

WP2 LED

Weatherproof Battens

A WEATHERPROOF LUMINAIRE FOR ALL TYPES
OF ENVIRONMENTAL CONDITIONS



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INSIDE

THE GLOBAL SPECIALIST
IN ELECTRICAL AND DIGITAL BUILDING INFRASTRUCTURES

 **legrand**[®]

LIGHTING

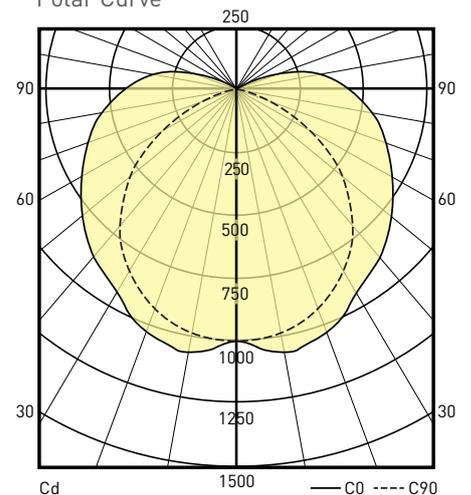
for demanding applications



It is important to select lighting solutions that are reliable, durable and perform in all weather conditions and environments. The Legrand WP2 LED Weatherproof Batten is designed to suit demanding applications including high humidity, damp, dusty and/or corrosive locations.

The WP2 LED offers the complete solution in commercial and industrial applications for mains, emergency and Axiom wired/wireless monitored emergency.

Polar Curve



685070 - WP2L12 LED Batten 4K Mains
ULOR: 10%
DLOR: 90%

This polar curve diagram shows the light distribution of the WP2 LED weatherproof batten.



Manufactured
in Australia

THE SMART WP2 LED

weatherproof batten with superior optics

LED LIFE SPAN

LEDs useful life of 50,000 hrs L70 at ambient temperature up to 40°C

TOGGLES

Quick release gear tray toggles for fast installation

LED OPTICS

Dedicated LED engine for optimum light output and distribution. 4000K colour temperature LEDs with CRI > 80

CONTROL OPTIONS

Wide range of gear options:

- Mains
- Standalone emergency
- Axiom wired/wireless monitored emergency
- Options of integral ON/OFF sensor or Auto-Occupancy sensor

BUSBAR INSTALLATION

DALI options available for ease of integrating onto the Legrand LBplus busbar for a complete lighting management and power distribution solution (see p.5)

LENGTH

Available in:

- 2 foot 2,000lm - WP2L6
- 4 foot 4,000lm - WP2L12

BODY

Glass Reinforced Polyester (GRP) body for corrosion resistance and high strength

CLIPS

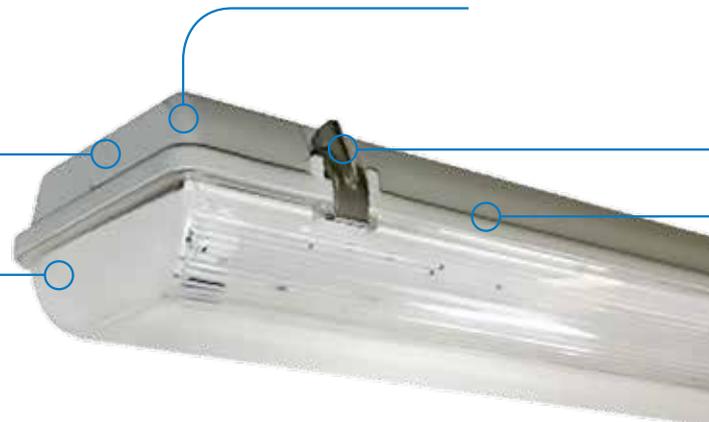
316 stainless steel hinging diffuser clips ideal for corrosive environments

IMPACT RATING

IK 08 impact resistant polycarbonate diffuser and body

GASKET

Silicone gasket and glands ensuring IP65 protection



ENERGY SAVINGS

in stairwells with auto-occupancy sensor

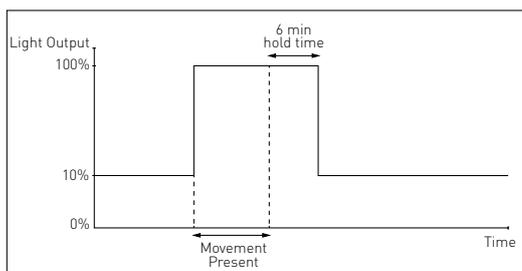
High maintenance and operational costs mean that facility and building managers are continuously searching for ways to reduce energy costs especially in luminaires that have high energy usage.

