2,303 2,611	111.0 97.4 110.5	2	1	3400 3000 4000	25	277/120	50/60	4' x 2.5"	Amber White White
CAS10341226Y CAS10301226W CAS10401226W	1,275 1,100 1,262	106.3 91.7 105.2	1	0*	3400 3000 4000	12	277/120	50/60	2' x 2.6"	Amber White White
CAS20342526Y CAS20302526W CAS20402526W	2,601 2,303 2,611	111.0 97.4 110.5	2	0*	3400 3000 4000	25	277/120	50/60	4' x 2.6"	Amber White White
CAS11341226Y CAS11301226W CAS11401226W	1,275 1,100 1,262	106.3 91.7 105.2	1	1	3400 3000 4000	12	277/120	50/60	2' x 2.6"	Amber White White
CAS21342526Y CAS21302526W CAS21402526W	2,601 2,303 2,611	111.0 97.4 110.5	2	1	3400 3000 4000	25	277/120	50/60	4' x 2.6"	Amber White White

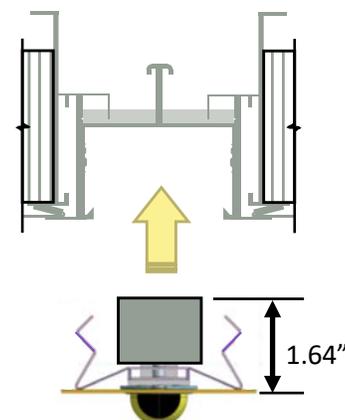
Notes: * Indicates remote driver, ** Nominal dimensions shown
6 foot long and 8 foot long fixtures can be special ordered

Features: The above listed LED cleanroom ceiling luminaires are suitable to replace T8 and T12 fluorescent lamps in existing flush grid ceilings as well as new installations



Lenzx In Grid Luminaire

Cost savings - replacement if necessary by technician rather than electrician



LED LIGHTING AND PERFORMANCE SOLUTIONS

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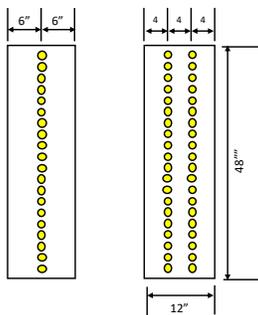
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F – Face Plate Luminaire T – Bar Ceiling

Model No	Lumens	Lumens / Watt	No Boards	Drivers	Color Temp K	Watts	Volts	Hz	L x W*	Light Color
FAS21342541Y FAS21430541W FAS21402541W	2,601 2,303 2,611	111.0 97.4 110.5	2	1	3400 3000 4000	25	277/120	50/60	4' x 1'	Amber White White
FAS41345041Y FAS41305041W FAS41405041W	5,202 4,606 5,222	111.0 97.4 110.5	4	1	3400 3000 4000	50	277/120	50/60	4' x 1'	Amber White White
FAS21342522Y FAS21302522W FAS21402522W	2,601 2,303 2,611	111.0 97.4 110.5	2	1	3400 3000 4000	25	277/120	50/60	2' x 2'	Amber White White
FAS32345022W FAS32305022W FAS32405022W	3,902 3,455 3,916	111.0 97.4 110.5	3	2	3400 3000 4000	38	277/120	50/60	2' x 2'	Amber White White
FAS41349942Y FAS41309942W FAS41409942W	5,202 4,606 5,222	111.0 97.4 110.5	4	1	3400 3000 4000	100	277/120	50/60	2' x 2"	Amber White White
FAS41345042Y FAS41305042W FAS41405042W	5,202 4,606 5,222	111.0 97.4 110.5	4	1	3400 3000 4000	50	277/120	50/60	4' x 2'	Amber White White
FAS62347542Y FAS62307542W FAS62407542W	7,804 6,910 7,833	111.0 97.4 110.5	6	2	3400 3000 4000	75	277/120	50/60	4' x 2'	Amber White White
FAS82349942Y FAS82309942W FAS82409942W	10,404 9,212 10,444	111.0 97.4 110.5	8	2	3400 3000 4000	100	277/120	50/60	4' x 2"	Amber White White

