

## SERIE ILUMINACIÓN



25 amp - 80 amp 3 y 6 circuitos / IP54 - 55

WavePro LTG system complies with:

IEC 60947.2 - 1997

IEC 60439.1 - 2004

IEC 60439.2 - 2000

IEC 60529

JB/T9662 - 1999

CIDET KEMA SA 8000 ISO 9001 ISO 14001 OHSAS 18001



# Catalogue

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# System Overview



WavePro LTG is a modularised busway to distribute electric power for lighting system by simply plugging connection, which is able to provide sufficient power branches as necessary and protection as well as to mechanically support the weight load of lighting xture neath.



WavePro LTG is constructed with a high-quality extruded aluminum alloy housing with characteristics of light weight, compact size, high mechanical strength. WavePro LTG utilizes high-quality copper as bus conductors and Al housing to ground; copper conductors are enclosed with a environmental friendly low-smoke, halogen-free and flame retardant insulation.



WavePro LTG can be customized with multi-number of outlets per actual application, which is exible for installation and power distribution to be adapted any complex situations.

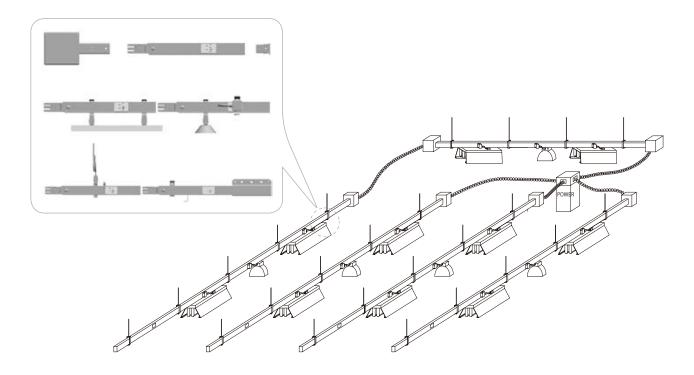


WavePro LTG can be installed vertically as well as horizontally onto the truss, ceiling, wall and oor, which is very popular to energize such middle to large commercial lighting and low load situations as: airports, subway stations, workshops, exhibition halls, warehouses, shopping malls.



WavePro LTG mainly consists of straight lengths, feed units, terminal units, flexible elbows, tap-off units and accessories such as cable clamps, various x brackets. All units and accessories are standardized and modularized during design ing and producing in order to achieve installation and application easiness.

## WavePro LTG



# Features & Advantages



# Compact and **fl**exible

WavePro LTG lighting busway will save space due to compact housing with size of  $\,48\times32mm$  compared with cables

Various functional units can be applied to any corner, bypass obstacles, as well as change its height by using flexible elbows, which makes flexible to be adapt to any construction space

# Safe and reliable plug unit



WavePro LTG plug unit uses ame-retarded ABS plastic body with compact design, light w eight, high strength, long life and excellent insulation

The silver-plated spring stabs provide reliable electrical connection; longer grounding pin design makes contact—rst but leave last compared with phases pins to avoid shocking

The clamps beside the plug unit can lock onto busway trunk and ensure reliable electrical contact and higher protective degree



### Aluminum alloy housing

WavePro LTG uses full aluminum alloy housing, lightweight, high strength, with up to protection degree of IP54 WavePro LTG housing has excellent anti-corrosion, both electrical and thermal conductivity and housing has at least 50% equivalent grounding capacity

WavePro LTG uses weak magnetic materials which minimizes magnetic hyster esis loss, enhance energy transferring ef ciency and reduce the voltage drop of the system



## Safe insulating material

WavePro LTG Lighting busway uses environmental-friendly and halogen-free ame retardant materials, with low-smoke

Supportive insulating parts are able to withstand pressure of glow wire at 960 $\square$ ; Non-suppor tive insulating parts are able to withstand the pressure of glow wire at 650 $\square$ 



## Easy installation

Each other connection between trunk units, feed units, terminal units, exible elbows, joints just need "insertion" action to achieve the correct installation, electrically and mechanically

There is a feature to prevent wrong insertion ensuring right connection with each other

## Certification







# **Electrical Characteristics**

## **Basic Electrical Characteristics**

Rated Current (A)	Rated Voltage (V AC)	Rated Insulation Voltage (V AC)	Frequency (Hz)	Short Cicuit Withstand Current (t=1s) (kA)	Degree of Protection	Number of Wire	Material of Conductor	Cross Section of Conductor □ L1, L2, L3, N□ □ mm2□
25	415	690	50/60	0.69		4	Cu	4
40	415	690	50/60	0.94	IP40 / IP42 /	4	Cu	6
2×25	415	690	50/60	0.69	IP43 / IP54	4	Cu	2×4
2×40	415	690	50/60	0.94		4	Cu	2×6