Lighting in intermittently occupied areas, such as emergency exit stairwells, when controlled with the integrated auto-occupancy sensor creates potential cost savings without sacrificing safety or performance.

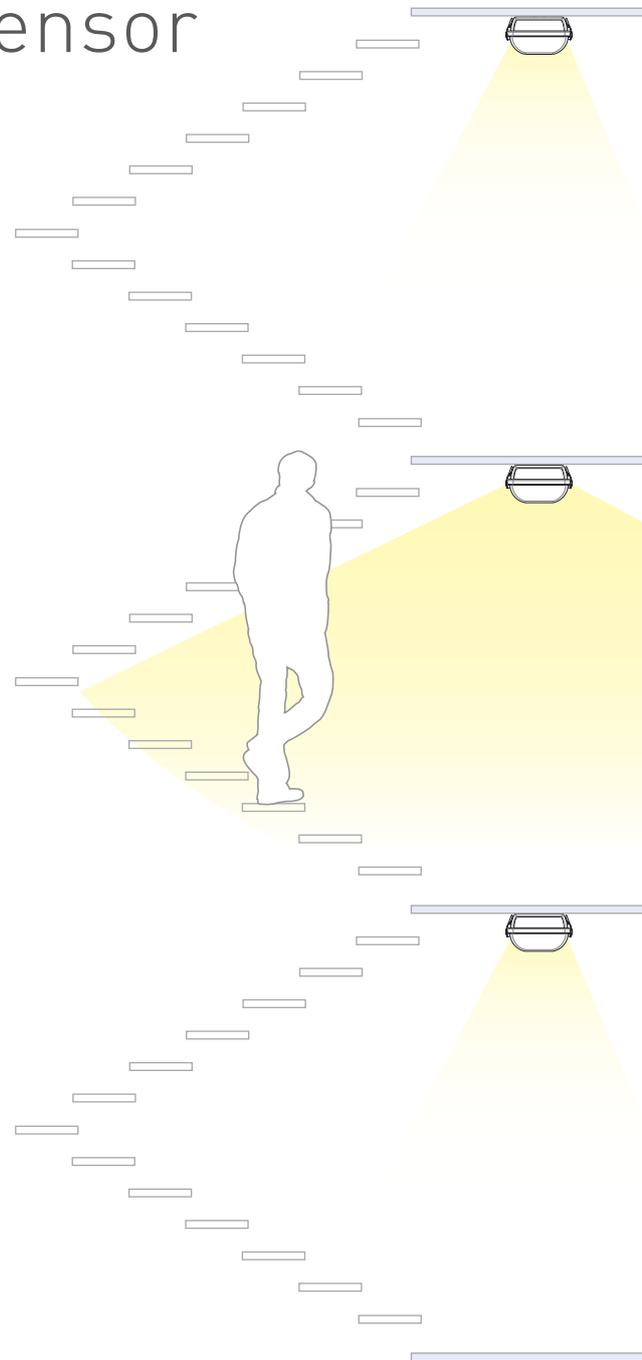
Application Example

Constant illumination is required in stairwells, however, in majority of cases stairwells are not frequently used resulting in unnecessary power being consumed. Installing WP2 LED battens with an integrated auto-occupancy sensor can significantly reduce power consumption down to 5.1W* with up to **83%** power savings.

Auto-occupancy sensor function



WP2L6 (2 foot, 2,000lm) mains consumes 5.1W in auto-occupancy mode
WP2L12 (4 foot, 4,000lm) mains consumes 8.9W in auto-occupancy mode