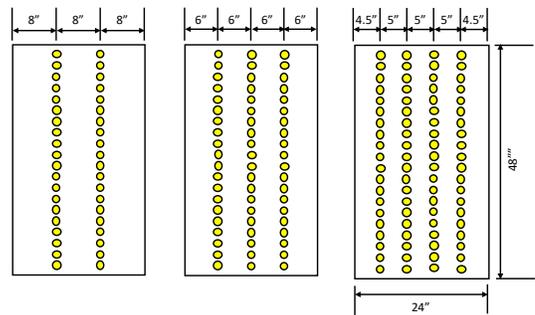
Notes: * Nominal dimensions shown

Features: One piece al housing, luminaire finish white RAL #7001 TGIC free powder coat,



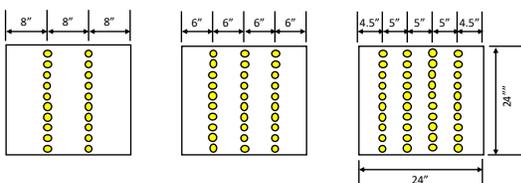
FAS21402541W FAS41405041W

1 x 4 Luminaire



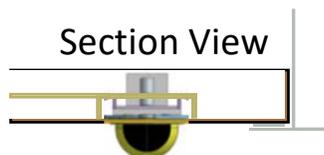
FAS41405042W FAS62407542W FAS82409942W

2 x 4 Luminaire



FAS21402522W FAS32405022W FAS41409942W

2 x 2 Luminaire



Section View

For use with t - bar ceiling grids. Also available in other sizes, 2 X 4 with 4 rows shown below



Gasketed T-bar grid mount



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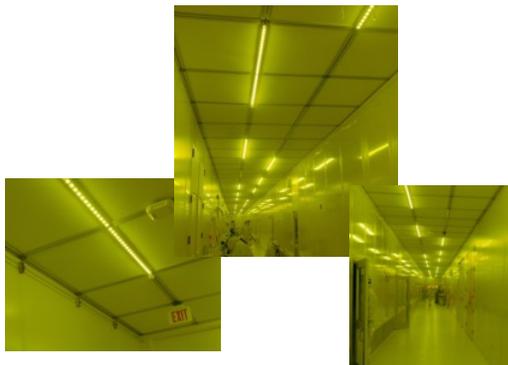
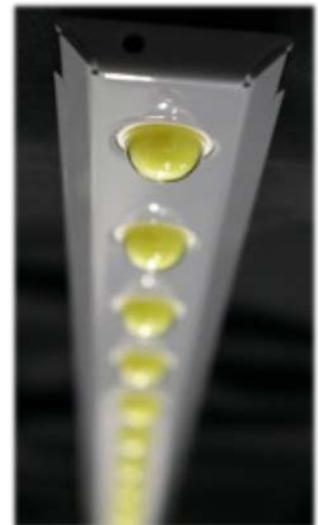
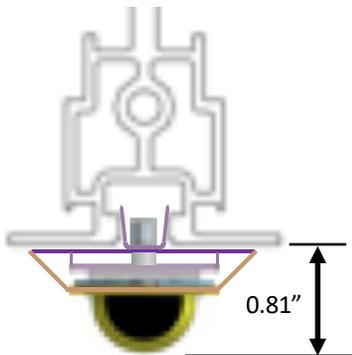
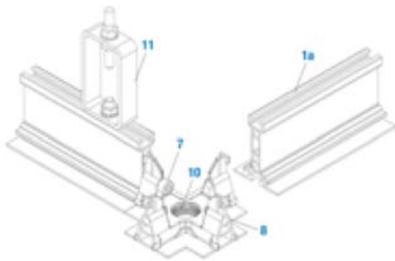
L - Low Profile Luminaire



