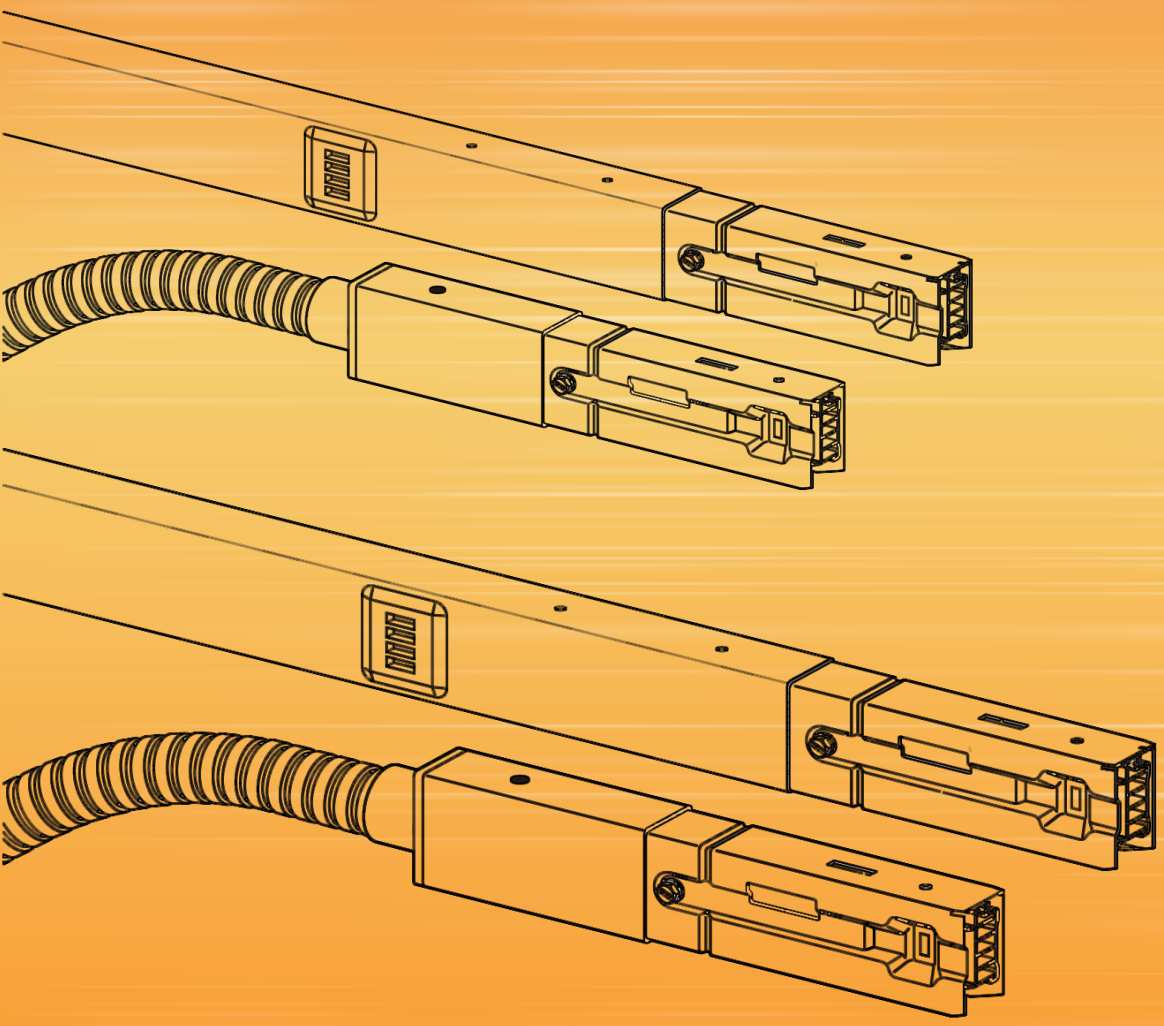
BUSBAR TRUNKING SYSTEM
BUSWAY
25A - 40A

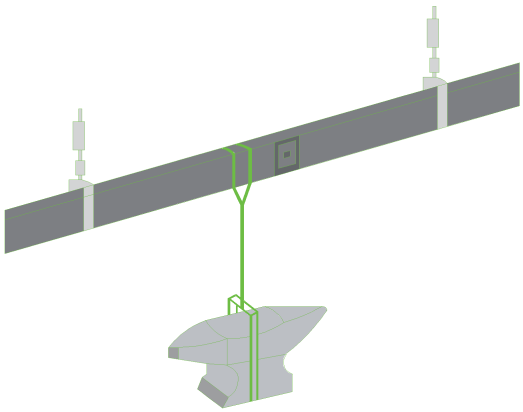


LIGHTING BAR

compac
ELECTRIC

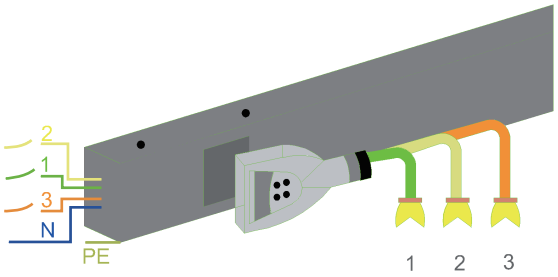
STRONG STRUCTURE

COMPAC lighting bar enclosure is made of aluminum-magnesium alloy, which has excellent load-bearing capacity even at the joint.



THREE-PHASE DESIGN

