

Linea® 1.5"

Linear Direct Wall Wash



PROJECT:

TYPE:

Features

This amazing new light takes the shape of Linea 1.5" with a whole new purpose. A new star in the wall washing lighting category, this pendant has captured the imaginations of lighting designers worldwide. Linea 1.5" and the new Linea 1.5" Wall Wash make the perfect pair for every office space.



LIN1.5D-WW

Product Overview

Type: Cable Suspended or Surface Mounted Linear Wall Wash
Wattage: 5W/ft, 10W/ft (*other wattages available see p2*)
Color Temp: 2700K, 3000K, 3500K, 4000K
CRI: 83 or 90+ typ.
Dimming: 0-10V, 1% dim, 120/277VAC (*standard*)
Lutron LDE1 Hi-lume® 1% Soft-On/Fade-to-Black
DALI, 1% dim

Certifications



Fixture Summary

Electrical Data

Wattage per Foot	Voltage	4'		8'	
		System Watts	Amps	System Watts	Amps
5	120V	19	0.16	37	0.31
	277V	21.3	0.08	38	0.14
10	120V	40	0.33	80	0.66
	277V	40	0.15	80	0.30

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

Runs

Individual Runs: 2' - 8' (*whole foot standard*).

Continuous Runs: Available (*whole foot standard*).

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Ordering Information

LIN1.5D-WW-A16				120/277					
1	2	3	4	5	6	7	8	9	10
1	Model		2 Mounting			3 Wattage (per foot)			
	LIN1.5D-WW-A16 [†]		<u>Pendant Mount</u> (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' <i>* 4' (xxx04) is standard length, other lengths are additional charge</i> <u>Surface Mount</u> SM surface mount			<u>Standard</u> <u>Optional</u> 5 5W/ft 3* 3W/ft 10 10W/ft 4* 4W/ft 6 6W/ft 7 7W/ft 8 8W/ft 9 9W/ft <i>* 4' min. length required</i>			
4 Color Temp			5 Finish		6 Voltage		7 Length		
83 CRI 90+ CRI 27 2700K-83 279 2700K-90+ 30 3000K-83 309 3000K-90+ 35 3500K-83 359 3500K-90+ 40 4000K-83 409 4000K-90+			HW high reflectance matte white BT black texture ST silver texture <i>For other RAL color, consult factory</i>		120/277		_____ specify individual, continuous run or made to measure length (see details in Configuration)		
8 Configuration			9 Drivers			10 Options/Accessories			
IND ¹ individual fixture, 2' to 8' in 1' increments CON continuous run > than 8', specify to nearest foot <i>For custom patterns, submit an EDR on amerlux.com.</i>			O-10V 1% electronic dimming, multi-volt, 120-277VAC, constant current driver (standard) HILUME-H-ECO Lutron LDE1 Hi-lume® 1% Soft-On/Fade-to-Black DALI DALI dimming, 120-277VAC, 1% dim			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			

* 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.

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

Application

Retail and commercial wall wash lighting that is effective with a subtle presence. Used to highlight and balance brightness in a space by adding light to vertical surfaces

Construction

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

Optical

Flush mount snap-in Lens installation. Extruded acrylic lens provides excellent controlled light transmission while effectively concealing source image.

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.

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

CRI: 83 typical, 90+ typical

R9: 16 @ CRI 83

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 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 and overvoltage 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.

Finish

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

HW - High reflective matte White

BT - Black Texture

ST - Silver Texture

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

Configurations/Lengths

IND - Individual 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" mechanism out of sight, on top of the Housing. Wiring is made fast and positive with molded quick connectors.

For custom patterns, submit an EDR on amerlux.com.

Mounting

The Linea 1.5 Wall Wash is a pendant mounted wall wash. It is best spaced 18" from wall (12" min and 36" maximum). It can be surface mounted or in continuous rows. Standard and custom patterns available.

LIN1.5WW-A16...ASW10 - Wall Wash pendant is installed in center of ceiling tile or gypsum board ceiling (standard) i.e. ASW10. Or if canopy is installed on a grid Tee runner add, **T** i.e. ASW10T.