Automatic dimming in stairwells via the auto-occupancy sensor

*Power consumption of WP2L6 (2 foot, 2,000lm) mains with auto-occupancy function

IMPROVED LIGHTING

for car parks with LED lighting

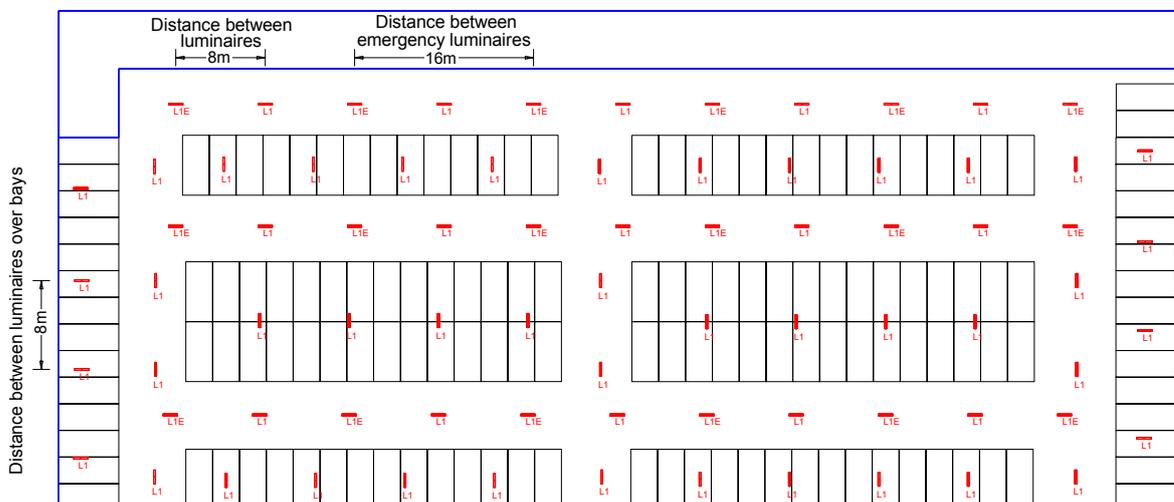
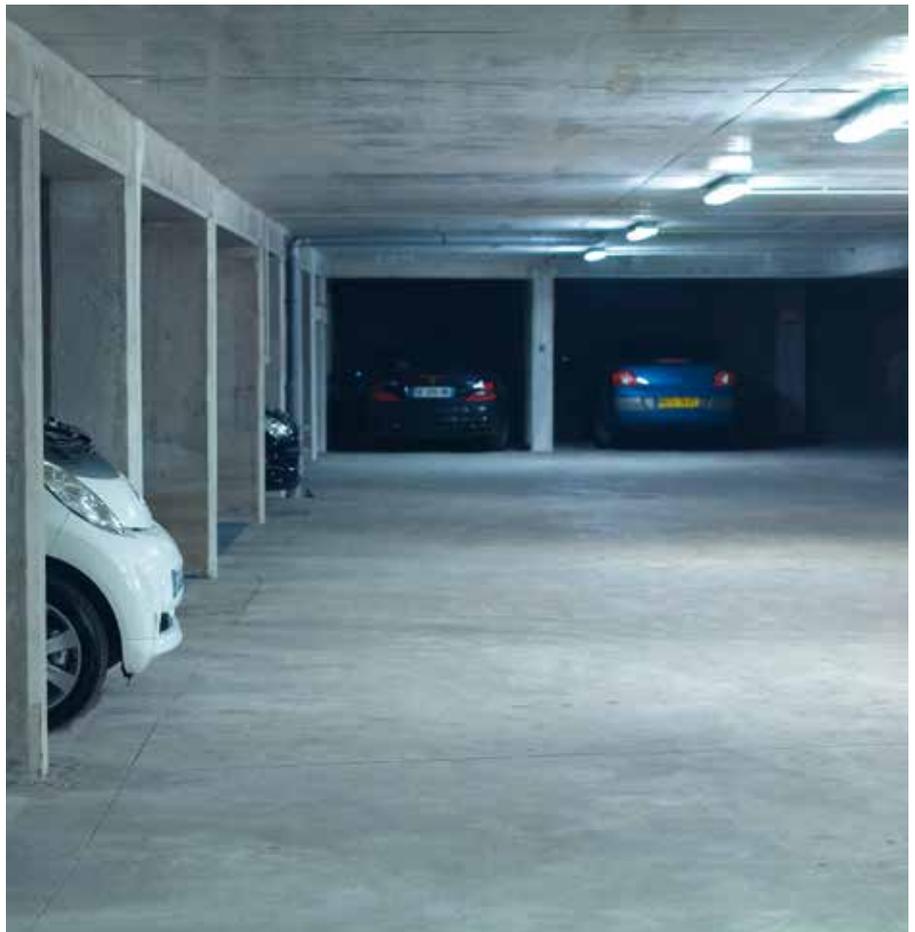
Lighting plays a significant role in the safety and security of users and their vehicles in car parks, by installing quality lighting, users will be reassured and environments improved.

