

Ingenious solutions



Professional lighting



Catalogue 2015

SPC includes:

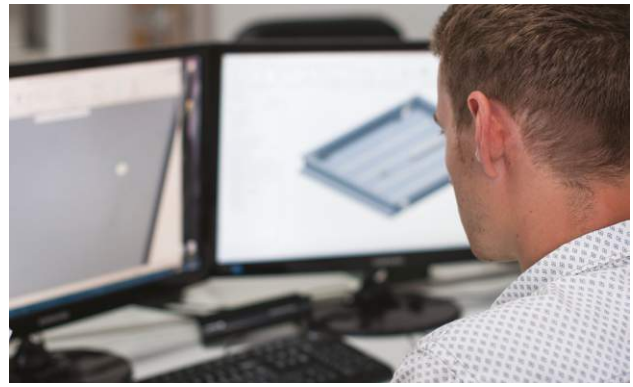
- ▶ Production shop;
- ▶ R&D center;
- ▶ Class A logistics complex, covering an area of 5000 m<sup>2</sup> with its own vehicle fleet;
- ▶ The lighting laboratory.

Production shop covers an area of over 20,000 m<sup>2</sup> and consists of production line, painting line, plastic molding, assembly shop, quality control division and packaging line. Currently the company produces 10,000 luminaries per day.

The lighting laboratory was launched in the 4th quarter of 2013. This allows to study lighting products during production process and to evaluate their effectiveness and safety. The laboratory is provided with the most advanced equipment, such as:

- ▶ goniophotometer with high accuracy measurement of photometric parameters (luminous flux, CRI and luminous intensity, IES-files);
- ▶ two photometric spheres for measuring lighting characteristics of small-sized products;
- ▶ instruments for testing products for electrical safety and electromagnetic compatibility;
- ▶ equipment to study the degradation of diodes.

All lighting products are distributed with a 3-year quality guarantee starting from the date of purchase. Each product comes with detailed information about the guarantee, certification and wiring schemes.



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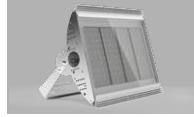
## Bulkhead lighting



- 59 LED luminaires LUX 1235×160×65mm
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## Industrial lighting



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## Street lighting

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# Symbols

## Page navigation

Model name

Description of the model

Model picture

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Model scheme

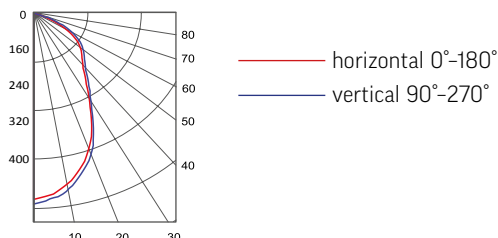
Luminous intensity diagrams

Pictograms

Technical specifications

Implemented projects

## Light intensity curve



**LED luminaires 595x595x50mm**  
for high ceilings

**Housing**

- All-metal housing made of sheet steel with white powder paint application
- IP20/IP40 on request
- See p.9 for detailed list of all features

**Installation**

- Mounted into suspended ceilings Armstrong or mounted on plain surface

**Application**

- For premises with high ceilings

Product code	Wattage	Colour temperature	Luminous flux
Housing V1A0-00070-0000-2005427	6-9W-54W	2700K	6000lm
V1A0-00070-0000-2005440	6-9W-54W	4000K	6300lm
V1A0-00070-0000-2005465	6-9W-54W	6500K	6600lm

**Emergency version, emergency power supply 6-3-hour battery:**

V1A0-00070-00A0-2005440	6-9W-54W	4000K	6300lm
V1A0-00070-00A0-2005465	6-9W-54W	6500K	6600lm

Diffuser (supplied separately)

V2-AD-P000-002-2000725	Prisma Standard
V2-AD-P000-012-2000715	Opal
V2-AD-P000-001-2000720	Prism
V2-AD-C000-002-2000720	Chopped ice
V2-AD-M000-002-2000720	Microprisma

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- LED modules Vartan 2835 SMD 18-0.5W + 9W power supply 2x-30W
- Dimensions 595x595x50mm
- High color rendering index CRI (Ra) >80
- Operating temperature: -20°C to +50°C
- Input voltage: AC176-264V
- Frequency 50Hz ± 10%
- LED Lifetime 50 000h
- 3 year warranty
- Luminaire package dimensions 627-614-62mm
- Diffuser package dimensions (2 pcs) 610-610-16mm
- Low illumination ripple factor IRF ≤ 1%
- PF ≥ 0.95
- Safety class I

CE ENEC ISO

## Luminous flux

The specified luminous flux is for LED modules. For actual luminous flux with diffuser losses see the IES-files.

International Organization for Standardization  
ISO 9001-2011

Ready to be mounted on normally flammable surfaces

Safety Class

Ingress Protection Class

Recycling sign

Mark of compliance with EU safety, health and environmental protection requirements

Conformity to GOST 54350 2011

3 year warranty

Mark of Eurasian Economic Union

Mark of compliance with standards of Ukrainian Testing and Certification Centre of Electric Equipment

High level of ecological safety

Keep your country tidy

# Technical features of emergency lighting

## Emergency luminaires

Main Features:

- ▶ Li-ion battery;
- ▶ Operating lifetime-up to 1000 cycles;
- ▶ Time to full charge – 8 hours;
- ▶ Emergency operation time – 3 hours.

Wiring scheme:

- ▶ O-cable – basic cable, comes after the switch;
- ▶ A-cable – emergency cable, bypasses the switch;
- ▶ wire 1 – wire connected to power supply;
- ▶ wire 2 – wire connected to battery.

Luminaires have 3 modes of operation:

1. **Operating mode.** 220V must be submitted by O-cable and A-cable to the clip. The luminaire lights up and the battery is charged.
2. **Emergency mode.** When the voltage on the A-cable is off and there is no voltage on the O-cable, the luminaire automatically switches to emergency mode. This will light one or more LED modules, depending on the version.
- 3.1 **Hibernate mode for emergency luminaires (storage mode).** After the demonstration of emergency mode, the luminaire must be completely disconnected and powered down. Then, disconnect wire 2 from wire 1, this will turn off the LED module. After 20 seconds reconnect wire 2 to wire 1.
- 3.2 **Hibernate mode for emergency downlights (storage mode).** After the demonstration of emergency mode, the downlight must be completely disconnected and powered down. Then, disconnect wire 2 from wire 1, this will turn off the LED module. After 20 seconds reconnect wire 2 to wire 1.

## Emergency downlights

Main Features:

- ▶ Ni-Cd battery;
- ▶ Operating lifetime-up to 1000 cycles;
- ▶ Time to full charge – 24 hours;
- ▶ Emergency operating time – 3 hours.

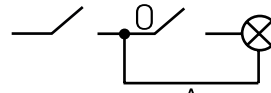


Fig. 1 Wiring

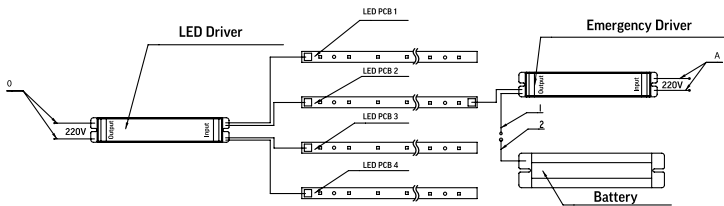


Fig. 2 Wiring emergency luminaire

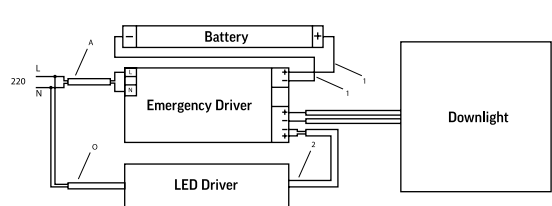


Fig. 3 Wiring emergency downlight

# Technical features of dimmable lighting

## Dimmable luminaires

Main Features:

- ▶ Input voltage 176–264V;
- ▶ Dimmer type 1–10V;
- ▶ Dimmable range 10–100%;