Cable Suspension: Cable is stranded stainless steel wire. 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 10' or 20', and mounting condition, in center of ceiling tile and in gypsum board ceiling (standard) i.e. ASW10. Or if canopy is installed on a grid Tee runner add, **T** i.e. ASW10T

LIN1.5WW-A16-SM - Surface Mount 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.



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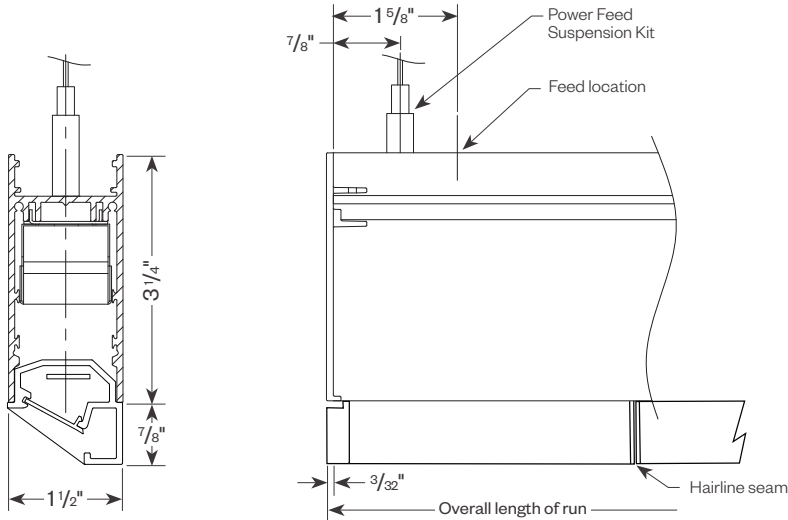


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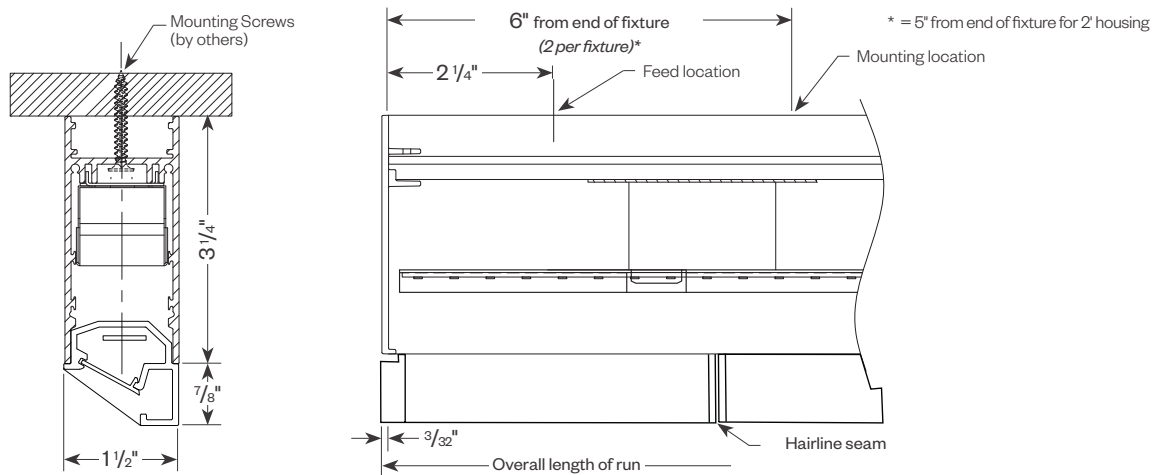
TYPE:

Product Details

Pendant Mount



Surface Mount



Linea® 1.5"