Provide up to three loop lighting control.

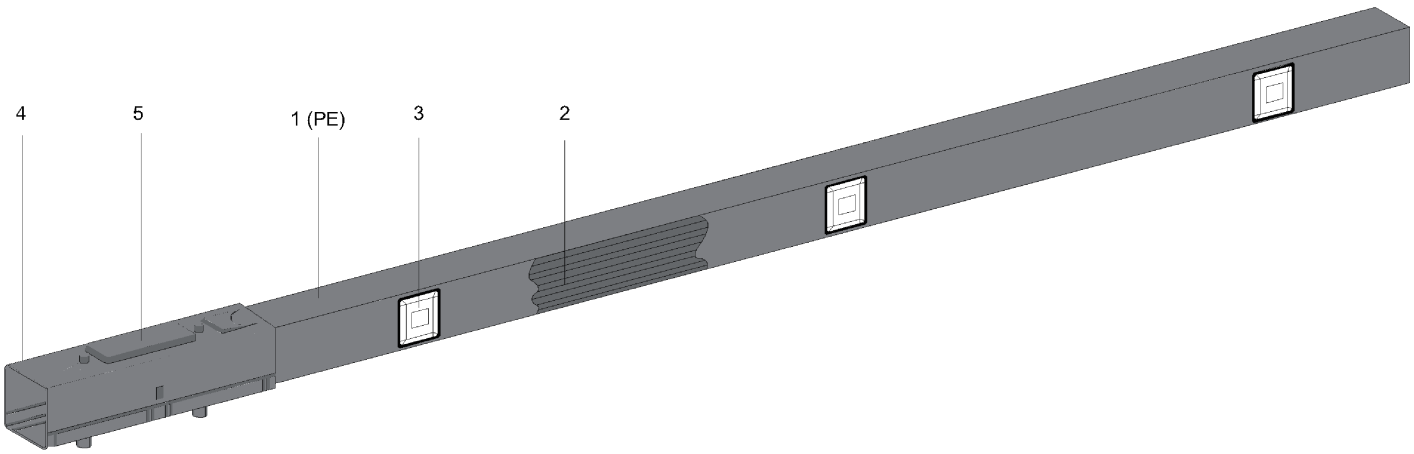


HIGH LEVEL OF PROTECTION

Water and dust protection IP55.
In spray test, COMPAC lighting bar can keep working under 50 minutes in the vertical and horizontal water spray condition.
COMPAC lighting bar has high level of protection, can be applied to all types of buildings.