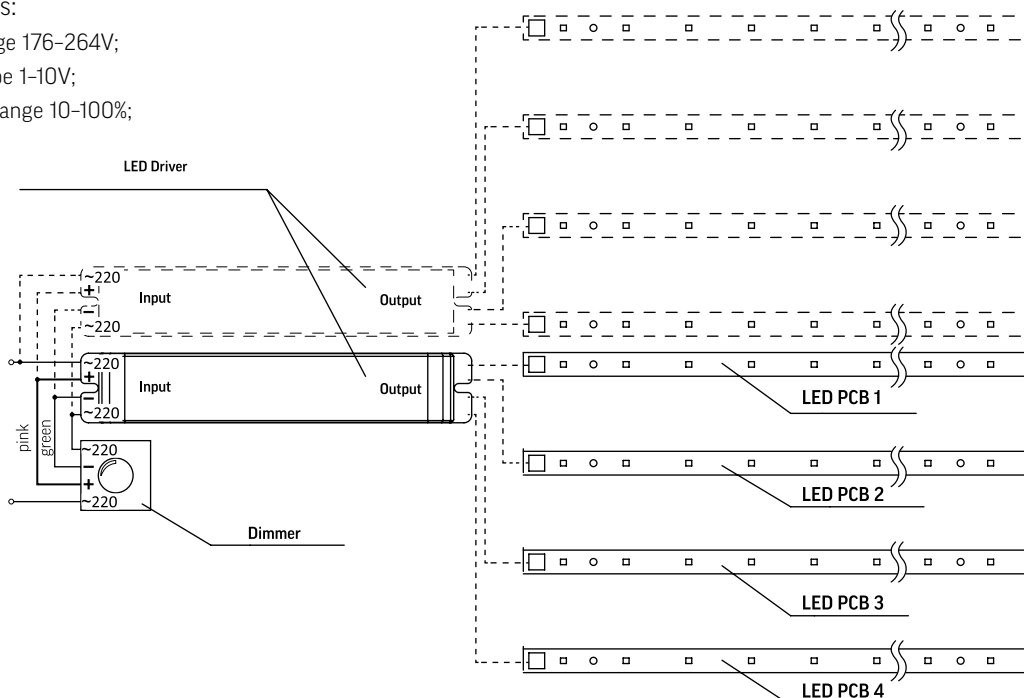


Fig. 4 A dimmable luminaire's wiring

## Advantages of LED luminaires

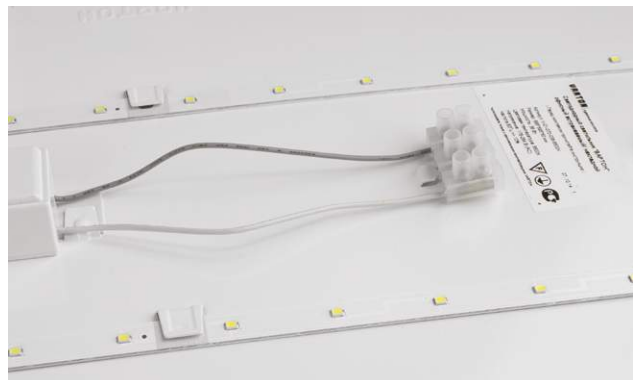
- ▶ UV-stabilized diffusers do not turn yellow over time.
- ▶ The diffusers with optimum thickness up to 2.5mm allow a better distribution of light and protects the eyes from excessive bright light.
- ▶ Slim power supply is not visible in the housing of the luminaire.



- ▶ The LED modules are attached to the power supply terminals via connectors. The modules can be easily replaced if one of them fails. No soldering required.
- ▶ Series-parallel connection of diodes on the module (if one diode fails, the others continue to work).



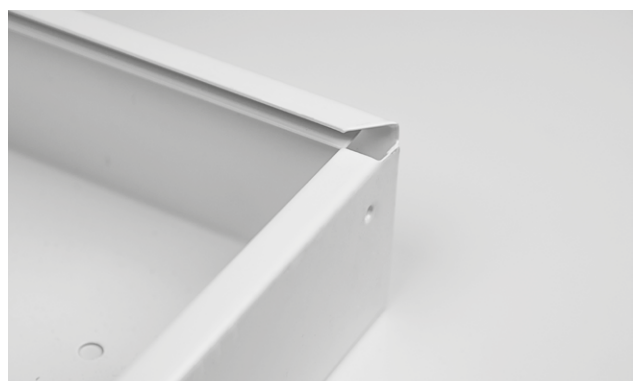
- ▶ Good maintainability: LEDs' soldering modules and power supply are attached into the housing with special type of lock – snaplock, which makes it easier to replace them, if necessary.
- ▶ High quality of LEDs soldering to the module ensures reliability.



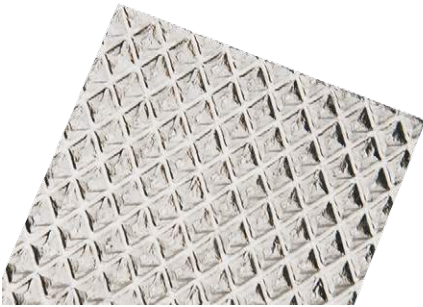
- ▶ Power supplies and all components are manufactured according to strict technical specifications, which ensures its full compatibility with the LED modules. This greatly reduces the risk of failure of the finished product.
- ▶ power supplies are small in size, so they can not be seen through the diffusers.



- ▶ The housings are manufactured on a modern fully automatic line out of a single steel sheet. Luminaires are always same in size; the error in size is minimal.
- ▶ Sides of the housing are fixed by clinching method to ensure the solidity.
- ▶ Powder anticorrosive paint is used to protect the housing from external influences.

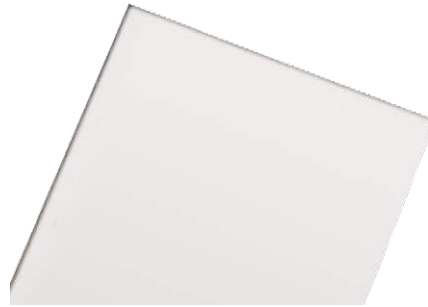


# Diffusers



## Prisma Standard

- ▶ Thickness 2,5mm
- ▶ Light transmission 85%
- ▶ Polystyrene



## Opal

- ▶ Thickness 1,5mm
- ▶ Light transmission 73%
- ▶ PMMA



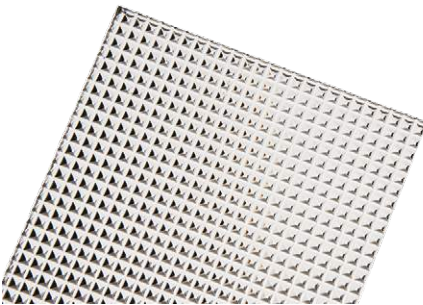
## Pin-spot

- ▶ Thickness 2,5mm
- ▶ Light transmission 89%
- ▶ Polystyrene



## Chipped ice

- ▶ Thickness 2,5mm
- ▶ Light transmission 88%
- ▶ Polystyrene



## Microprisma

- ▶ Thickness 2mm
- ▶ Light transmission 83%
- ▶ Polycarbonate



## Diffusers for STRONG IP65

- ▶ Light transmission 83% (frost)
- ▶ Light transmission 93% (clear)
- ▶ Polycarbonate



# OFFICE LIGHTING



# LED luminaires 595×595×50mm



## Housing

- ▶ All-metal housing made of sheet steel with white powder paint application
- ▶ IP20/IP40 on request
- ▶ See p.8 for detailed list of all features

## Installation

- ▶ Mounted into suspended ceilings Armstrong or mounted on plain surface

	Product code	Wattage	Colour temperature	Luminous flux
Housing	V1-A0-00070-01000-2002727	3×9W=27W	2700K	3000Lm
	V1-A0-00070-01000-2002740	3×9W=27W	4000K	3150Lm
	V1-A0-00070-01000-2002765	3×9W=27W	6500K	3300Lm
	V1-A0-00070-01000-2003627	4×9W=36W	2700K	4000Lm
	V1-A0-00070-01000-2003640	4×9W=36W	4000K	4200Lm
	V1-A0-00070-01000-2003665	4×9W=36W	6500K	4400Lm

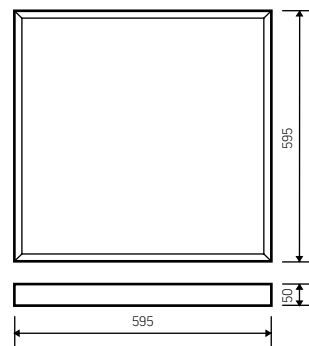
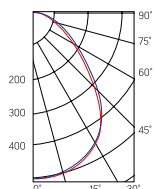
### \*Emergency version: emergency power supply & 3-hour battery:

	Product code	Wattage	Colour temperature	Luminous flux
Housing	V1-A0-00070-01A00-2002740	3×9W=27W	4000K	3000Lm
	V1-A0-00070-01A00-2002765	3×9W=27W	6500K	3150Lm
	V1-A0-00070-01A00-2003627	4×9W=36W	2700K	4000Lm
	V1-A0-00070-01A00-2003640	4×9W=36W	4000K	4200Lm
	V1-A0-00070-01A00-2003665	4×9W=36W	6500K	4400Lm

### Dimmable version: protocol 1-10V; DALI

	Product code	Wattage	Colour temperature	Luminous flux
Housing	V1-A0-00070-01D00-2003627	4×9W=36W	2700K	4000Lm
	V1-A0-00070-01D00-2003640	4×9W=36W	4000K	4200Lm
	V1-A0-00070-01D00-2003665	4×9W=36W	6500K	4400Lm

Diffuser (supplied separately)	Product code	Diffuser type
	V2-A0-PR00-00.2.0007.25	Prisma Standard
	V2-A0-OP00-03.2.0007.15	Opal
	V2-A0-PS00-00.2.0007.20	Pin-spot
	V2-A0-CI00-00.2.0007.20	Chipped ice
	V2-A0-MP00-02.2.0007.20	Microprisma



- ▶ LED modules 2835 SMD 18×0.5W = 9W
- ▶ Power supply 30W/40W
- ▶ Dimensions 595×595×50mm
- ▶ High color rendering index CRI (R<sub>a</sub>) >80
- ▶ Operating temperature -20°C to +50°C
- ▶ Input voltage AC176-264V
- ▶ Frequency 50Hz ± 10%
- ▶ LED lifetime 50 000h
- ▶ 3 year warranty
- ▶ Luminaire package dimensions 627×614×62mm
- ▶ Diffuser package dimensions (2 pcs.) 610×610×16mm
- ▶ Low illumination ripple factor IRF ≤ 1%
- ▶ PF ≥ 0,98
- ▶ Safety class I



# LED luminaires 595×595×50mm

for high ceilings



## Housing

- ▶ All-metal housing made of sheet steel with white powder paint application
- ▶ IP20/IP40 on request
- ▶ See p.8 for detailed list of all features

## Installation

- ▶ Mounted into suspended ceilings Armstrong or mounted on plain surface

## Application

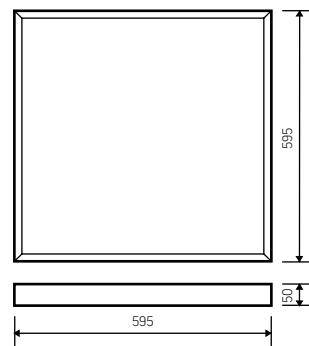
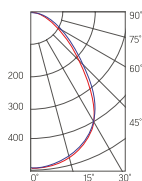
- ▶ For premises with high ceilings

	Product code	Wattage	Colour temperature	Luminous flux
Housing	V1-A0-00070-01000-2005427	6×9W=54W	2700K	6000Lm
	V1-A0-00070-01000-2005440	6×9W=54W	4000K	6300Lm
	V1-A0-00070-01000-2005465	6×9W=54W	6500K	6600Lm

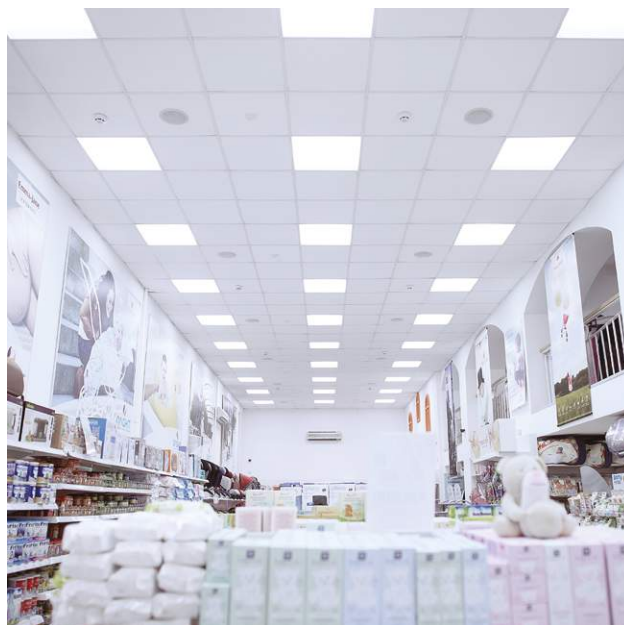
### \*Emergency version: emergency power supply & 3-hour battery:

V1-A0-00070-01A00-2005440	6×9W=54W	4000K	6300Lm
V1-A0-00070-01A00-2005465	6×9W=54W	6500K	6600Lm

Diffuser (supplied separately)	Product code	Diffuser type
	V2-A0-PR00-00.2.0007.25	Prisma Standard
	V2-A0-OP00-03.2.0007.15	Opal
	V2-A0-PS00-00.2.0007.20	Pin-spot
	V2-A0-CI00-00.2.0007.20	Chipped ice
	V2-A0-MP00-02.2.0007.20	Microprisma



- ▶ LED modules 2835 SMD 18×0.5W = 9W
- ▶ Power supply 2×30W
- ▶ Dimensions 595×595×50mm
- ▶ High color rendering index CRI (R<sub>a</sub>) >80
- ▶ Operating temperature -20°C to +50°C
- ▶ Input voltage AC176-264V
- ▶ Frequency 50Hz ± 10%
- ▶ LED lifetime 50 000h
- ▶ 3 year warranty
- ▶ Luminaire package dimensions 627×614×62mm
- ▶ Diffuser package dimensions (2 pcs.) 610×610×16mm
- ▶ Low illumination ripple factor IRF ≤ 1 %
- ▶ PF ≥ 0,98
- ▶ Safety class I



# LED luminaires 595×595×50mm

surface mounting



## Housing

- ▶ All-metal housing made of sheet steel with white powder paint application
- ▶ IP20/IP40 on request
- ▶ See p.8 for detailed list of all features

## Installation

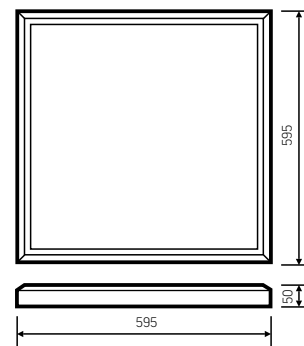
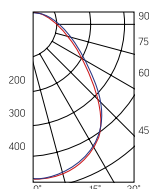
- ▶ Surface mounting only

	Product code	Wattage	Colour temperature	Luminous flux
Housing	V1-A0-00070-20000-2002727	3×9W=27W	2700K	3000Lm
	V1-A0-00070-20000-2002740	3×9W=27W	4000K	3150Lm
	V1-A0-00070-20000-2002765	3×9W=27W	6500K	3300Lm
	V1-A0-00070-20000-2003627	4×9W=36W	2700K	4000Lm
	V1-A0-00070-20000-2003640	4×9W=36W	4000K	4200Lm
	V1-A0-00070-20000-2003665	4×9W=36W	6500K	4400Lm
	V1-A0-00070-20000-2005427	6×9W=54W	2700K	6000Lm
	V1-A0-00070-20000-2005440	6×9W=54W	4000K	6300Lm
	V1-A0-00070-20000-2005465	6×9W=54W	6500K	6600Lm

Diffuser (supplied separately)	Product code	Diffuser type
	V2-A0-PR00-00.2.0007.25	Prisma Standard
	V2-A0-OP00-03.2.0007.15	Opal
	V2-A0-PS00-00.2.0007.20	Pin-spot
	V2-A0-MP00-02.2.0007.20	Chipped ice
	V2-A0-CI00-00.2.0007.20	Microprisma

### \*Emergency version: emergency power supply & 3-hour battery:

	Product code	Wattage	Colour temperature	Luminous flux
Housing	V1-A0-00070-20A00-2002740	3×9W=27W	4000K	3150Lm
	V1-A0-00070-20A00-2002765	3×9W=27W	6500K	3300Lm
	V1-A0-00070-20A00-2003640	4×9W=36W	4000K	4000Lm
	V1-A0-00070-20A00-2003665	4×9W=36W	6500K	4400Lm
	V1-A0-00070-20A00-2005440	6×9W=54W	4000K	6300Lm
	V1-A0-00070-20A00-2005465	6×9W=54W	6500K	6600Lm