Model No	Lumens	Lumens / Watt	No Boards	Drivers	Color Temp K	Watts	Volts	Hz	L x W*	Light Color
LAS10341220Y	1,275	106.3	1	1	3400	12	277/120	50/60	2' x 2"	Amber
LAS10301220W	1,100	91.7			3000					White
LAS10401220W	1,262	105.2			4000					White
LAS20342520Y	2,601	111.0	2	1	3400	25	277/120	50/60	4' x 2"	Amber
LAS20302520W	2,303	97.4			3000					White
LAS20402520W	2,611	110.5			4000					White

Notes: * Nominal dimensions shown

Features: Designed to use with the T-bar grid and Exyte ceiling grid with remote power supply and whips



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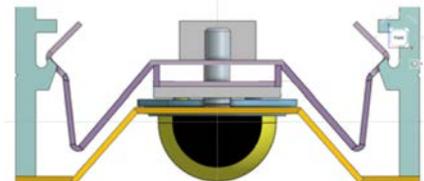
R - Recessed Luminaire



Model No	Lumens	Lumens / Watt	No Boards	Drivers	Color Temp K	Watts	Volts	Hz	L x W**	Light Color
RAS10341220Y RAS10301220W RAS10401220W	1,275 1,100 1,262	106.3 91.7 105.2	1	0*	3400 3000 4000	12	277/120	50/60	2' x 2.0"	Amber White White
RAS20342520Y RAS20302520W RAS20402520W	2,601 2,303 2,611	111.0 97.4 110.5	2	0*	3400 3000 4000	25	277/120	50/60	4' x 2.0"	Amber White White
RAS11341220Y RAS11301220W RAS11401220W	1,275 1,100 1,262	106.3 91.7 105.2	1	1	3400 3000 4000	12	277/120	50/60	2' x 2.0"	Amber White White
RAS21342520Y RAS21302520W RAS21402520W	2,601 2,303 2,611	111.0 97.4 110.5	2	1	3400 3000 4000	25	277/120	50/60	4' x 2.0"	Amber White White
RAS10341225Y RAS10301225W RAS10401225W	1,275 1,100 1,262	106.3 91.7 105.2	1	0*	3400 3000 4000	12	277/120	50/60	2' x 2.5"	Amber White White
RAS20342525Y RAS20302525W RAS20402525W	2,601 2,303 2,611	111.0 97.4 110.5	2	0*	3400 3000 4000	25	277/120	50/60	4' x 2.5"	Amber White White
RAS11341225Y RAS11301225W RAS11401225W	1,275 1,100 1,262	106.3 91.7 105.2	1	1	3400 3000 4000	12	277/120	50/60	2' x 2.5"	Amber White White
RAS21342525Y RAS21302525W RAS21402525W	2,601 2,303 2,611	111.0 97.4 110.5	2	1	3400 3000 4000	25	277/120	50/60	4' x 2.5"	Amber White White
RAS10341226Y RAS10301226W RAS10401226W	1,275 1,100 1,262	106.3 91.7 105.2	1	0*	3400 3000 4000	12	277/120	50/60	2' x 2.6"	Amber White White
RAS20342526Y RAS20302526W RAS20402526W	2,601 2,303 2,611	111.0 97.4 110.5	2	0*	3400 3000 4000	25	277/120	50/60	4' x 2.6"	Amber White White
RAS11341226Y RAS11301226W RAS11401226W	1,275 1,100 1,262	106.3 91.7 105.2	1	1	3400 3000 4000	12	277/120	50/60	2' x 2.6"	Amber White White
RAS21342526Y RAS21302526W RAS21402526W	2,601 2,303 2,611	111.0 97.4 110.5	2	1	3400 3000 4000	25	277/120	50/60	4' x 2.6"	Amber White White

Notes: * Indicates remote driver, ** Nominal dimensions shown
6 foot long and 8 foot long fixtures can be special ordered

Features: This recessed snap in fixture has all of the features of the C – Flush Grid luminaire but also has its remote phosphor caps recessed above the bottom of the ceiling face. This feature allows for factory installation and retrofit while eliminating interference with AMHS.