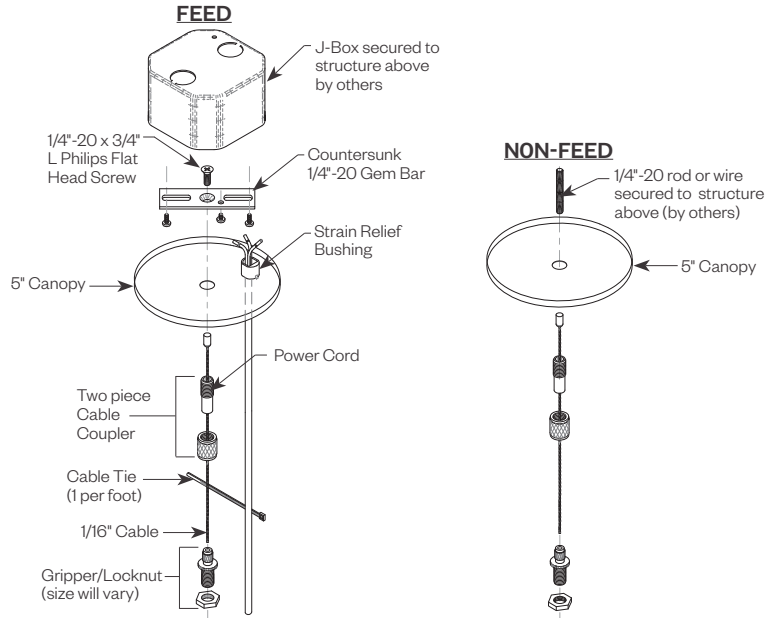
Linear Direct Wall Wash



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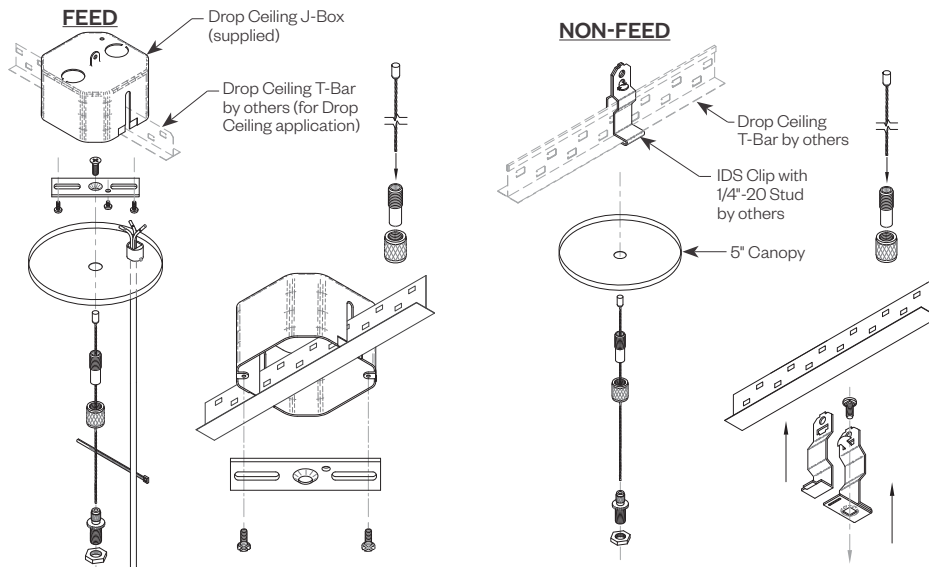
TYPE:

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



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)



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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:	0.63	0.82	1.0	1.17	1.34	1.50	1.64	1.0

CCT:	2700K-83	3500K-83	3500K-83	4000K-83	2700K-90+	3000K-90+	3500K-90+	4000K-90+
Factor:	0.91	0.96	1.0	1.01	0.80	0.84	0.88	0.89

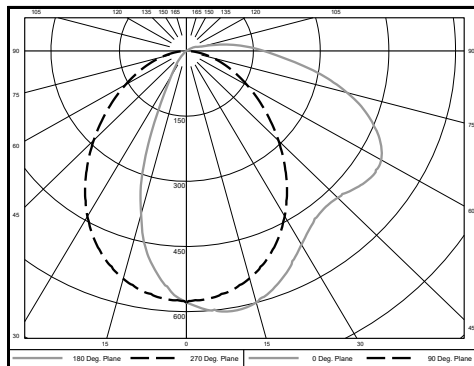
LINEA 1.5" DIRECT WALL WASH 5W 3500K 4FT

Total Watts: 19

Total Lumens: 1,384

Source: 96 White LED's

LTL# 11665872.03



ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt
0-40	589	42.5
0-60	955	69.0
0-90	1331	96.2
90-180	53	3.9

Efficacy = 73.4 Lumens / Watt

COEFFICIENTS OF UTILIZATION

Effective Floor Cavity Reflectance 20%

RC	80			
RW	70	50	30	10
ROR				
0	1591	1591	1591	1591
1	1423	1354	1291	1234
2	1287	1174	1079	999
3	1172	1031	921	832
4	1075	917	800	710
5	992	824	705	616
6	920	747	629	543
7	857	682	567	485
8	801	626	514	437
9	752	579	471	397
10	708	537	433	363

Note: Values expressed as Lumens Delivered to the task surface.