- ▶ LED modules 2835 SMD 18×0.5W = 9W
- ▶ Power supply 30W/40W/2×30W
- ▶ Dimensions 595×595×50mm
- ▶ High color rendering index CRI (R<sub>a</sub>) >80
- ▶ Operating temperature -20°C to +50°C
- ▶ Input voltage AC176-264V
- ▶ Frequency 50Hz ± 10%
- ▶ LED lifetime 50 000h
- ▶ 3 year warranty
- ▶ Luminaire package dimensions 627×614×62mm
- ▶ Diffuser package dimensions (2 pcs.) 610×610×16mm
- ▶ Low illumination ripple factor IRF ≤ 1%
- ▶ PF ≥ 0,98
- ▶ Safety class I





# LED luminaires Specialty 595×595×50mm



## Housing

- ▶ All-metal housing made of sheet steel with white powder paint application
- ▶ IP20

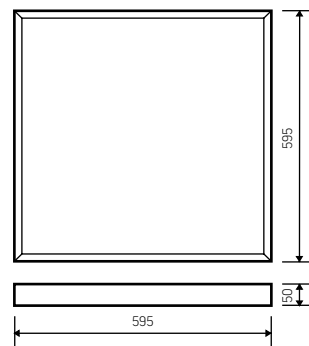
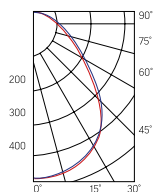
## Diffuser

- ▶ Supplied with Prisma Standard Diffuser

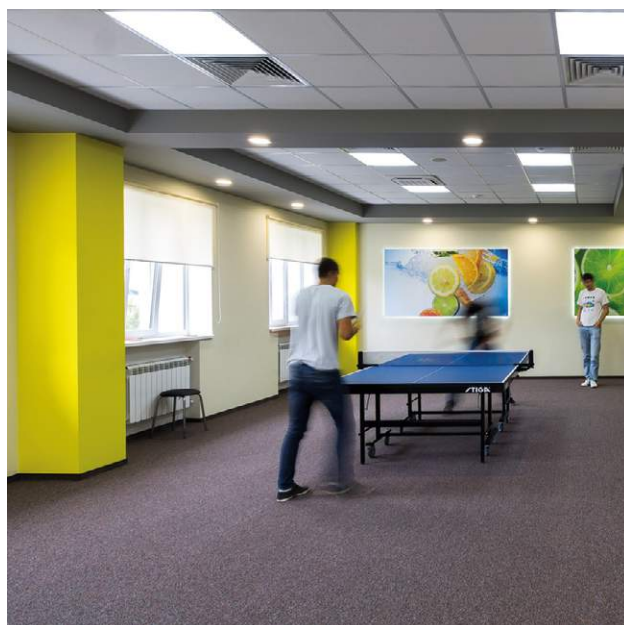
## Installation

- ▶ Mounted into suspended ceilings Armstrong or on plain surface

	Product code	Wattage	Colour temperature	Luminous flux
Housing	V1-A0-00070-01000-2002565	2×12,5W=25W	6500K	2600Lm



- ▶ LED modules 2835 SMD 26×0.5W LED = 13W
- ▶ Power supply 25W
- ▶ Dimensions 595×595×50mm
- ▶ High color rendering index CRI (R<sub>a</sub>) >80
- ▶ Operating temperature -20°C to +50°C
- ▶ Input voltage AC176-264V
- ▶ Frequency 50Hz ± 10%
- ▶ LED lifetime 50 000h
- ▶ 1 year warranty
- ▶ Luminaire package dimensions 627×614×62mm
- ▶ Low illumination ripple factor IRF ≤ 1 %
- ▶ PF ≥ 0,94
- ▶ Safety class I





# LED luminaires 595×595×50mm

with a microwave motion sensor and a «day and night» function



	Product code	Wattage	Colour temperature	Luminous flux
Housing	V1-A0-00070-01S00-2002740	3×9W=27W	4000K	3000Lm
	V1-A0-00070-01S00-2002765	3×9W=27W	6500K	3150Lm
	V1-A0-00070-01S00-2003640	4×9W=36W	4000K	4200Lm
	V1-A0-00070-01S00-2003665	4×9W=36W	6500K	4400Lm

## Housing

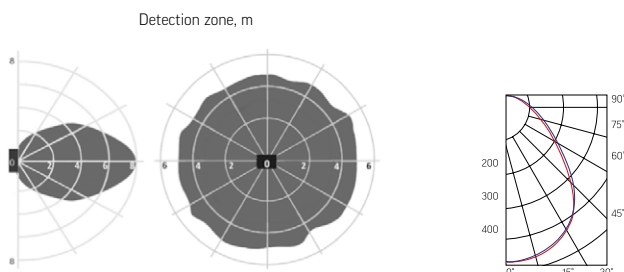
- ▶ All-metal housing made of sheet steel with white powder paint application
- ▶ IP20

## Installation

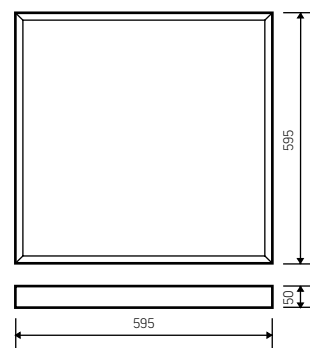
- ▶ Mounted into suspended ceilings Armstrong or on plain surface

### Microwave sensor operating mode:

- ▶ With light intensity more than 25Lx the luminaire doesn't turn on during people's movement
- ▶ With light intensity less than 25Lx the sensor reacts to movement and in 30 seconds it turns off
- ▶ With light intensity less than 25 Lx and during constant people's movement it operates non-stop



Diffuser (supplied separately)	Code	Material
	V2-A0-PR00-00.2.0007.25	Prisma Standard
	V2-A0-OP00-03.2.0007.15	Opal
	V2-A0-PS00-00.2.0007.20	Pin-spot
	V2-A0-CI00-00.2.0007.20	Chipped ice
	V2-A0-MP00-02.2.0007.20	Microprisma



- ▶ LED modules 2835 SMD 18×0.5W LED = 9W
- ▶ Power supply 30W/40W
- ▶ Dimensions 595×595×50mm
- ▶ High color rendering index CRI (R<sub>a</sub>) >80
- ▶ Operating temperature -20°C to +50°C
- ▶ Input voltage AC176-264V
- ▶ Frequency 50Hz ± 10%
- ▶ LED lifetime 50 000h
- ▶ 3 year warranty
- ▶ Luminaire package dimensions 627×614×62mm
- ▶ Diffuser package dimensions (2 pcs.) 610×610×16mm
- ▶ Low illumination ripple factor IRF ≤ 1%
- ▶ PF ≥ 0,98
- ▶ Safety class I



# LED luminaires 595×595×50mm

dimmable according to protocol DALI



## Housing

- ▶ All-metal housing made of sheet steel with white powder paint application
- ▶ IP20/IP40 on request

## Installation

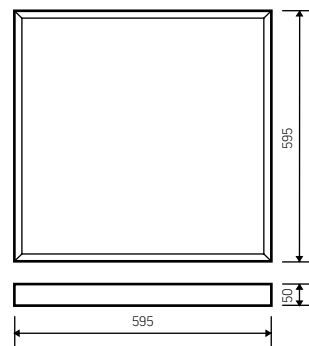
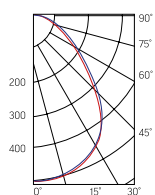
- ▶ Mounted into suspended ceilings Armstrong or on plain surface

## Application

- ▶ Office premises where flexible lighting control is required

	Product code	Wattage	Colour temperature	Luminous flux
Housing	V1-A0-00070-01D01-2003640	4×9W=36W	4000K	4200Lm
	V1-A0-00070-01D01-2003665	4×9W=36W	6500K	4400Lm

Diffuser (supplied separately)	Product code	Diffuser type
	V2-A0-PR00-00.2.0007.25	Prisma Standard
	V2-A0-OP00-03.2.0007.15	Opal
	V2-A0-PS00-00.2.0007.20	Pin-spot
	V2-A0-CI00-00.2.0007.20	Chipped ice
	V2-A0-MP00-02.2.0007.20	Microprisma



- ▶ LED modules 2835 SMD 18×0.5W LED = 9W
- ▶ Power supply 40W
- ▶ Dimensions 595×595×50mm
- ▶ High color rendering index CRI (R<sub>a</sub>) >80
- ▶ Operating temperature -20°C to +50°C
- ▶ Input voltage AC176-264V
- ▶ Frequency 50Hz ± 10%
- ▶ LED lifetime 50 000h
- ▶ 3 year warranty
- ▶ Luminaire package dimensions 627×614×62mm
- ▶ Diffuser package dimensions (2 pcs.) 610×610×16mm
- ▶ Low illumination ripple factor IRF ≤ 1 %
- ▶ PF ≥ 0,94
- ▶ Safety class I