Tab. 4-1

#### **Conduct Electrical Characteristics**

Degree Currer		Protective Conductor			Voltage Drop		
	Mean resistance at an ambient temperature of 20 ☐ (R20)	Mean resistance at an ambient temperature of 20□			e drop of single oltage drop is c		ltiplying 0.866)
А	10-6 <b>Ω</b> /m	10-6 <b>Ω</b> /m	Power factor CosΦ=0.6	Power factor Cos <b>Φ</b> =0.7	V/100m/A Power factor CosΦ=0.8	Power factor Cos <b>Φ</b> =0.9	Power factor Cos <b>Φ</b> =1.0
25	4609.3	301.3	0.50	0.58	0.66	0.73	0.80
40	3072.8	301.3	0.34	0.39	0.44	0.49	0.53

Tab. 4-2

## Application Effect of Ambient Temperature

Ambient Temperature (🗆 )	Factor
35	1
40	0.95
45	0.90
50	0.85
55	0.80
60	0.75

Tab. 4-3

Within the ambient temperature of 35 down , WavePro LTG Lighting busway can continuously operate at rated current while the maximum housing temperature rise will not exceed 55K.

If the busway is continuously operated at higher ambient temperature, it should be derated rst, i.e. the busway current-carrying capacity=rated current × de-rating factor. (As shown in Tab. 4-3).

## Weight of Busway

Туре	Weight (kg/m)
25A	0.9
40 A	1.0
25 A +40 A	1.2
25 A ×2	1.1
40 A ×2	1.3

Tab. 4-4

# Components Features

## Straight Length



Fig. 5-1

Straight Length are basic for lighting busway and they are functional with just direct insertion "head" to "tail" simply.

Aluminum alloy housing (size of 48×32mm), acting as PE, has good mechanical strength but lighter weight and highly aesthetic appearance

Standard straight trunk is as long as 2m or 3m, while outlets' spacing is 0.5m or 1 meter. Non-standard lengths can be customized

Protection degree up to IP54

Fire retarded insulations are in line with the performance of GB and IEC standards (IEC 60695-2-1)

-Supportive insulating parts are able to withstand the pressure of glow wire at 960□ -Non-supportive insulating parts are able to withstand the pressure of glow wire at

Span of Installation (m)	Concentrated Load (kg)	Average Load (kg)
2.0	18	27
2 5	1.4	2/4

Tab. 5-1

650□



Fig. 5-2

#### Feed Unit

Feed unit is start unit for power supply to the lighting busway; the installation between a feed unit and a straight length is similar to two straight lengths connection each other, inserting joint into housing and pressing buttons in position to lock.



Fig. 5-3

#### **End Cover**

End cover (or terminal unit) completes the end of the lighting busway. The installation is similar to straight length.

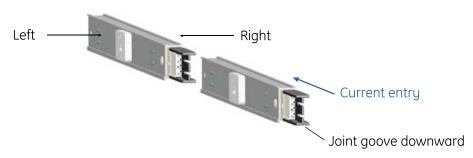


## Flexible Elbow

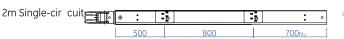
Flexible elbow consists of two feed units which are connected through a exible tube. you can change the direction or height of the busway, or bypassing an obstacle by using the flexible length, the installation method is the same as joining two straight length. There are 0.5m, 1m in two standard lengths, while the non-standard lengths can be customized.

# **Specifications & Data**

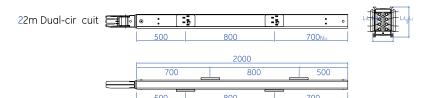
## Straight Length



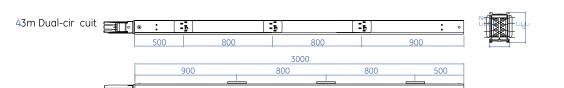
2m Single-circuit, dual-circuit dimension & layout of sockets



Unit: mmTab. 6-1







#### Straigt length

For the single-cuircuit busway, the unit with standard length of 2m has maximum 2 sockets, while the 3m has maximum 3 sockets

For the dual-circuit busway, the unit with standard length of 2m has maximum 4 (2 for each side) sockets, while the 3m has maximum 6 sockets (3 for each side) More sockets are available for customized applications

Num	Cat.#	Number of Outlet	Rated Current (A)	Degree of Protection	Measures (m)
1	WPLTGBT2E0IP54-20	Left 2	25		2
2	WPLTGBF2F1IP54-20	Left2Right1	40×2	IP54	2
3	WPLTGBT3E0IP54-30	Left3	25	1234	3
4	WPLTGBT3T3IP54-30	Left3Right3	25×2		3

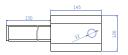
Please refer to Catalogue Numbering System for more.