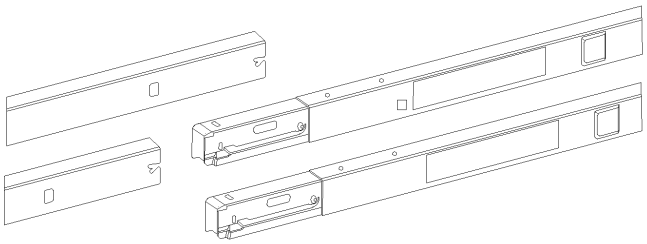
COMPAC LIGHTING BUSBAR FEATURES

1. Aluminum-magnesium alloy enclosure is more solid, loading capacity is more stronger and the enclosure also can be used for earthing
2. CP-LBB lighting bar has 8 tin-plated copper conductors for two -circuit.
3. Straight elements are 2m or 3m, and have 3 or 5 tap-off point.
4. Electrical connection device, automatic synchronous contact of each phase.
5. The mechanical interlocking device is composed of galvanized steel plates to ensure good mechanical properties.



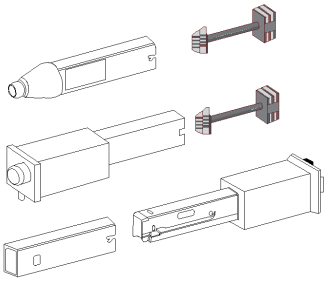
1. Straight Element

- Rated Current: 25A, 40A
- Conductor Qty: 2 or 4
- Standard Length: 2m, 3m



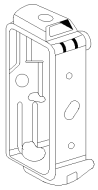
2. Feeder Units and End Cap

Feeder Units are used to connect cable and straight elements.
End Caps are used to seal lighting bar terminal.



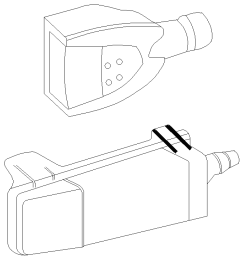
3. Fixing Brackets

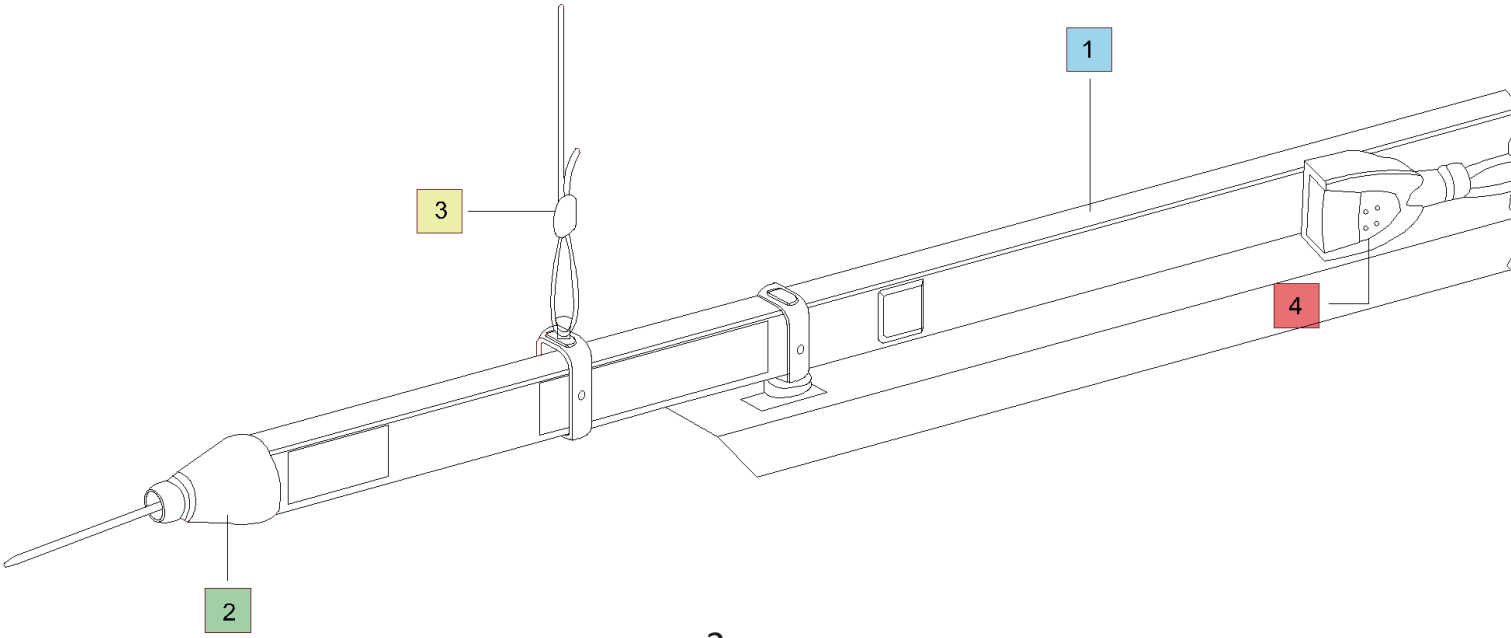
Fixing bracket can fix luminaires and lighting bar.