Installing the energy efficient WP2 LED luminaire in a car park will provide superior lighting, safety and security while reducing energy and maintenance costs.

Significant energy savings and longer maintenance cycles can be achieved by using WP2 LED luminaires. With its superior optics greater spacings can be achieved resulting in lower installation costs.

Application example:

Spacing layout to achieve 40 lux maintained average (as per AS/NZS1680) in an open car park with installation height of 3m with emergency units (as per AS/NZS2293) also indicated.



LBPLUS BUSBAR

the light and power solution
that comes from above



LBplus: One integrated busbar trunking system providing both lighting management and power distribution .

When combined with the WP2 LED battens, the LBplus busbar provides full flexibility in creating specific lighting designs to suit a wide range of applications.

Save on installation costs by fitting the WP2 LED luminaires directly onto the LBplus busbar trunking system.

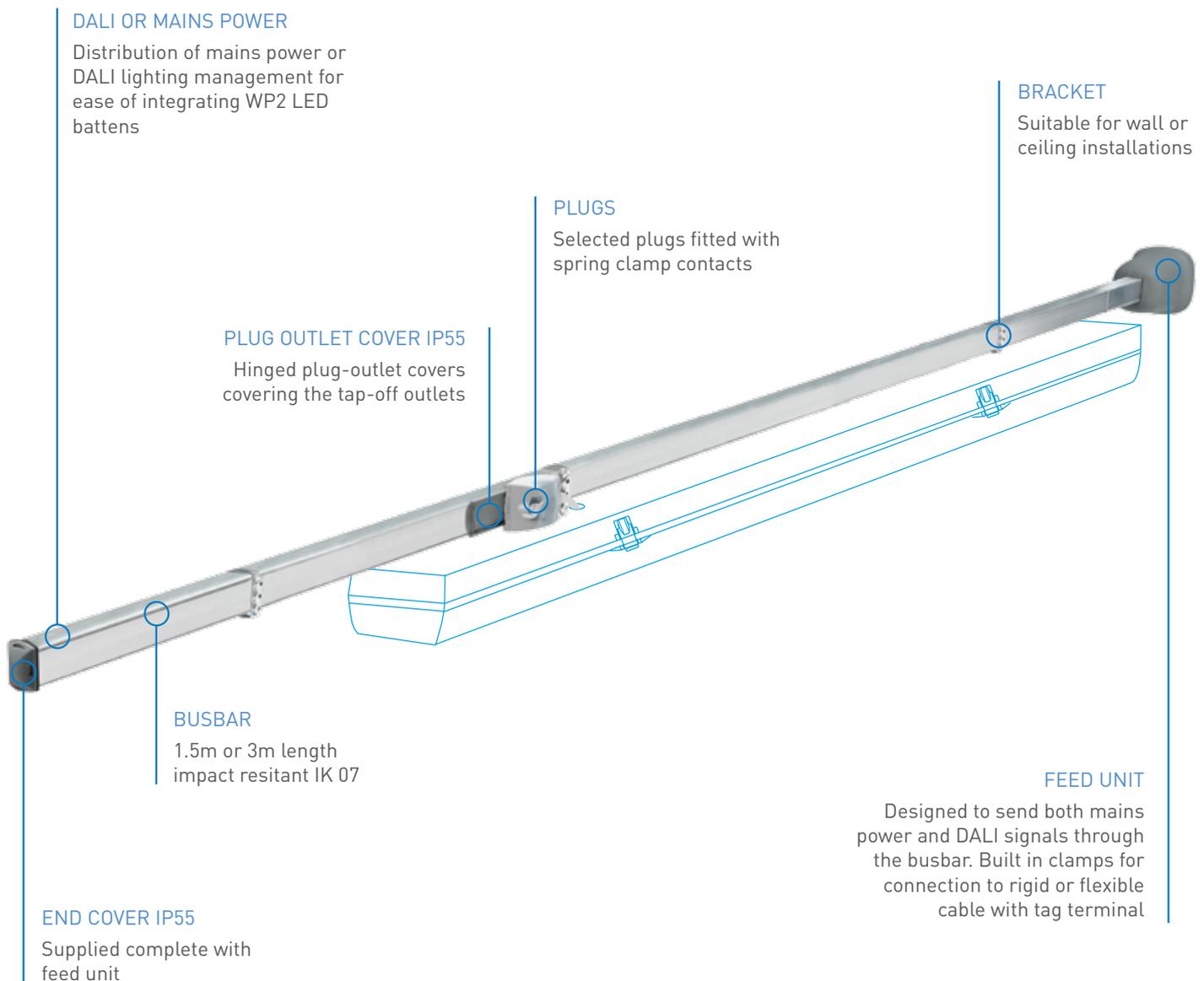
Take control of your lighting by installing the LBplus busbar with DALI option for full lighting and power flexibility.