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S – Surface Mount Luminaire - Unitstrut

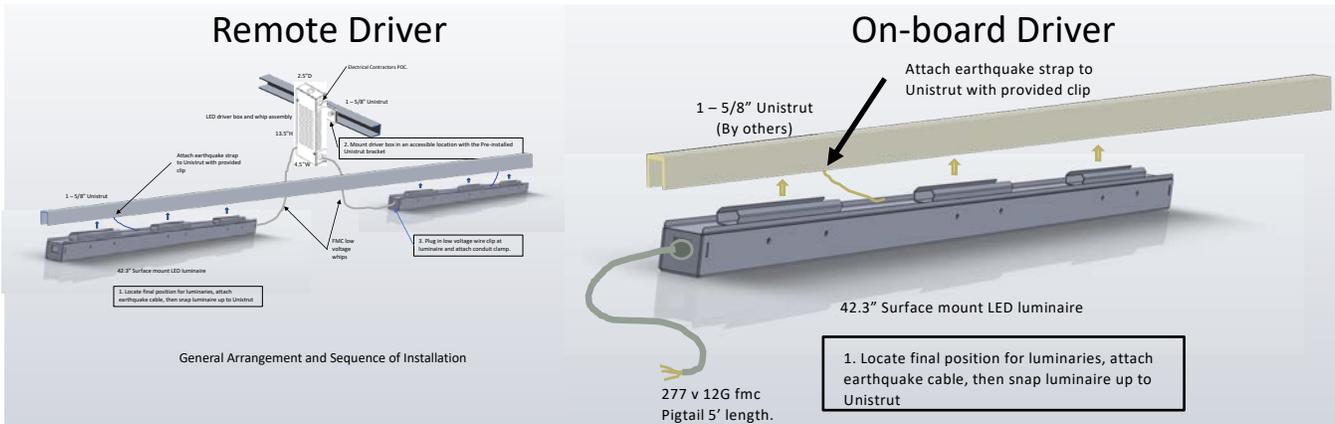


Model No	Lumens	Lumens / Watt	No Boards	Drivers	Color Temp K	Watts	Volts	Hz	L x W**	Light Color
SAS10341220Y	1,275	106.3	1	0*	3400	12	277/120	50/60	2' x 2"	Amber
SAS10301220W	1,100	91.7			3000					White
SAS10401220W	1,262	105.2			4000					White
SAS20342520Y	2,601	111.0	2	0*	3400	25	277/120	50/60	4' x 2"	Amber
SAS20302520W	2,303	97.4			3000					White
SAS20402520W	2,611	110.5			4000					White
SAS11341220Y	1,275	106.3	1	1	3400	12	277/120	50/60	2' x 2"	Amber
SAS11301220W	1,100	91.7			3000					White
SAS11401220W	1,262	105.2			4000					White
SAS21342520Y	2,601	111.0	2	1	3400	25	277/120	50/60	4' x 2"	Amber
SAS21302520W	2,303	97.4			3000					White
SAS21402520W	2,611	110.5			4000					White

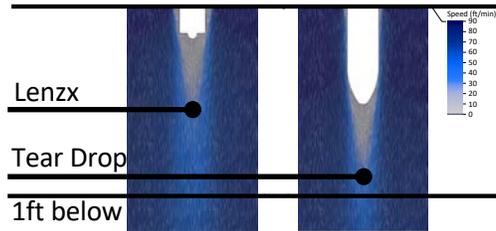
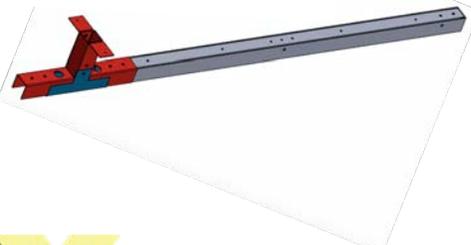
Note: * Indicates remote driver

** Nominal dimensions shown

FEATURES: Designed for clean and non-clean spaces. Light weight and compact. Mounting clips for Unistrut, 80/2, chain hanging and hard surfaces.