# LED luminaires 1195×180×50mm



## Housing

- ▶ All-metal housing made of sheet steel with white powder paint application
- ▶ IP20/IP40 on request
- ▶ See p.8 for detailed list of all features

## Installation

- ▶ Mounted into suspended ceilings Armstrong or mounted on plain surface

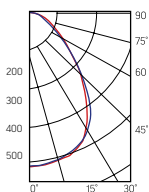
	Product code	Wattage	Colour temperature	Luminous flux
Housing	V1-A0-00270-01000-2003627	4×9W=36W	2700K	4000Lm
	V1-A0-00270-01000-2003640	4×9W=36W	4000K	4200Lm
	V1-A0-00270-01000-2003665	4×9W=36W	6500K	4400Lm
	V1-A0-00270-01000-2005440	6×9W=54W	4000K	6300Lm
	V1-A0-00270-01000-2005465	6×9W=54W	6500K	6600Lm

### \*Emergency version: emergency power supply & 3-hour battery:

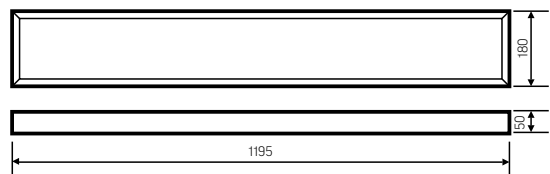
V1-A0-00270-01A00-2003640	4×9W=36W	4000K	4200Lm
V1-A0-00270-01A00-2003665	4×9W=36W	6500K	4400Lm
V1-A0-00270-01A00-2005440	6×9W=54W	4000K	6300Lm
V1-A0-00270-01A00-2005465	6×9W=54W	6500K	6600Lm

### Dimmable version: protocol 1-10V; DALI

Housing	V1-A0-00270-01D00-2003627	4×9W=36W	2700K	4000Lm
	V1-A0-00270-01D00-2003640	4×9W=36W	4000K	4200Lm



Diffuser (supplied separately)	V2-A0-PR00-00.2.0017.25	Prisma Standard
	V2-A0-OP00-03.2.0017.15	Opal
	V2-A0-PS00-00.2.0017.20	Pin-spot
	V2-A0-CI00-00.2.0017.20	Chipped ice
	V2-A0-MP00-02.2.0017.20	Microprisma



- ▶ LED modules 2835 SMD 18×0.5W = 9W
- ▶ Power supply 40W/2×30W/60W
- ▶ Dimensions 1195×180×50mm
- ▶ High color rendering index CRI (R<sub>a</sub>) >80
- ▶ Operating temperature -20°C to +50°C
- ▶ Input voltage AC176-264V
- ▶ Frequency 50Hz ± 10%
- ▶ LED lifetime 50 000h
- ▶ 3 year warranty
- ▶ Luminaire package dimensions 1232×199×62mm
- ▶ Diffuser package dimensions (2 pcs.) 1205×190×18mm
- ▶ Low illumination ripple factor IRF ≤ 1 %
- ▶ PF ≥ 0,98
- ▶ Safety class I



## LED luminaires 1195×180×50mm

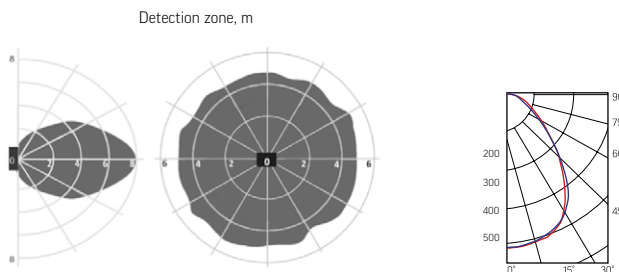
with a microwave motion sensor and a «day and night» function



	Product code	Wattage	Colour temperature	Luminous flux
Housing	V1-A0-00270-01S00-2003640	4×9W=36W	4000K	4200Lm
	V1-A0-00270-01S00-2003665	4×9W=36W	6500K	4400Lm

### Microwave sensor operating mode:

- ▶ With light intensity more than 25Lx the luminaire doesn't turn on during people's movement
- ▶ With light intensity less than 25Lx the sensor reacts to movement and in 30 seconds it turns off
- ▶ With light intensity less than 25 Lx and during constant people's movement it operates non-stop



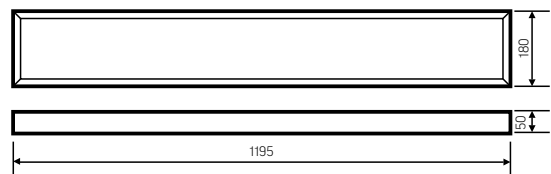
### Housing

- ▶ All-metal housing made of sheet steel with white powder paint application
- ▶ IP20
- ▶ See p.8 for detailed list of all features

### Installation

- ▶ Mounted into suspended ceilings Armstrong or mounted on plain surface

Diffuser	V2-A0-PR00-00.2.0017.25	Prisma Standard
(supplied separately)	V2-A0-OP00-03.2.0017.15	Opal
	V2-A0-PS00-00.2.0017.20	Pin-spot
	V2-A0-CI00-00.2.0017.20	Chipped ice
	V2-A0-MP00-02.2.0017.20	Microprisma



- ▶ LED modules 2835 SMD 18×0.5W = 9W
- ▶ Power supply 40W
- ▶ Dimensions 1195×180×50mm
- ▶ High color rendering index CRI (R<sub>a</sub>) >80
- ▶ Operating temperature -20°C to +50°C
- ▶ Input voltage AC176-264V
- ▶ Frequency 50Hz ± 10%
- ▶ LED lifetime 50 000h
- ▶ 3 year warranty
- ▶ Luminaire package dimensions 1232×199×62mm
- ▶ Diffuser package dimensions (2 pcs.) 1205×190×18mm
- ▶ Low illumination ripple factor IRF ≤ 1 %
- ▶ PF ≥ 0,98
- ▶ Safety class I





# LED luminaires 1195×180×50mm

dimnable according to protocol DALI



## Housing

- ▶ All-metal housing made of sheet steel with white powder paint application
- ▶ IP20/IP40 on request
- ▶ See p.8 for detailed list of all features

## Installation

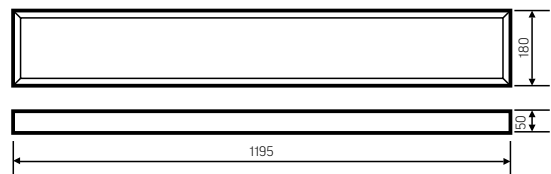
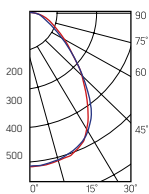
- ▶ Mounted into suspended ceilings Armstrong or mounted on plain surface

## Application

- ▶ Office premises where flexible lighting control is required

	Product code	Wattage	Colour temperature	Luminous flux
Housing	V1-A0-00270-01D01-2003640	4×9W=36W	4000K	4200Lm
	V1-A0-00270-01D01-2003665	4×9W=36W	6500K	4400Lm

Diffuser (supplied separately)	Code	Diffuser Type
	V2-A0-PR00-00.2.0017.25	Prisma Standard
	V2-A0-OP00-03.2.0017.15	Opal
	V2-A0-PS00-00.2.0017.20	Pin-spot
	V2-A0-CI00-00.2.0017.20	Chipped ice
	V2-A0-MP00-02.2.0017.20	Microprisma



- ▶ LED modules 2835 SMD 18×0.5W = 9W
- ▶ Power supply 40W
- ▶ Dimensions 1195×180×50mm
- ▶ High color rendering index CRI (R<sub>a</sub>) >80
- ▶ Operating temperature -20°C to +50°C
- ▶ Input voltage AC176-264V
- ▶ Frequency 50Hz ± 10%
- ▶ LED lifetime 50 000h
- ▶ 3 year warranty
- ▶ Luminaire package dimensions 1232×199×62mm
- ▶ Diffuser package dimensions (2 pcs.) 1205×190×18mm
- ▶ Low illumination ripple factor IRF ≤ 1 %
- ▶ PF ≥ 0,98
- ▶ Safety class I





# LED luminaires 595×180×50mm



## Housing

- ▶ All-metal housing made of sheet steel with white powder paint application
- ▶ IP20/IP40 on request
- ▶ See p.8 for detailed list of all features