#### Feed Unit

Feed unit has insulation shield (dual-circuit line busway has separate two circuits)
Three sides of the feed unit have sockets and drop-out holes which is in the right and left and the end sides
Special sealed connector is selected to connect the exible length
Used to connect 2.5mm² -10mm² cable

Cat.#	Type	Number of Outlet	Rated Current (A)	Degree of Protection	Length (m)
WPLTGFT2E0IP54-20	Feed Unit	Left2	25		2
WPLTGFF2F1IP54-20	Feed Unit	Left2Right1	40×2	IP54	2
WPLTGFT3E0IP54-30	Feed Unit	Left3	25	1254	3
WPLTGFT3T3IP54-30	Feed Unit	Left3Right3	25×2		3Plea

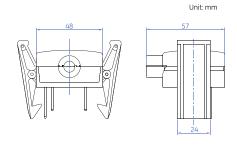
Tab. 7-1





## Tap-off Unit (Plug)

Tap-off unit has 3 wires. It can be converted into L1, N, PE or L2, N, PE or L3, N, PE Flammability property meeting IEC60332-1 Cable length and type can be nominated by the purchaser



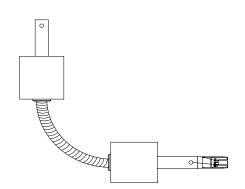
Cat.#	Type	Degree of Current (A)	Phase	Degree of Protection	Length (m)
WPLTGP10L1IP54-10	Feed Unit	10	L1	IP54	1
WPLTGP16L2IP54-20	Feed Unit	16	L2	1234	2

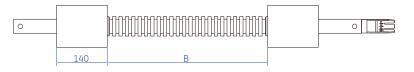
Tab. 7-2

Please refer to Catalogue Numbering System for more.

## Flexible Elbow

Unit: mmB is 0.5m ty



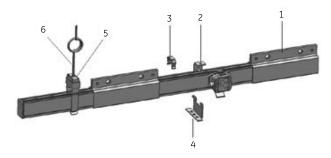


Cat.#	Number of Outlets	Rated Current (A)	Degree of Protection	Length (m)
WPLTGEE0T0IP54-05	0	25		0.5
WPLTGET0E0IP54-10	0	25	IP54	1
WPLTGEE0F0IP54-05	0	40		0.5
WPLTGEF0E0IP54-10	0	40		1

Tab. 7-3

Please refer to Catalogue Numbering System for more .Unit: mm

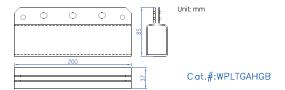
## Accessories



Code	Description			
1	Fixing Bracket			
2	Snap Clamp			
3	Cable Clamp			
4	Fixing Clamp			
5	Suspension Bracket			
6	Mouse Hook			

## Fixing Bracket

Fixing bracket is used to suspend the lighting busway and xtures wire cable or chain, it can also be used to support the joint area to improve mechanical strength.



## **Snap Clamp**

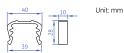
Snap clamp is used to suspend the straight length or for the installation of the lighting xtures (balanced load). It can be used to x the selected straight length.



Cat.#:WPLTGACLP

## Cable Clamp

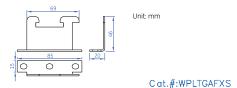
Cable can be xed on a straight length by using cable clamp to simplify the line strike and save space.



Cat.#:WPLTGACBC

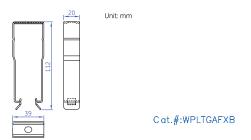
## Fixing Clamp

Fixing clamp is used to x and support the busway when the lighting busway is installed under the oor.



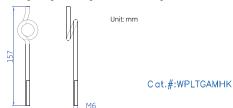
## **Suspension Bracket**

Suspension bracket is used to suspend and x the busway when the lighting busway is installed under the ceiling.



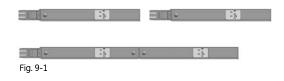
#### Mouse Hook

Mouse hook is used in conjunction with the  $\,$  x bracket to  $\,$  x the lighting busway on the buildings.

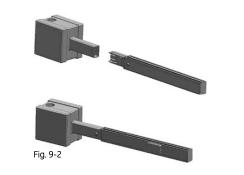


# **Application & Installation**

## Straight Length & Feed Unit

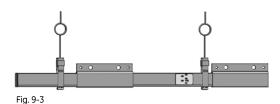


The installation of two straight lengths is illustrated as below. Each length of the system plugs into the adjacent length with just a push, tting the electrical and mechanical joint together. Ensure the joint is pushed fully together leaving no gap.



The installation of the feed unit and straight length is the same as the installation of two str aight lengths. The Feed unit plugs into the adjacent length with a push, fitting the electrical and mechanical joint together. Ensure the joint is pushed fully together leaving no gap.