Also available as a suspended / pendant style



Our lighting allows for better 100% laminar flow



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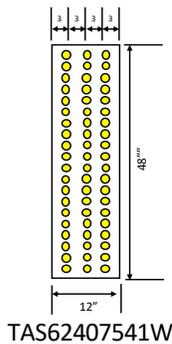
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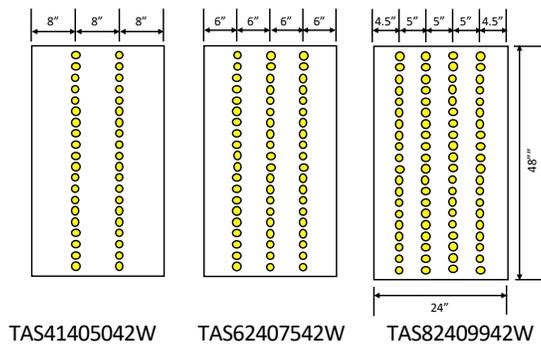
T - Troffer Luminaire

Model No	Lumens	Lumens / Watt	No Boards	Drivers	Color Temp K	Watts	Volts	Hz	L x W*	Light Color
TAS62347541Y	7,804	111.0	6	2	3400	25	277/120	50/60	4' x 1'	Amber
TAS62307541W	6,910	97.4			3000					White
TAS62407541W	7,833	110.5			4000					White
TAS41345042Y	5,202	111.0	4	1	3400	50	277/120	50/60	4' x 2'	Amber
TAS41305042W	4,606	97.4			3000					White
TAS41405042W	5,222	110.5			4000					White
TAS62347542Y	7,804	111.0	6	2	3400	75	277/120	50/60	4' x 2'	Amber
TAS62307542W	6,910	97.4			3000					White
TAS62407542W	7,833	110.5			4000					White
TAS82349942Y	10,404	111.0	8	2	3400	100	277/120	50/60	4' x 2"	Amber
TAS82309942W	9,212	97.4			3000					White
TAS82409942W	10,444	110.5			4000					White
TAS82349944Y	10,404	111.0	8	2	3400	100	277/120	50/60	4' x 4"	Amber
TAS82309944W	9,212	97.4			3000					White
TAS82409944W	10,444	110.5			4000					White