Ideal for:

- Car parks
- Sports facilities
- Warehouses
- Retail
- Production facilities

SIMPLIFIED INSTALLATION

for increased performance



DALI OR MAINS POWER

Distribution of mains power or DALI lighting management for ease of integrating WP2 LED battens

BRACKET

Suitable for wall or ceiling installations

PLUGS

Selected plugs fitted with spring clamp contacts

PLUG OUTLET COVER IP55

Hinged plug-outlet covers covering the tap-off outlets

BUSBAR

1.5m or 3m length
impact resistant IK 07

FEED UNIT

Designed to send both mains power and DALI signals through the busbar. Built in clamps for connection to rigid or flexible cable with tag terminal

END COVER IP55

Supplied complete with feed unit

WP2 LED Weatherproof Battens



685080

685050

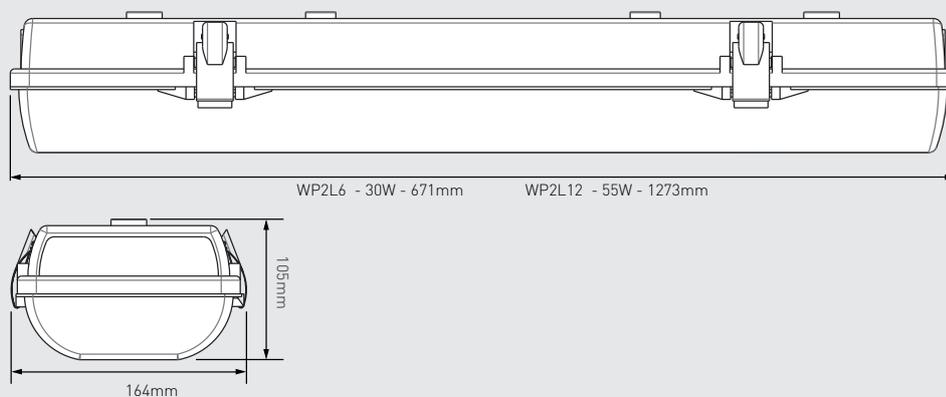
685083

Pack	Cat.Nos	Mains
1	685040	WP2L6 2,000lm 2ft length CRI>80, 4000K colour temperature non-dimmable, mains only
1	685070	WP2L12 4,000lm 4ft length CRI>80, 4000K colour temperature non-dimmable, mains only
Auto-Occupancy sensor		
1	685043	WP2L6 2,000lm 2ft length CRI>80, 4000K colour temperature, mains only
1	685073	WP2L12 4,000lm 4ft length CRI>80, 4000K colour temperature, mains only
On/Off sensor		
1	685041	WP2L6 2,000lm 2ft length CRI>80, 4000K colour temperature non-dimmable, mains only
1	685071	WP2L12 4,000lm 4ft length CRI>80, 4000K colour temperature non-dimmable, mains only
DALI		
1	685042	WP2L6 2,000lm 2ft length CRI>80, 4000K colour temperature DALI dimmable, mains only
1	685072	WP2L12 4,000lm 4ft length CRI>80, 4000K colour temperature DALI dimmable, mains only
Accessories		
1	686244	Spare battery pack 2x5 Sub C. For 4ft models order 2 x 686244