## **Lighting Busway** Typical Installation



The lighting busway will be xed on the construction. Appropriate support accessories are to be selected for the installation. Fig. 9-3 shows the lighting busway's installation on the beam.

#### Other Installation Examples

# 1. Suspension Installation Fig. 9-4

Please refer to the installation instructions for details of the installation.

2. Side Installation

## **Start Notice**

Determine how the Busway is to be installed to make sure right phase sequence throughout the system.

The Busway housing consists of two parts: " $\Pi$ " part and " $\perp$ " part (Fig. 10-1). Correct installation should be as right to meet claimed IP42/43/IP54 protective grade: the hatch of the " $\Pi$ " part should be oriented to downward (Fig 10-1), the outlet (if have) at side of housing.



Fig.10-1

## Installation Requirements

Please select appropriate accessories in accordance with the actual situation and installation drawings, and ensure the installation of the lighting busway, the mounting brackets and other accessories being in line with the bus strike. Installation space required please refer the following requirements.

The installation distance between any straight lengths is not more than 3 m, the speci c spacing requirements of installation should be illustrated in the installation drawings in accordance with the conditions and circumstances at the scene.

(Concrete spacing and load-bearing of installation, please see the table below)

The mounting brackets should be set up at both ends of the joint, while the maximum spacing should not exceed 1 m

Span of Installation (m)	Concentrated Load (kg)	Average Load (kg)
2.0	18	27
2.5	14	24
3.0	12	18

Tab.10-1

# Ordering Information

Project Name: \_\_\_

# Lighting Busway Technical Agreenment

Product Type:		WavePro LTG:				
Quantity:		Connecting D				
Busway Arrange Drawing:		BOM:	<del> </del>			
Item	WavePro LT Busway Technical Data					
Standard	■GB 7251.1&2-200	6		■IEC-60439-1&2		
Sevice Condition						
Relative humidity not exceed 90% at +20 $\square$						
Altitude (m)	<b>=</b> <2000					
Max. Ambient temperature 🗆 🗆	<b>=</b> 40					
Min. Ambient temperature $\square$	<b>■</b> -5					
Average Ambient teperature	<b>■</b> 35					
	F	ower Source				
Rated Voltage (V)	□415					
Rated Frequency (Hz)	□50	□ 60				
Phase	□3					
Busway Utility Data						
Rated Current (A)	□25	□40	□20×2	□40×2	□25+40	
Number of Phase	□3P5W L1,L2,L3,N100%,PE50%(housing grounding)					
Protection Degree	□IP40	□IP42	□IP43	□IP54		
Short-time Withstand Current (kA/1s)	□0.69 (25A circuit) □0.94 (40A circuit)					
Phase Sequence	□ L1,L2,L3, N,PE(Fro □Other Phase Color:	om Top to Bottom) GB Standard	□IEC Standard			

Project No: \_\_\_\_

Packing
Transportation
Special Claim

<sup>\*</sup> The detailed busway catalogue & quantity see attachment.