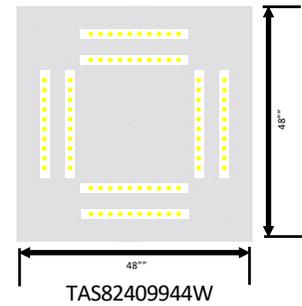
Notes: * Nominal dimensions shown



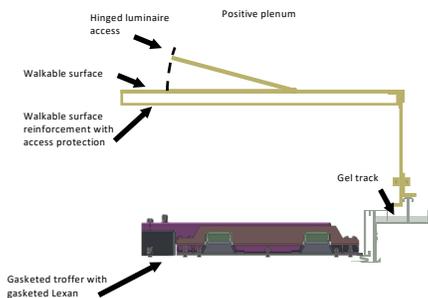
1 x 4 Luminaire



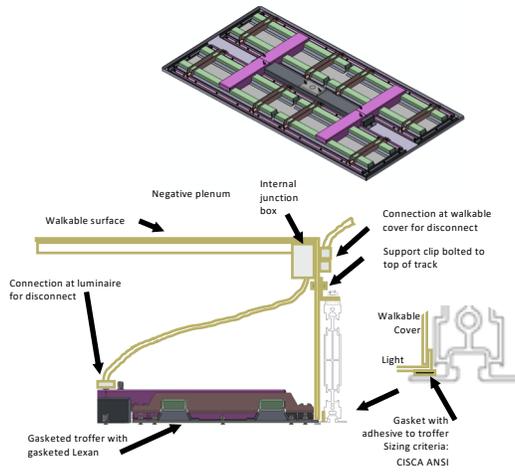
2 x 4 Luminaire



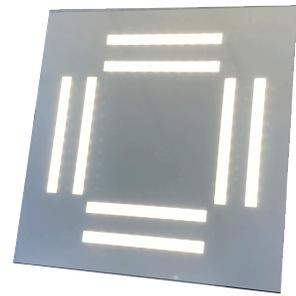
4 x 4 Luminaire



Section View
Gel Track Grid
Troffer



Section View
Gasketed Grid
Troffer



Features

- All aluminum construction
- Powder coated flush grid finish white RAL #7001 TGIC free
- Backside removable LEDs with no tools
- Backside removable driver
- Fits all types of ceiling grid
- Light weight
- Optional Light cover top available
- Optional hinged access



LED LIGHTING AND PERFORMANCE SOLUTIONS

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D – Drivers & Remote Enclosure




VPL50-2C-025/030/036	
Driver Type	Output Selectable LED Driver
No. of Channels	2
Input Voltage	120-277 V
Input Frequency	50-60 Hz
Dimming	0-10V Dimming

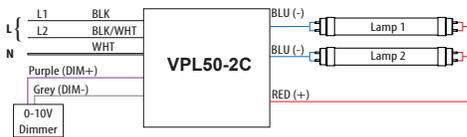
Features	
•	Universal Voltage (120-277V)
•	Multiple Output Channels
•	Constant Current
•	Output Current 250mA/300mA/360mA Selectable through Line Lead
•	0-10V Dimming
•	Integrates with Adaptive Lighting Control Systems
•	Compatible with LED modules and Coretech LED tubes
•	UL, cUL, UL8750 Class 2
•	FCC Part 15 Class A

CoreTech VPL
PRODUCT SPECIFICATIONS



OUTPUT		INPUT	
No. of Channels	1 2	Frequency	50-60Hz
No. of Coretech LED Lamps	1 2	Input Voltage (range)	120-277 VAC
Output Voltage (Range)	20-48VDC	Power Factor (min.)	0.9 @ full load 277VAC
Output Current Selection	250mA/300mA/360mA	THD (max.)	20% @ full load 110AC
Total Rated Power	36W	Efficiency (max.)	86%

Wiring diagram



*Dual-Relay Output Current Selection

Input Line	Output Current
L2 (BLK/WHT)	250mA
L1 (BLK)	300mA
L1 + L2	360mA



VPL100-4C-030/036	
Driver Type	Constant Current Field Adjustable LED Driver
No. of Channels	4
Input Voltage	120-277 V
Input Frequency	50-60 Hz
Dimming	0-10V

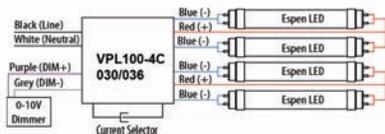
Features	
•	Universal Voltage (120-277V)
•	Multiple Output Channels
•	Constant Current
•	Per channel 300mA / 360mA
•	0-10V
•	Integrates with Adaptive Lighting Control Systems
•	Compatible with LED modules and Coretech LED tubes
•	UL, cUL, UL8750 Class 2
•	FCC Part 15 Class A