## Installation

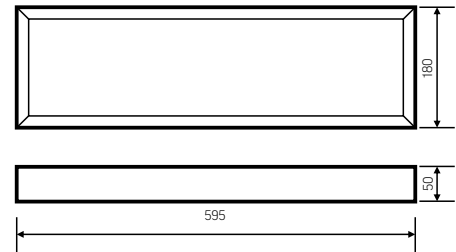
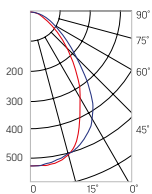
- ▶ Mounted into suspended ceilings Armstrong or mounted on plain surface

	Product code	Wattage	Colour temperature	Luminous flux
Housing	V1-A0-00170-01000-2001827	2×9W=18W	2700K	2000Lm
	V1-A0-00170-01000-2001840	2×9W=18W	4000K	2100Lm
	V1-A0-00170-01000-2001865	2×9W=18W	6500K	2200Lm

Diffuser	Product code	Diffuser type
(supplied separately)	V2-A0-PR00-00.2.0008.25	Prisma Standard
	V2-A0-OP00-03.2.0008.15	Opal
	V2-A0-PS00-00.2.0008.20	Pin-spot
	V2-A0-CI00-00.2.0008.20	Chipped ice
	V2-A0-MP00-02.2.0008.20	Microprisma

### \*Emergency version: emergency power supply & 3-hour battery:

V1-A0-00170-01A00-2001827	2×9W=18W	2700K	2000Lm
V1-A0-00170-01A00-2001840	2×9W=18W	4000K	2100Lm
V1-A0-00170-01A00-2001865	2×9W=18W	6500K	2200Lm



- ▶ LED modules 2835 SMD 18×0.5W = 9W
- ▶ Power supply 20W
- ▶ Dimensions 595×180×50mm
- ▶ High color rendering index CRI (R<sub>a</sub>) >80
- ▶ Operating temperature -20°C to +50°C
- ▶ Input voltage AC176-264V
- ▶ Frequency 50Hz ± 10%
- ▶ LED lifetime 50 000h
- ▶ 3 year warranty
- ▶ Luminaire package dimensions (2 pcs.) 1232×199×62mm
- ▶ Diffuser package dimensions (2 pcs.) 1205×190×18mm
- ▶ Low illumination ripple factor IRF ≤ 1 %
- ▶ PF ≥ 0,98
- ▶ Safety class I



# LED luminaires 1195×100×50mm



## Housing

- ▶ All-metal housing made of sheet steel with white powder paint application
- ▶ IP20/IP40 on request
- ▶ See p.8 for detailed list of all features

## Installation

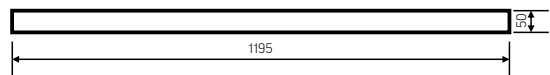
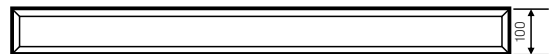
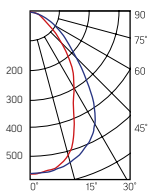
- ▶ Mounted into suspended ceilings Armstrong or mounted on plain surface

	Product code	Wattage	Colour temperature	Luminous flux
Housing	V1-A0-00220-20000-2001827	2×9W=18W	2700K	2000Lm
	V1-A0-00220-20000-2001840	2×9W=18W	4000K	2100Lm
	V1-A0-00220-20000-2001865	2×9W=18W	6500K	2200Lm
	V1-A0-00220-20000-2003640	4×9W=36W	4000K	4200Lm
	V1-A0-00220-20000-2003665	4×9W=36W	6500K	4400Lm

Diffuser (supplied separately)	Code	Option
	V2-A0-PR00-00.2.0016.25	Prisma Standard
	V2-A0-OP00-03.2.0016.15	Opal
	V2-A0-PS00-00.2.0016.20	Pin-spot
	V2-A0-CI00-00.2.0016.20	Chipped ice
	V2-A0-MP00-02.2.0016.20	Microprisma

### \*Emergency version: emergency power supply & 3-hour battery:

V1-A0-00220-20A00-2001827	2×9W=18W	2700K	2000Lm
V1-A0-00220-20A00-2001840	2×9W=18W	4000K	2100Lm
V1-A0-00220-20A00-2001865	2×9W=18W	6500K	2200Lm
V1-A0-00220-20A00-2003640	4×9W=36W	4000K	4200Lm
V1-A0-00220-20A00-2003665	4×9W=36W	6500K	4400Lm



- ▶ LED modules 2835 SMD 18×0.5W = 9W
- ▶ Power supply 20W/40W
- ▶ Dimensions 1195×180×50mm
- ▶ High color rendering index CRI (R<sub>a</sub>) >80
- ▶ Operating temperature -20°C to +50°C
- ▶ Input voltage AC176-264V
- ▶ Frequency 50Hz ± 10%
- ▶ LED lifetime 50 000h
- ▶ 3 year warranty
- ▶ Luminaire package dimensions 1234×115×69mm
- ▶ Diffuser package dimensions (2 pcs.) 1205×190×18mm
- ▶ Low illumination ripple factor IRF ≤ 1 %
- ▶ High power factor PF ≥ 0,98
- ▶ Safety class I



# LED luminaires 595×295×50mm



## Housing

- ▶ All-metal housing made of sheet steel with white powder paint application
- ▶ IP20/IP40 on request
- ▶ See p.8 for detailed list of all features

## Installation

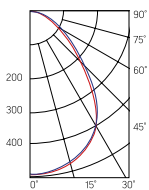
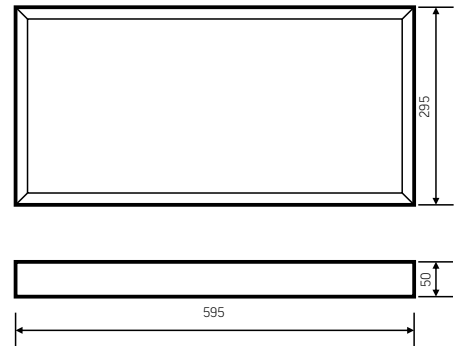
- ▶ Mounted into suspended ceilings Armstrong or mounted on plain surface

	Product code	Wattage	Colour temperature	Luminous flux
Housing	V1-A0-00370-01000-2001827	2×9W=18W	2700K	2000Lm
	V1-A0-00370-01000-2001840	2×9W=18W	4000K	2100Lm
	V1-A0-00370-01000-2001865	2×9W=18W	6500K	2200Lm
	V1-A0-00370-01000-2002740	3×9W=27W	4000K	3150Lm
	V1-A0-00370-01000-2002765	3×9W=27W	6500K	3300Lm

Diffuser	Product code	Diffuser type
(supplied separately)	V2-A0-PR00-00.2.0010.25	Prisma Standard
	V2-A0-OP00-03.2.0010.15	Opal
	V2-A0-PS00-00.2.0010.20	Pin-spot
	V2-A0-CI00-00.2.0010.20	Chipped ice
	V2-A0-MP00-02.2.0010.20	Microprisma

### \*Emergency version: emergency power supply & 3-hour battery:

V1-A0-00370-01A00-2001840	2×9W=18W	4000K	2100Lm
V1-A0-00370-01A00-2001865	2×9W=18W	6500K	2200Lm
V1-A0-00370-01A00-2002740	3×9W=27W	4000K	3150Lm
V1-A0-00370-01A00-2002765	3×9W=27W	6500K	3300Lm



- ▶ LED modules 2835 SMD 18×0.5W = 9W
- ▶ Power supply 20W/30W
- ▶ Dimensions 595×295×50mm
- ▶ High color rendering index CRI (R<sub>a</sub>) >80
- ▶ Operating temperature -20°C to +50°C
- ▶ Input voltage AC176-264V
- ▶ Frequency 50Hz ± 10%
- ▶ LED lifetime 50 000h
- ▶ 3 year warranty
- ▶ Luminaire package dimensions 1232×305×62mm
- ▶ Diffuser package dimensions (2 pcs.) 1205×305×18mm
- ▶ Low illumination ripple factor IRF ≤ 1%
- ▶ PF ≥ 0,98
- ▶ Safety class I



# LED luminaires 1195×295×50mm



## Housing

- ▶ All-metal housing made of sheet steel with white powder paint application
- ▶ IP20/IP40 on request
- ▶ See p.8 for detailed list of all features