# Frequent Used Catalogue Number

Product Code	Outlet	Current (A)	IP Protection	Length (m)	Product Description
Straight lengthWPLTG	SBE0T0IP54				
	0	25	IP54	2	2m, IP54, Bus trunking system/along current direction, no circuit on left side, no socket; along current direction, 25A circuit on right side, no socket)
WPLTGBE0T0IP54-30	0	25	IP54	3	3m, IP54, Bus trunking systemialong current direction, no circuit on left side, no socket; along current direction, 25A circuit on right side, no socket)
WPLTGBE0T1IP54-20	1	25	IP54	2	2m, IP54, Bus trunking system/along current direction, no circuit on left side, no socket; along current direction, 25A circuit on right side, with 1 socket
WPLTGBE0T1IP54-30	1	25	IP54	3	3m, IPS4, Bus trunking system/along current direction, no circuit on left side, no socket; along current direction, 25A circuit on right side, with 1 socket)
WPLTGBE0T2IP54-20	2	25	IP54	2	2m, IP54, Bus trunking system/along current direction, no circuit on left side, no socket; along current direction, 25A circuit on right side, with 2 sockets)
WPLTGBE0T2IP54-30	2	25	IP54	3	3m, IP54, Bus trunking system/along current direction, no circuit on left side, no socket; along current direction, 25A circuit on right side, with 2 sockets)
WPLTGBE0T3IP54-30	3	25	IP54	3	3m, IP54, Bus trunking system/along current direction, no circuit on left side, no socket; along current direction, 25A circuit on right side, with 3 sockets)
WPLTGBE0F0IP54-20	0	40	IP54	2	2m, IP54, Bus trunking system/along current direction, no circuit on left side, no socket; along current direction, 40A circuit on right side, no socket)
WPLTGBE0F0IP54-30	0	40	IP54	3	3m, IP54, Bus trunking system/along current direction, no circuit on left side, no socket; along current direction, 40A circuit on right side, no socket)
WPLTGBE0F1IP54-20	1	40	IP54	2	2m, IP54, Bus trunking system/along current direction, no circuit on left side, no socket; along current direction, 40A circuit on right side, with 1 socket
WPLTGBE0F1IP54-30	1	40	IP54	3	3m, IP54, Bus trunking system/along current direction, no circuit on left side, no socket; along current direction, 40A circuit on right side, with 1 socket
WPLTGBE0F2IP54-20	2	40	IP54	2	2m, IP54, Bus trunking system/along current direction, no circuit on left side, no socket; along current direction, 40A circuit on right side, with 2 sockets)
WPLTGBE0F2IP54-30	2	40	IP54	3	3m, IPS4, Bus trunking system(along current direction, no circuit on left side, no socket; along current direction, 40A circuit on right side, with 2 sockets)
WPLTGBE0F3IP54-30	3	40	IP54	3	3m, IPS4, Bus trunking system(along current direction, no circuit on left side, no socket; along current direction, 40A circuit on right side, with 3 sockets)
WPLTGBT0E0IP54-20	0	25	IP54	2	2m, IPS4, Bus trunking system(along current direction, 25A circuit on left side, no socket; along current direction, no circuit on right side, no socket)
WPLTGBT0E0IP54-30	0	25	IP54	3	3m, IPS4, Bus trunking system(along current direction, 25A circuit on left side, no socket; along current direction, no circuit on right side, no socket)
WPLTGBT1E0IP54-20	1	25	IP54		2m, IPS4, Bus trunking system(along current direction, 25A circuit on left side, with 1 socket; along current direction, no circuit on right side, no socket)
WPLTGBT1E0IP54-30	1	25	IP54		3m, IPS4, Bus trunking sustem/along current direction, 25A circuit on left side, with 1 socket; along current direction, no circuit on right side, no socket)
WPLTGBT2E0IP54-20	2	25	IP54		2m, IP54, Bus trunking systemialong current direction, 25A circuit on left side, with 2 sockets; along current direction, no circuit on right side, no socket)
WPLTGBT2E0IP54-30	2	25	IP54		3m, IP54, Bus trunking system(along current direction, 25A circuit on left side, with 2 sockets; along current direction, no circuit on right side, no socket)
WPLTGBT3E0IP54-30	3	25	IP54		3m, IPS4, Bus trunking systemialong current direction, 2SA circuit on left side, with 3 sockets; along current direction, no circuit on right side, no socket)
WPLTGBF0E0IP54-20	0	40	IP54	2	2m, IP54, Bus trunking systemialong current direction, 40A circuit on left side, no socket; along current direction, no circuit on right side, no socket!
WPLTGBF0E0IP54-30	0	40	IP54		
					3m, IP54, Bus trunking system/along current direction, 40A circuit on left side no socket; along current direction, no circuit on right side, no socket)
WPLTGBF1E0IP54-20	1	40	IP54	2	2m, IP54, Bus trunking systemiolong current direction, 40A circuit on left side, with 1 socket; along current direction, no circuit on right side, no socket)
WPLTGBF1E0IP54-30	1	40	IP54		3m, IP54, Bus trunking system/along current direction, 40A circuit on left side, with 1 socket, along current direction, no circuit on right side, no socket)
WPLTGBF2E0IP54-20	2	40	IP54	2	2m, IP54, Bus trunking system/along current direction, 40A circuit on left side, with 2 sockets; along current direction, no circuit on right side, no socket)
WPLTGBF2E0IP54-30	2	40	IP54		3m, IPS4, Bus trunking system/along current direction, 40A circuit on left side, with 2 sockets; along current direction, no circuit on right side, no socket)
WPLTGBF3E0IP54-30	3	40	IP54		3m, IP54, Bus trunking system/along current direction, 40A circuit on left side, with 3 sockets; along current direction, no circuit on right side, no socket)
WPLTGBF0F0IP54-20	0	40+40	IP54	2	2m, IPS4, Bus trunking system(along current direction, 40A circuit on left side, no socket; along current direction, 40A circuit on right, side, no socket)
WPLTGBF0F0IP54-30	0	40+40	IP54		3m, IP54, Bus trunking system/along current direction, 40A circuit on left side, no socket; along current direction, 40A circuit on right side, no socket
WPLTGBF0F1IP54-20	1	40+40	IP54		2m, IP54, Bus trunking system(along current direction, 40A circuit on left side, no socket; along current direction, 40A circuit on right side, with 1 socket)
WPLTGBF0F1IP54-30	1	40+40	IP54		3m, IPS4, Bus trunking system(along current direction, 40A circuit on left side, no socket; along current direction, 40A circuit on right side, with 1 socket)
WPLTGBF0F2IP54-20	2	40+40	IP54		2m, IPS4, Bus trunking system/along current direction, 40A circuit on left side, no socket; along current direction, 40A circuit on right side, with 2 sockets
WPLTGBF0F2IP54-30	2	40+40	IP54		3m, IP54, Bus trunking system(along current direction, 40A circuit on left side, no socket; along current direction, 40A circuit on right side, with 2 sockets)
WPLTGBF0F3IP54-30	3	40+40	IP54	3	3m, IP54, Bus trunking system(along current direction, 40A circuit on left side, no socket; along current direction, 40A circuit on right side, with 3 sockets)
WPLTGBF1F0IP54-20	1	40+40	IP54	2	2m, IP54, Bus trunking system/along current direction, 40A circuit on left side, with 1 socket; along current direction, 40A circuit on right side, no socket)
WPLTGBF1F0IP54-30	1	40+40	IP54	3	3m, IP54, Bus trunking system/along current direction, 40A circuit on left side, with 1 socket; along current direction, 40A circuit on right side, no socket)
WPLTGBF1F1IP54-20	2	40+40	IP54	2	2m, IP54, Bus trunking system(along current direction, 40A circuit on left side, with 1 socket; along current direction, 40A circuit on right side, with 1 socket)
WPLTGBF1F1IP54-30	2	40+40	IP54	3	3m, IP54, Bus trunking system/along current direction, 40A circuit on left side, with 1 socket; along current direction, 40A circuit on right side, with 1 socket)
WPLTGBF1F2IP54-20	3	40+40	IP54	2	2m, IP54, Bus trunking system/along current direction, 40A circuit on left side, with 1 socket; along current direction, 40A circuit on right side, with 2 sockets)
WPLTGBF1F2IP54-30	3	40+40	IP54	3	3m, IPS4, Bus trunking system(along current direction, 40A circuit on left side, with 1 socket; along current direction, 40A circuit on right side, with 2 sockets)
WPLTGBF1F3IP54-30	4	40+40	IP54	3	3m, IP54, Bus trunking system(along current direction, 40A circuit on left side, with 1 socket, along current direction, 40A circuit on right side, with 3 sockets)
WPLTGBF2F0IP54-20	2	40+40	IP54	2	2m, IP54, Bus trunking system/along current direction, 40A circuit on left side, with 2 sockets; along current direction, 40A circuit on right side, no socket)
WPLTGBF2F0IP54-30	2	40+40	IP54	3	3m, IP54, Bus trunking system(along current direction, 40A circuit on left side, with 2 sockets; along current direction, 40A circuit on right side, no socket)
WPLTGBF2F1IP54-20	3	40+40	IP54	2	2m, IP54, Bus trunking system(along current direction, 40A circuit on left side, with 2 sockets; along current direction, 40A circuit on right side, with 1 socket)
WPLTGBF2F1IP54-30	3	40+40	IP54	3	3m, IP54, Bus trunking system(along current direction, 40A circuit on left side, with 2 sockets; along current direction, 40A circuit on right side, with 1 socket)
WPLTGBF2F2IP54-20	4	40+40	IP54	2	2m, IP54, Bus trunking system(along current direction, 40A circuit on left side, with 2 sockets; along current direction, 40A circuit on right side, with 2 sockets)
WPLTGBF2F2IP54-30	4	40+40	IP54	3	3m, IP54, Bus trunking system(along current direction, 40A circuit on left side, with 2 sockets; along current direction, 40A circuit on right side, with 2 sockets)
WPLTGBF2F3IP54-30	5	40+40	IP54	3	3m, IP54, Bus trunking system(along current direction, 40A circuit on left side, with 2 sockets; along current direction, 40A circuit on right side, with 3 sockets)
WPLTGBF3F0IP54-30	3	40+40	IP54	3	3m, IPS4, Bus trunking system(along current direction, 40A circuit on left side, with 3 sockets; along current direction, 40A circuit on right side, no socket)
WDI TCD52511054 30	4	40+40	IP54	3	3m, IPS4, Bus trunking system/along current direction, 40A circuit on left side, with 3 sockets; along current direction, 40A circuit on right side, with 1 socket)
WPLIGBE3F1IP54-30					
WPLTGBF3F1IP54-30 WPLTGBF3F2IP54-30	5	40+40	IP54	3	3m, IPS4, Bus trunking system/along current direction, 40A circuit on left side, with 3 sockets; along current direction, 40A circuit on right side, with 2 sockets)