4. Tap-off Units

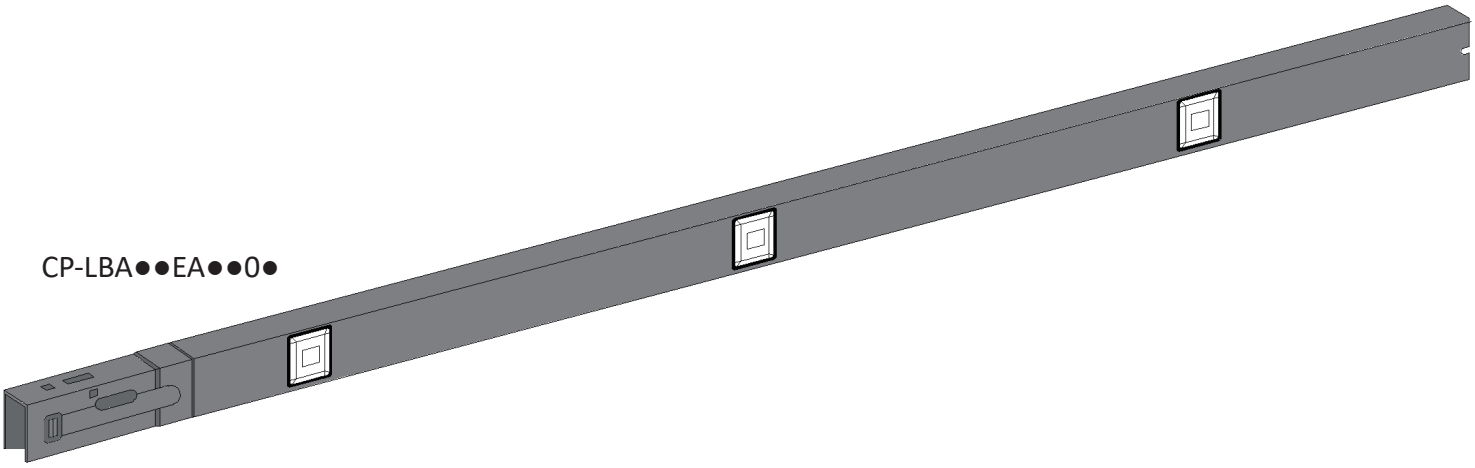
There are 10A, 16A tap-off unit; 10A tap-off unit can pre-wired cable, prefarbic ated connector and can be connected with the switch.
16A tap-off units can be fuse protection, single or three phase.
Tap-off units can be applied all series lighting bar.