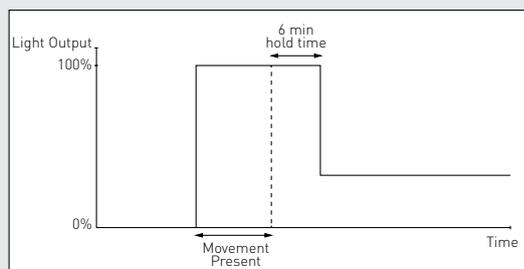
Pack	Cat.Nos	SPU - Maintained/Non-Maintained
SPU		
1	685050	WP2L6 2,000lm 2ft length CRI>80, 4000K colour temperature emergency, NiCd batteries, non-dimmable
1	685080	WP2L12 4,000lm 4ft length CRI>80, 4000K colour temperature emergency, NiCd batteries, non-dimmable
SPU + Auto-Occupancy sensor		
1	685053	WP2L6 2,000lm 2ft length CRI>80, 4000K colour temperature emergency, NiCd batteries
1	685083	WP2L12 4,000lm 4ft length CRI>80, 4000K colour temperature emergency, NiCd batteries
SPU + On/Off sensor		
1	685051	WP2L6 2,000lm 2ft length CRI>80, 4000K colour temperature emergency, NiCd batteries, non-dimmable
1	685081	WP2L12 4,000lm 4ft length CRI>80, 4000K colour temperature emergency, NiCd batteries, non-dimmable
Emergency - Maintained/Non-Maintained monitored		
Axiom		
1	685060	WP2L6 2,000lm 2ft length CRI>80, 4000K colour temperature emergency, NiCd batteries, non-dimmable
1	685090	WP2L12 4,000lm 4ft length CRI>80, 4000K colour temperature emergency, NiCd batteries, non-dimmable
Axiom + Auto-Occupancy sensor		
1	685063	WP2L6 2,000lm 2ft length CRI>80, 4000K colour temperature emergency, NiCd batteries
1	685093	WP2L12 4,000lm 4ft length CRI>80, 4000K colour temperature emergency, NiCd batteries
Axiom + On/Off sensor		
1	685061	WP2L6 2,000lm 2ft length CRI>80, 4000K colour temperature emergency, NiCd batteries, non-dimmable
1	685091	WP2L12 4,000lm 4ft length CRI>80, 4000K colour temperature emergency, NiCd batteries, non-dimmable

Specifications

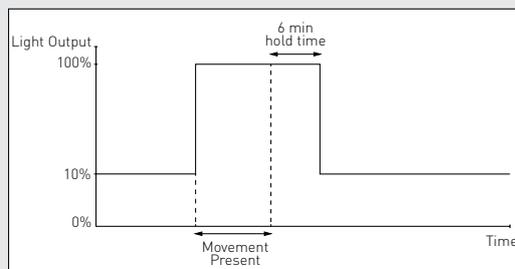
■ Dimensions



■ On/Off sensor function



■ Auto-occupancy sensor function



WP2L6 mains consumes 5.1W in Auto-occupancy mode
 WP2L12 mains consumes 8.9W in Auto-occupancy mode

■ Emergency classification

	C0	C90
WP2L6	D80	D20
WP2L12	D160	D40

■ Spacing table according to AS 2293

Mounting height (m)	2.7	3	3.3	3.6	4	4.5
D20	14.1	14.5	14.8	15.1	15.5	15.8
D40	18	18.6	19.1	19.6	20.1	20.8
D80	22.8	23.6	24.3	25	25.8	26.7
D160	28.9	29.9	30.8	31.7	32.8	34

LBplus

Lighting busbar



0 026 35



75240101



75003000



75201002



75005000

Efficient distribution of power and management of lighting

Pack	Cat.Nos	Installation Brackets
12	75003000	Brackets for wall or ceiling installation of busbar line. Also used for installing the WP2 LED luminaire onto the busbar line, two brackets required for each WP2 LED luminaire. Rated to hold up to 60kg each.
6	75240101	Straight length Busbar Mains 3m length 3 phase 63A with 2 x outlets on each side
	75240111	1.5m length 3 phase 63A with 1 x outlet on each side
6	75220102D	Mains + DALI 3m length 3 phase 40A with 4 x outlets on each side
	75220111D	1.5m length 3 phase 40A with 1 x outlet on each side
1	75241002	Feed unit Mains 3 phase feed unit and end cover for 63A busbar
1	75221002D	Mains + DALI 3 phase + 2 x DALI conductor feed unit and end cover for 40A busbar
10	75005000	Plugs with selection phase Mains 16A phase selection plug without cable
10	75005006D	Mains + DALI 16A phase selection and DATA BUS with 1m cable
1	002635	DALI/KNX Gateway For controlling up to 64 DALI drivers

To make a complete busbar line: order the required straight length of busbar (a combination of 3m or 1.5m length), installation brackets for busbar and WP2 LED luminaire, feed unit for each run and the required number of plugs for each WP2 LED luminaire.