Product Code	Outlet	Current (A)	IP Protection	Length (m)	Product Description
Elbow					
WPLTGEE0T0IP54-20	0	25	IP54	2	2m, IP54, Elbow(with one input and one output terminal box/lalong current direction, no circuit on left side, no socket; along current direction, 25A circuit on right side, no socket)
WPLTGEE0T0IP54-30	0	25	IP54	3	3m, IPS4, Elbow/with one input and one output terminal box/kalong current direction, no circuit on left side, no socket; along current direction, 2SA circuit on right side, no socket)
WPLTGET0E0IP54-20	0	25	IP54	2	2m, IP54, Elbow/with one input and one output terminal box/lalong current direction, 25A circuit on left side, no socket; along current direction, no circuit on right side, no socket)
WPLTGET0E0IP54-30	0	25	IP54	3	3m, IP54, Elbowlwith one input and one output terminal box  along current direction, 25A circuit on left side, no socket; along current direction, no circuit on right side, no socket)
WPLTGEE0T0IP55-30	0	25	IP55	3	3m, IP54, Elbowlwith one input and one output terminal box/lalong current direction, no circuit on left side, no socket; along current direction,25A circuit on right side, no socket)
WPLTGEE0F0IP54-20	0	40	IP54	2	2m, IP54, Elbow(with one input and one output terminal box/lalong current direction, no circuit on left side, no socket; along current direction, 40A circuit on right side, no socket)
WPLTGEE0F0IP54-30	0	40	IP54	3	3m, IPS4, Elbow(with one input and one output terminal box/lalong current direction, no circuit on left side, no socket; along current direction, 40A circuit on right side, no socket)
WPLTGEF0E0IP54-20	0	40	IP54	2	2m, IP54, Elbow(with one input and one output terminal box/lalong current direction, 40A circuit on left side, no socket; along current direction, no circuit on right side, no socket)
WPLTGEF0E0IP54-30	0	40	IP54	3	3m, IPS4, Elbow(with one input and one output terminal box/lalong current direction, 40A circuit on left side, no socket; along current direction, no circuit on right side, no socket)
WPLTGEE0F0IP55-30	0	40	IP55	3	3m, IPS4, Elbowlwith one input and one output terminal box/lalong current direction, no circuit on left side, no socket; along current direction, 40A circuit on right side, no socket)
WPLTGEF0F0IP54-20	0	40+40	IP54	2	2m, IPS4, Elbow(with one input and one output terminal box/lalong current direction, 40A circuit on left side, no socket; along current direction, 40A circuit on right side, no socket)
WPLTGEF0F0IP54-30	0	40+40	IP54	3	3m, IPS4, Elbow(with one input and one output terminal box/lalong current direction, 40A circuit on left side, no socket; along current direction, 40A circuit on right side, no socket)
WPLTGEF0F0IP55-30	0	40+40	IP55	3	3m, IP54, Elbow(with one input and one output terminal box/lalong current direction, 40A circuit on left side, no socket; along current direction, 40A circuit on right side, no socket)
Feeder					
WPLTGFE0T0IP54-20	0	25	IP54	2	2m, IP54, Feeder box(with exible tube)(along current direction, no circuit on left side, no socket; along current direction, 25A circuit on right side, no socket)
WPLTGFE0T0IP54-30	0	25	IP54	3	3m, IP54, Feeder box/with exible tube/(along current direction, no circuit on left side, no socket; along current direction, 25A circuit on right side, no socket)
WPLTGFT0E0IP54-20	0	25	IP54	2	2m, IP54, Feeder box/with exible tube//along current direction, 25A circuit on left side, no socket; along current direction, no circuit on right side, no socket)
WPLTGFT0E0IP54-30	0	25	IP54	3	3m, IP54, Feeder box/with exible tube/(along current direction, 25A circuit on left side, no socket; along current direction, no circuit on right side, no socket)
WPLTGFT0E0IP55-20	0	25	IP55	2	2m, IP54, Feeder box/with exible tube/(along current direction, 25A circuit on left side, no socket; along current direction, no circuit on right side, no socket)
WPLTGFE0F0IP54-20	0	40	IP54	2	2m, IP54, Feeder box/with exible tube/(along current direction, no circuit on left side, no socket; along current direction, 40A circuit on right side, no socket)
WPLTGFE0F0IP54-30	0	40	IP54	3	3m, IP54, Feeder box/with exible tube/(along current direction, no circuit on left side, no socket; along current direction, 40A circuit on right side, no socket)
WPLTGFF0E0IP54-20	0	40	IP54	2	2m, IP54, Feeder box/with exible tube/lalong current direction, 40A circuit on left side, no socket; along current direction, no circuit on right side, no socket)
WPLTGFF0E0IP54-30	0	40	IP54	3	3m, IP54, Feeder box/with exible tube//along current direction, 40A circuit on left side, no socket; along current direction, no circuit on right side, no socket)
WPLTGFF0E0IP55-20	0	40	IP55	2	2m, IP54, Feeder box/with exible tube/(along current direction, 40A circuit on left side, no socket; along current direction, no circuit on right side, no socket)
WPLTGFF0F0IP54-20	0	40+40	IP54	2	2m, IP54, Feeder box/with exible tube/(along current direction, 40A circuit on left side, no socket; along current direction, 40A circuit on right side, no socket)
WPLTGFF0F0IP54-30	0	40+40	IP54	3	3m, IP54, Feeder box/with exible tube//along current direction, 40A circuit on left side, no socket; along current direction, 40A circuit on right side, no socket)
WPLTGFF0F0IP55-20	0	40+40	IP55	2	2m, IP54, Feeder box/with exible tube/(along current direction, 40A circuit on left side, no socket; along current direction, 40A circuit on right side, no socket)