## Installation

- ▶ Mounted into suspended ceilings Armstrong or mounted on plain surface

## Application

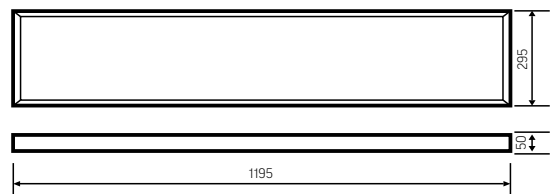
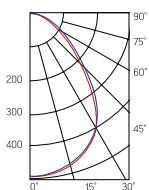
- ▶ 54W for premises with high ceilings

	Product code	Wattage	Colour temperature	Luminous flux
Housing	V1-A0-00350-01000-2003627	4×9W=36W	2700K	4000Lm
	V1-A0-00350-01000-2003640	4×9W=36W	4000K	4200Lm
	V1-A0-00350-01000-2003665	4×9W=36W	6500K	4400Lm
	V1-A0-00350-01000-2005440	6×9W=54W	4000K	6300Lm
	V1-A0-00350-01000-2005465	6×9W=54W	6500K	6600Lm

Diffuser (supplied separately)	Code	Diffuser Type
	V2-A0-PR00-00.2.0019.25	Prisma Standard
	V2-A0-OP00-03.2.0019.15	Opal
	V2-A0-PS00-00.2.0019.20	Pin-spot
	V2-A0-CI00-00.2.0019.20	Chipped ice
	V2-A0-MP00-02.2.0019.20	Microprisma

### \*Emergency version: emergency power supply & 3-hour battery:

V1-A0-00350-01A00-2003640	4×9W=36W	4000K	4200Lm
V1-A0-00350-01A00-2003665	4×9W=36W	6500K	4400Lm
V1-A0-00350-01A00-2005440	6×9W=54W	4000K	6300Lm
V1-A0-00350-01A00-2005465	6×9W=54W	6500K	6600Lm



- ▶ LED modules 2835 SMD 18×0.5W = 9W
- ▶ Power supply 40W/2×30W/60W
- ▶ Dimensions 1195×295×50mm
- ▶ High color rendering index CRI (R<sub>a</sub>) >80
- ▶ Operating temperature -20°C to +50°C
- ▶ Input voltage AC176-264V
- ▶ Frequency 50Hz ± 10%
- ▶ LED lifetime 50 000h
- ▶ 3 year warranty
- ▶ Luminaire package dimensions 1232×305×62mm
- ▶ Diffuser package dimensions (2 pcs.) 1205×305×18mm
- ▶ Low illumination ripple factor IRF ≤ 1 %
- ▶ PF ≥ 0,98
- ▶ Safety class I



# LED luminaires GYPSUM 570×570×65mm



## Housing

- ▶ All-metal housing made of sheet steel with white powder paint application
- ▶ IP20
- ▶ See p.8 for detailed list of all features

## Installation

- ▶ Designed for gypsum ceiling (8-15mm)
- ▶ Mounting hole 575×575mm
- ▶ Mounting kit is included

	Product code	Wattage	Colour temperature	Luminous flux
Housing	V1-A0-00009-80000-2002727	3×9W=27W	2700K	3000Lm
	V1-A0-00009-80000-2002740	3×9W=27W	4000K	3150Lm
	V1-A0-00009-80000-2002765	3×9W=27W	6500K	3300Lm
	V1-A0-00009-80000-2003627	4×9W=36W	2700K	4000Lm
	V1-A0-00009-80000-2003640	4×9W=36W	4000K	4200Lm
	V1-A0-00009-80000-2003665	4×9W=36W	6500K	4400Lm

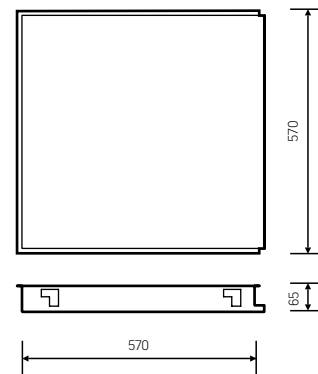
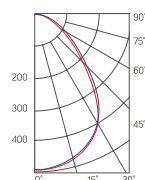
	Diffuser	
(supplied separately)	V2-A0-PR00-00.2.0001.25	Prisma Standard
	V2-A0-OP00-03.2.0001.15	Opal
	V2-A0-PS00-00.2.0001.20	Pin-spot
	V2-A0-CI00-00.2.0001.20	Chipped ice
	V2-A0-MP00-02.2.0001.20	Microprisma

### \*Emergency version: emergency power supply & 3-hour battery:

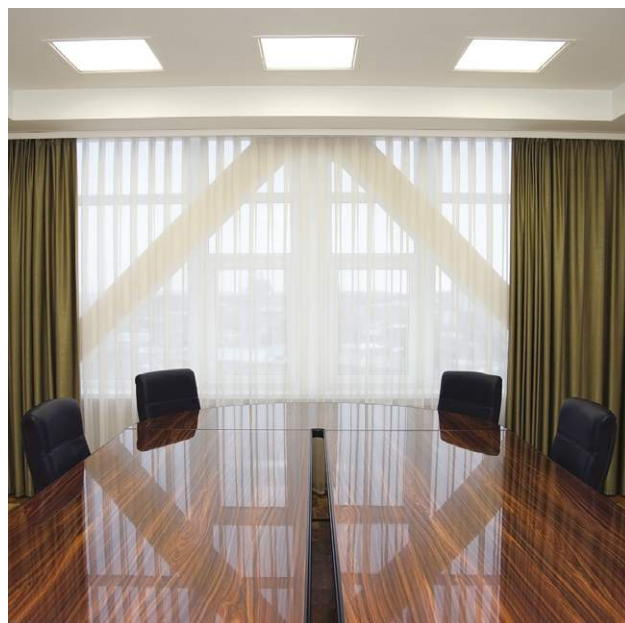
V1-A0-00009-80A00-2002740	3×9W=27W	4000K	3150Lm
V1-A0-00009-80A00-2002765	3×9W=27W	6500K	3300Lm
V1-A0-00009-80A00-2003640	4×9W=36W	4000K	4200Lm
V1-A0-00009-80A00-2003665	4×9W=36W	6500K	4400Lm

### Dimmable version: protocol 1-10V; DALI

Housing	V1-A0-00009-80D00-2003640	4×9W=36W	4000K	4200Lm
	V1-A0-00009-80D00-2003665	4×9W=36W	6500K	4400Lm



- ▶ LED modules 2835 SMD 18×0.5W = 9W
- ▶ Power supply 30W/40W
- ▶ Dimensions 570×570×65mm
- ▶ High color rendering index CRI (R<sub>a</sub>) >80
- ▶ Operating temperature -20°C to +50°C
- ▶ Input voltage AC176-264V
- ▶ Frequency 50Hz ± 10%
- ▶ LED lifetime 50 000h
- ▶ 3 year warranty
- ▶ Luminaire package dimensions 627×614×62mm
- ▶ Diffuser package dimensions (2 pcs.) 610×610×16mm
- ▶ Low illumination ripple factor IRF ≤ 1%
- ▶ PF ≥ 0,98
- ▶ Safety class I





# LED luminaires GYPSUM 1170×175×65mm



## Housing

- ▶ All-metal housing made of sheet steel with white powder paint application
- ▶ IP20
- ▶ See p.8 for detailed list of all features

## Installation

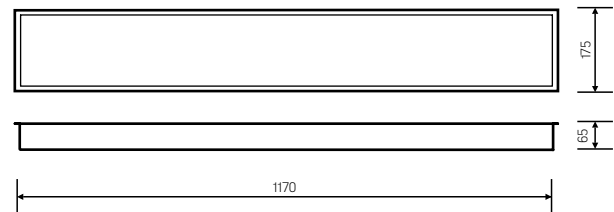
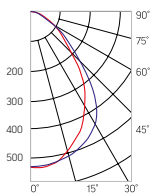
- ▶ Designed for gypsum ceiling (8-15mm)
- ▶ Mounting hole 1175×180mm
- ▶ Mounting kit is included

	Product code	Wattage	Colour temperature	Luminous flux
Housing	V1-A0-00032-80000-2003640	4×9W=36W	4000K	4200Lm
	V1-A0-00032-80000-2003665	4×9W=36W	6500K	4400Lm

Diffuser	Product code	Diffuser type
(supplied separately)	V2-A0-PR00-00.2.0021.25	Prisma Standard
	V2-A0-OP00-03.2.0021.15	Opal
	V2-A0-PS00-00.2.0021.20	Pin-spot
	V2-A0-CI00-00.2.0021.20	Chipped ice
	V2-A0-MP00-02.2.0021.20	Microprisma