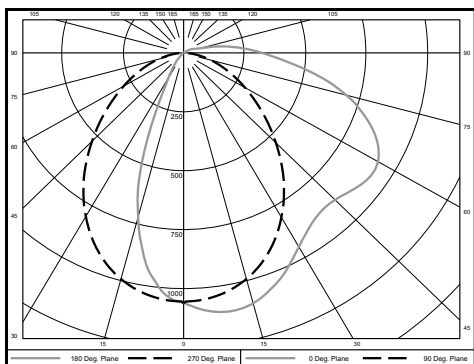
LINEA 1.5" DIRECT WALL WASH 10W 3500K 4FT

Total Watts: 38

Total Lumens: 2,557

Source: 96 White LED's

LTL# 11665872.04



ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt
0-40	1085	42.4
0-60	1760	68.8
0-90	2458	96.1
90-180	99	3.9

Efficacy = 66.6 Lumens / Watt

COEFFICIENTS OF UTILIZATION

Effective Floor Cavity Reflectance 20%

RC	80			
RW	70	50	30	10
ROR				
0	2939	2939	2939	2939
1	2627	2498	2382	2277
2	2375	2166	1991	1842
3	2163	1903	1699	1535
4	1984	1693	1476	1308
5	1831	1521	1301	1136
6	1697	1378	1160	1002
7	1581	1258	1045	893
8	1478	1156	949	805
9	1387	1067	868	731
10	1306	991	799	669

Note: Values expressed as Lumens Delivered to the task surface.

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Dimming Compatibility

Amerlux® Linea® 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 ---

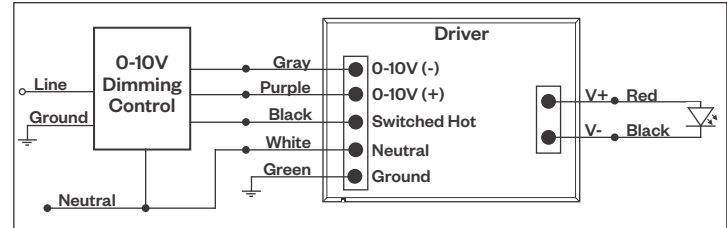
0-10V - DIMMING (Standard)

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 Grafikx 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

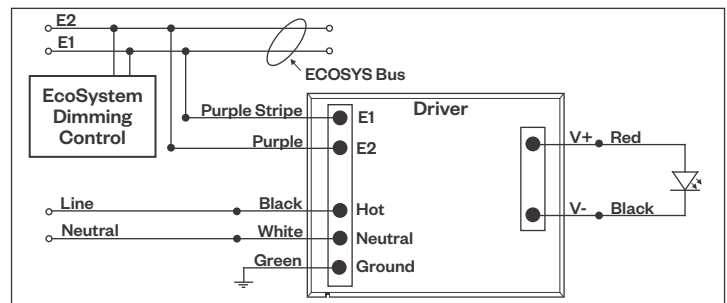
Notes:

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

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	

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



Notes:

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

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

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Dimming Compatibility *(continued)*

Amerlux® Linea® 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.

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DALI - DALI DIMMING 120V-277V

Digital control protocol allows individual fixture control

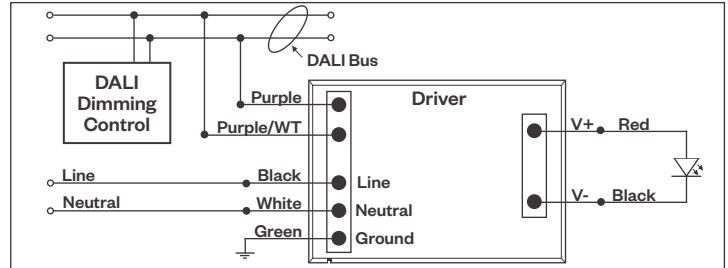
Notes:

- 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



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.