Product Code	Outlet (A)	IP Protection	Length (m)	Phase	Product Description
Plug					
WPLTGP10L1IP54-10	10	IP54	1	L1	phase L1 (phase A) output10APlug
WPLTGP10L1IP54-20	10	IP54	2	L1	phase L1 (phase A) output10APlug
WPLTGP10L2IP54-10	10	IP54	1	L2	phase L2 (phase B) output10APlug
WPLTGP10L2IP54-20	10	IP54	2	L2	phase L2 (phase B) output10APlug
WPLTGP10L3IP54-10	10	IP54	1	L3	phase L3 (phase C) output10APlug
WPLTGP10L3IP54-20	10	IP54	2	L3	phase L3 (phase C) output10APlug
WPLTGP16L1IP54-10	16	IP54	1	L1	phase L1 (phase A) output16APlug
WPLTGP16L1IP54-20	16	IP54	2	L1	phase L1 (phase A) output16APlug
WPLTGP16L2IP54-10	16	IP54	1	L2	phase L2 (phase B) output16APlug
WPLTGP16L2IP54-20	16	IP54	2	L2	phase L2 (phase B) output16APlug
WPLTGP16L3IP54-10	16	IP54	1	L3	phase L3 (phase C) output16APlug
WPLTGP16L3IP54-20	16	IP54	2	L3	phase L3 (phase C) output16APlug