Straight Element

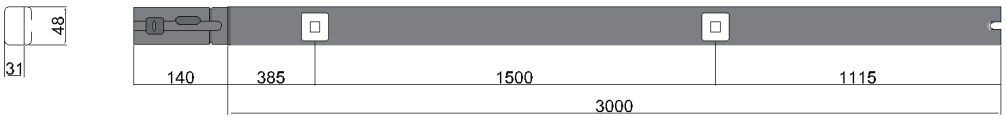
CP-LBA●●EA●●0●



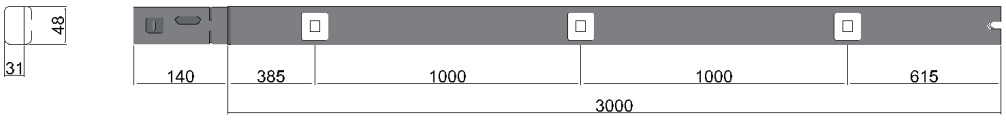
Conductor	Length (mm)	Tap-off Point Qty	Type 25A	Weight kg	Type 40A	Weight kg
PE L1 N	3000	2	CP-LBA25EA2302	2400	—	—
		3	CP-LBA25EA2303	2400	CP-LBA40EA2302	2700
	2000	3	—	—	CP-LBA40EA2203	1700

Conductor	Length (mm)	Tap-off Point Qty	Type 25A	Weight kg	Type 40A	Weight kg
PE L2 L1 L3 N	3000	2	CP-LBA25EA4302	2400	—	—
		3	CP-LBA25EA4303	2600	CP-LBA40EA4303	3100
	2000	2	CP-LBA25EA4202	1900	—	—
		3	—	—	CP-LBA25EA4203	1900

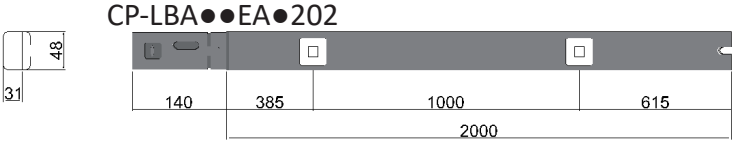
CP-LBA●●EA●302



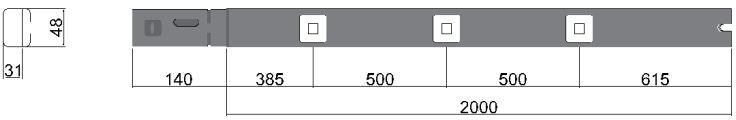
CP-LBA●●EA●303



CP-LBA●●EA●202

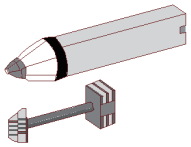


CP-LBA●●EA●203

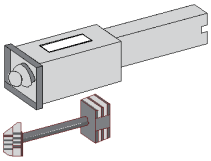


Feeder Units

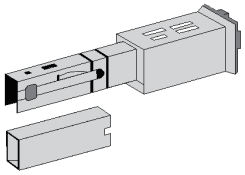
	Current (A)	Installation	Terminal Block (mm²)	Maximum Cable Diameter (mm²)	Type	Weight (kg)
Feeder Units	25	Left	4	15	CP-LBA 25ABL4	0.2
	40	Left	10	19	CP-LBA 40ABL4	0.4
	25 or 40	Right	10	19	CP-LBA 40ABR4	0.5