Other installation methods and flexible joints available. Contact us for more information.



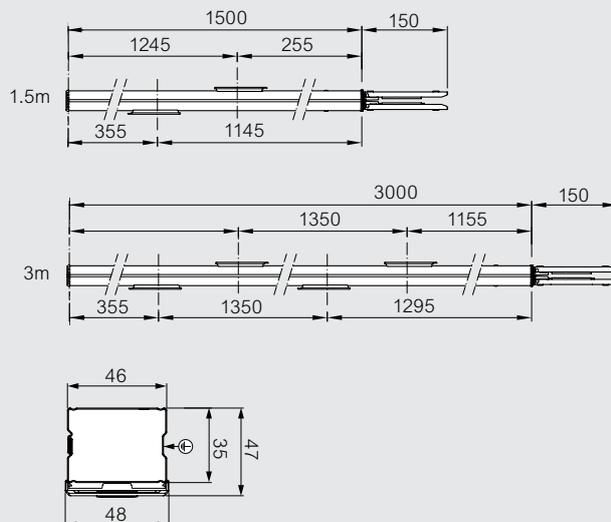
SPECIFICATIONS

LBplus

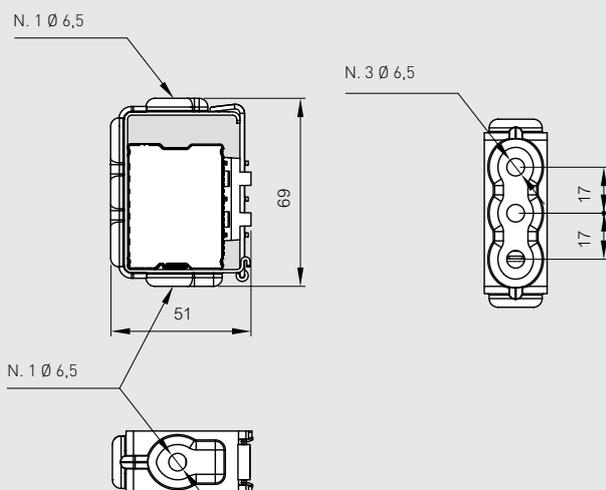
■ Dimensions

LBplus busbar

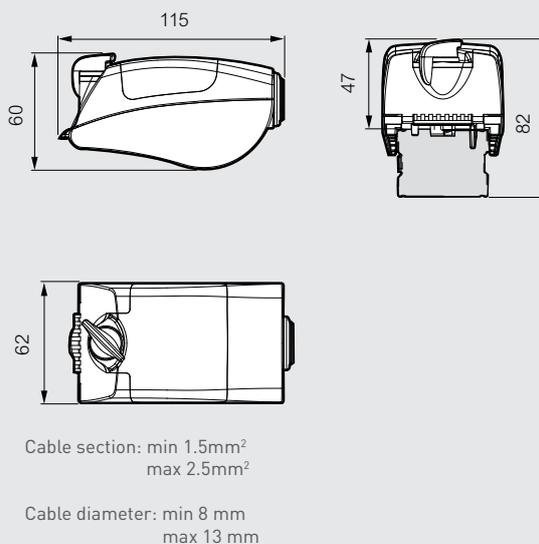
- In compliance with standard IEC 61439-6
- Degree of Protection IP55
- Impact resistance IK07
- Rated current In 63A
- Straight lengths material: Galvanised steel



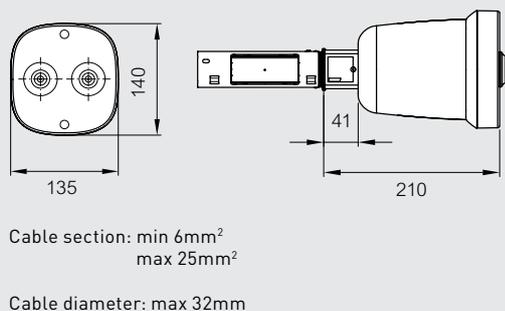
■ Brackets



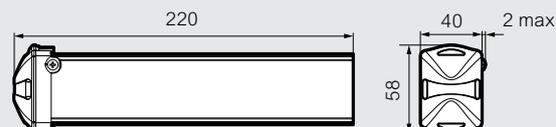
■ Plugs 16 A



■ Feed unit



■ Connection End cover



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