CoreTech VPL
PRODUCT SPECIFICATIONS



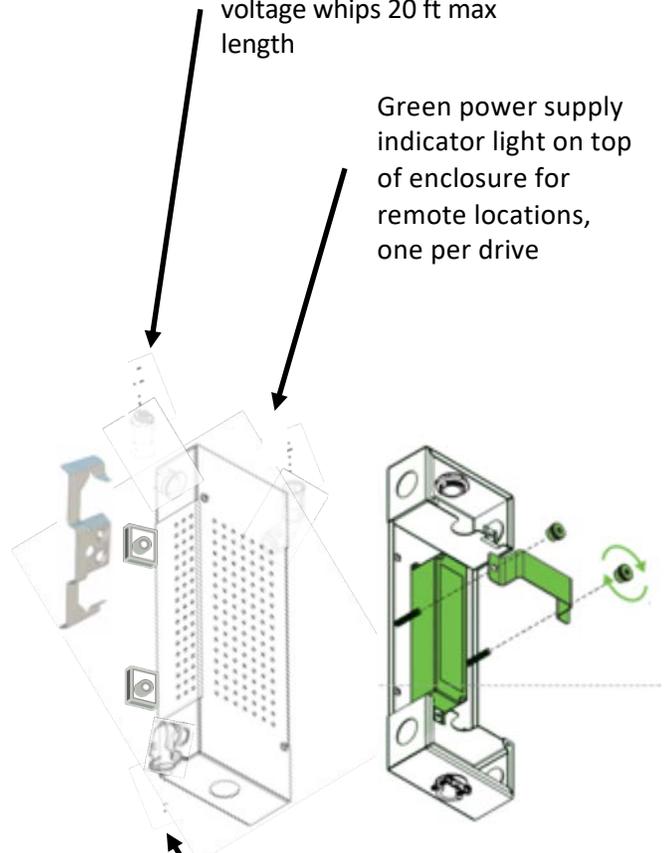
OUTPUT		INPUT	
No. of Channels	3 4	Frequency	50-60Hz
No. of Coretech LED Lamps	3 4	Input Voltage (range)	120-277 VAC
Output Voltage (Range)	20-46VDC	Power Factor (min.)	0.9 @ full load 277VAC
Output Current Range (Programmable @ full load)	300mA / 360mA	THD (max.)	20% @ full load 110AC
Total Rated Power	66W	Efficiency (typical)	0.86

Wiring diagram



FMC conduit low voltage whips 20 ft max length

Green power supply indicator light on top of enclosure for remote locations, one per drive



FMC line voltage whips with twist lock connector

Distribute 15 amp electrical and reduce base build facility cost where local codes and standards allow for electrical and overall system weight.



LED LIGHTING AND PERFORMANCE SOLUTIONS

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Standard Product, Features, Accessories and Services

Product Options

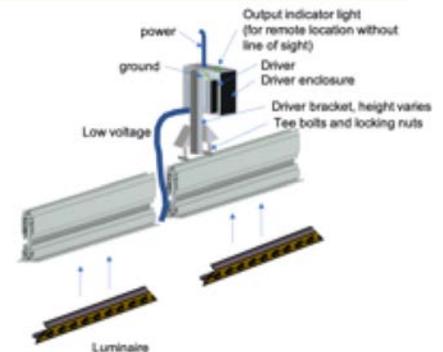
Standard Lengths	2 feet, 4 feet and 8 feet
Standard Widths	2 inch, 2.5 inch, 2.6 inch, 2 feet & 4 feet
Brightness	3000K, 3400K UV Cut-Off, 4000K
UV Cut off	Less than 1.0-E8 uWatt/cm2

Product Features

Integrated Assembly
130 Degrees of Light Into Space
Linear Light Array
Light Weight
Long Life

Accessories

Power Supply
Power Supply Enclosure and Mounting Hardware, Wall or Surface
Local Isolation Switch
Remote Dimmer
White Finish Standard, Other Colors and Anodized Finish Available
End Cap
Connecting Cap for Penetration
Low Voltage Wire Harness, includes wire and end connectors
Remote Power Supply 277V Whip with Plug
Power Supply Indicator Light
Wago Connectors



Product Services

Lighting Layout and Design
Total Cost of Ownership and Energy Analysis



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