Product Code	Product Description
Accessory	
WPLTGAHGB	Fixing Bracket
WPLTGACLP	Snap Clamp
WPLTGACBC	Cable Clamp
WPLTGAFXS	Fixing Clamp
WPLTGAFXB	Suspension Bracket
WPLTGAMHK	Mouse Hook

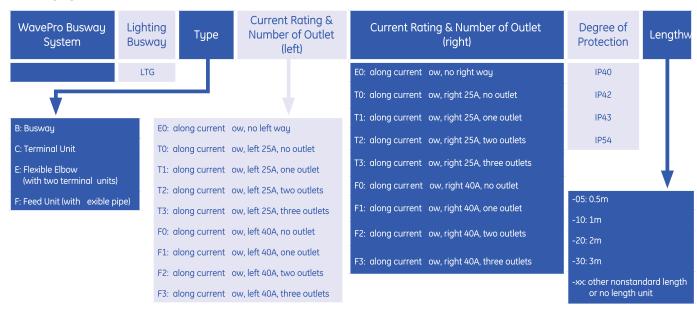
# **Acsesories list**

Item	Description LB (Lightin	Spec	Unit	
Lighting Busway		Electroducto de lluminación L=3000mm Cu_3P4W_Housing as 50% PE_40A	section	
Outlet	1111	Apertura instalada en cada barra	nos	
Feed unit		Caja para alimentacion	nos	
Plug		Salida a luminaria 6 o 10 amperios	nos	
End cover		Tapa final	nos	
Suspension bracket		Soporte	nos	
Fixing bracket		Tapa de union	nos	
Cable clamp	30	Soporte de cable	nos	

# Catalogue Numbering System

WavePro LTG lighting busway can be ordered by catalogue number, please contact GE engineer to place order in accordance with below catalog numbering system.

#### **Trunking System**



WavePro Busway System	Lighting Busway	Туре	Current Rating	Phase	Degree of Protection	Cable Lengthwp
	LTG	P□Tap-off Unit (Plug)	10: 10A	L1: L1or A Phase	IP40	-10□1m
			16: 16A	L2: L2 or B Phase	IP42	-20□2m
				L3: L3 or C Phase	IP43	-xx: other nonstandard length
					IP54	

WavePro Busway System	Lighting Busway	Type	Componentwp
	LTG	A: Accessory	HGB (Fixing Bracket)
			CLP (Snap Clamp)
			CBC (Cable Clamp)
			FXS (Fixing Clamp)
			FXB (Suspension Bracket)
			MHK (Mouse Hook)

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# SERIE ILUMINACIÓN