CP-LBA 25ABL4

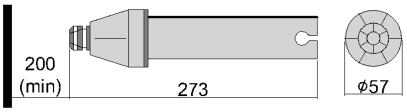


CP-LBA 40ABL4

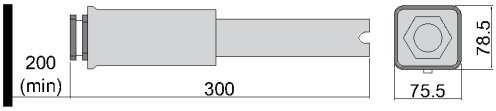


CP-LBA 25ABL4

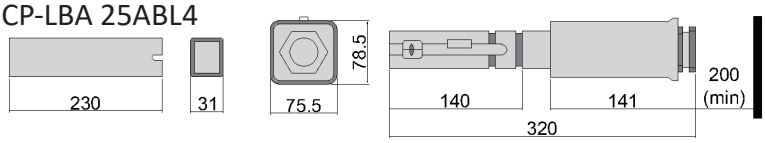
CP-LBA 25ABL4



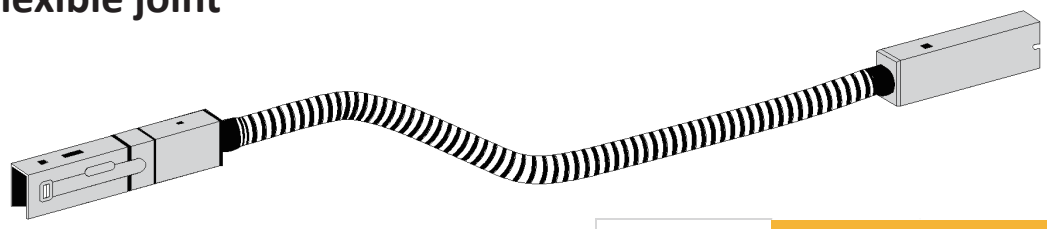
CP-LBA 40ABL4



CP-LBA 25ABL4



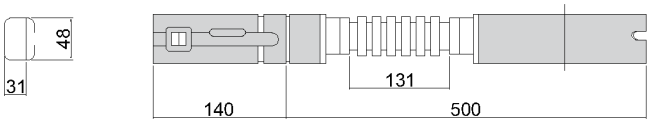
Flexible joint



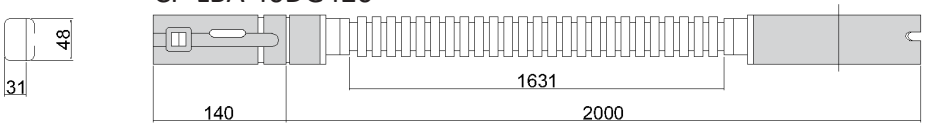
CP-LBA 40DG4●●

	Length (m)	Type	Weight (kg)
Flexible Joint	0.5	CP-LBA 25ABL4	0.050
	2	CP-LBA 40ABL4	0.105

CP-LBA 40DG405



CP-LBA 40DG420



SPECIFICATIONS

Rated Current	A	25	40
General Characteristics			
Reference Standard		IEC61439-6(2012), IEC60439-1 & 2	
Rated Operation Voltage	Volts	220/400	
Rated Insulation Voltage	Volts	690	
Rated Impulse Voltage	kVolts	4	
Frequency	Hz	50/60	
Conductor	Poles	2/4	2/4
Mechanica	IK	06	
Protection Degree (IP Class)		IP 55	
Short-circuit Withstand Capacity			
Rated Short-time Withstand Current(1s)-Icw	kA	0.44	0.94
Rated Peak Withstand Current-Ipk	kA	4.40	9.60
Conductor Characteristics			
AVG Resistance(20 °C)	mΩ/m	6.80	2.83
AVG Resistance(35 °C)	mΩ/m	8.30	3.46
Protective Conductos(PE)			
AVG Resistance(20 °C)	mΩ/m	1.57	1.57
Fault Loop Characteristics			
AVG Resistance(20 °C)-Ph/Ph	mΩ/m	13.61	5.68
AVG Resistance(20 °C)-Ph/N	mΩ/m	13.61	5.68
AVG Resistance(20 °C)-Ph/PE	mΩ/m	11.01	7.66
AVG Resistance(Rated Current 35 °C)-Ph/Ph	mΩ/m	16.60	6.91
AVG Resistance(Rated Current 35 °C)-Ph/N	mΩ/m	16.60	6.91
AVG Resistance(Rated Current 35 °C)-Ph/PE	mΩ/m	12.50	8.7
Voltage Drop Ph-Ph	**This following data is under load diversity 60hz and three phase.**		
Power Factor(V/100 m/A)	1	0.72	0.30
	0.9	0.67	0.28
	0.8	0.61	0.25
	0.7	0.54	0.22

Permissible Current as a Function of Ambient Temperature							
Environmental Temperture	°C	<35	35	40	45	50	55
Coefficient K1	%	NA	1	0.96	0.93	0.89	0.85

Your Idea System!

COMPAC

ELECTRIC

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