### \*Emergency version: emergency power supply & 3-hour battery:

V1-A0-00032-80A00-2003640	4×9W=36W	4000K	4200Lm
V1-A0-00032-80A00-2003665	4×9W=36W	6500K	4400Lm



- ▶ LED modules 2835 SMD 18×0.5W = 9W
- ▶ Power supply 40W
- ▶ Dimensions 1170×175×65mm
- ▶ High color rendering index CRI (R<sub>a</sub>) >80
- ▶ Operating temperature -20°C to +50°C
- ▶ Input voltage AC176-264V
- ▶ Frequency 50Hz ± 10%
- ▶ LED lifetime 50 000h
- ▶ 3 year warranty
- ▶ Luminaire package dimensions 1232×199×69mm
- ▶ Diffuser package dimensions (2 pcs.) 1205×190×18mm
- ▶ Low illumination ripple factor IRF ≤ 1 %
- ▶ PF ≥ 0,98
- ▶ Safety class I



# LED luminaires INDIRECT 595×595×100mm



## Housing

- ▶ All-metal housing made of sheet steel with white powder paint application
- ▶ IP20
- ▶ See p.8 for detailed list of all features
- ▶ Glossy reflectors for effective light distribution

## Installation

- ▶ Mounted into suspended ceilings Armstrong

## Diffuser

- ▶ Chipped ice

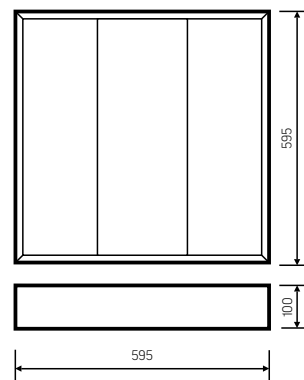
## Application

- ▶ Shopping malls, offices, banks

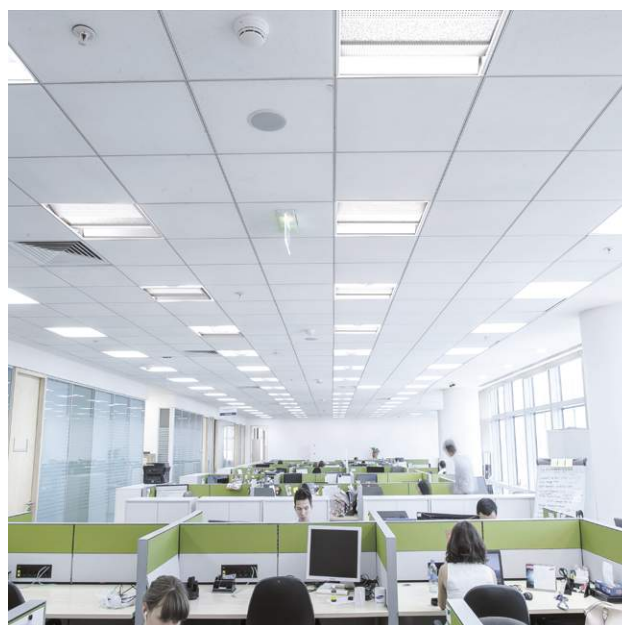
	Product code	Wattage	Colour temperature	Luminous flux
Housing	V1-A0-00025-10000-2003640	4×9W=36W	4000K	4200Lm
	V1-A0-00025-10000-2003665	4×9W=36W	6500K	4400Lm

### \*Emergency version: emergency power supply & 3-hour battery:

	V1-A0-00025-10A00-2003640	4×9W=36W	4000K	4200Lm
	V1-A0-00025-10A00-2003665	4×9W=36W	6500K	4400Lm



- ▶ LED modules 2835 SMD 18×0.5W = 9W
- ▶ Power supply 40W
- ▶ Dimensions 595×595×100mm
- ▶ High color rendering index CRI (R<sub>a</sub>) >80
- ▶ Operating temperature -20°C to +50°C
- ▶ Input voltage AC176-264V
- ▶ Frequency 50Hz ± 10%
- ▶ LED lifetime 50 000h
- ▶ 3 year warranty
- ▶ Luminaire package dimensions 635×614×102mm
- ▶ Low illumination ripple factor IRF ≤ 1 %
- ▶ High power factor PF ≥ 0,98
- ▶ Safety class I



# LED luminaires DOUBLE 1195×595×50mm



## Housing

- ▶ All-metal housing made of sheet steel with white powder paint application
- ▶ IP20/ on request
- ▶ See p.8 for detailed list of all features

## Installation

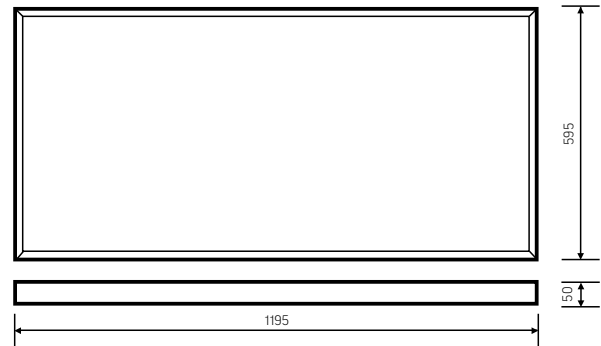
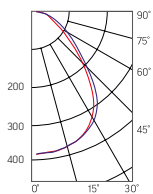
- ▶ Mounted into suspended ceilings Armstrong or mounted on plain surface

	Product code	Wattage	Colour temperature	Luminous flux
Housing	V1-A0-00300-01000-2007227	8×9W=72W	2700K	8000Lm
	V1-A0-00300-01000-2007240	8×9W=72W	4000K	8400Lm
	V1-A0-00300-01000-2007265	8×9W=72W	6500K	8800Lm

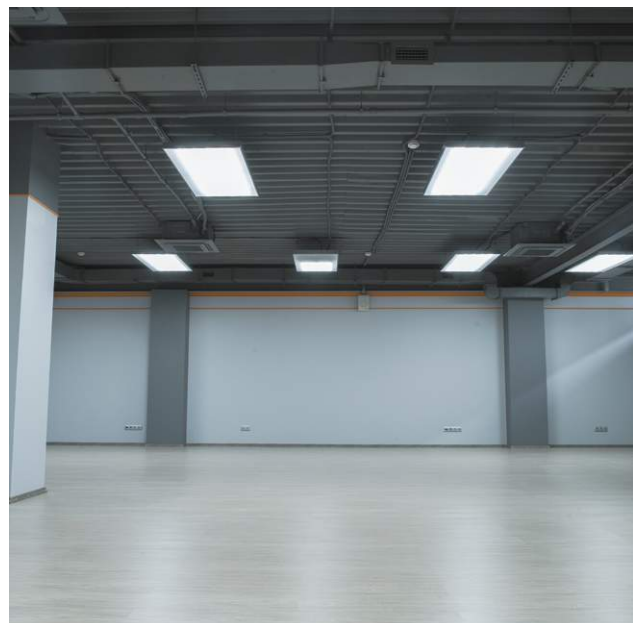
Diffuser (supplied separately)	Code	Diffuser Type
	V2-A0-PR00-00.2.0018.25	Prisma Standard
	V2-A0-OP00-03.2.0018.15	Opal
	V2-A0-PS00-00.2.0018.20	Pin-spot
	V2-A0-CI00-00.2.0018.20	Chipped ice
	V2-A0-MP00-02.2.0018.20	Microprisma

### \*Emergency version: emergency power supply & 3-hour battery:

V1-A0-00300-01A00-2007240	8×9W=72W	4000K	8400Lm
V1-A0-00300-01A00-2007265	8×9W=72W	6500K	8800Lm



- ▶ LED modules 2835 SMD 18×0.5W = 9W
- ▶ Power supply 2×40W
- ▶ Dimensions 1195×595×50mm
- ▶ High color rendering index CRI (R<sub>a</sub>) >80
- ▶ Operating temperature -20°C to +50°C
- ▶ Input voltage AC176-264V
- ▶ Frequency 50Hz ± 10%
- ▶ LED lifetime 50 000h
- ▶ 3 year warranty
- ▶ Luminaire package dimensions 1205×615×60mm
- ▶ Diffuser package dimensions (2 pcs.) 1220×610×16mm
- ▶ Low illumination ripple factor IRF ≤ 1 %
- ▶ PF ≥ 0,98
- ▶ Safety class I



# LED luminaires 595×588×50mm Ecophon Gedina D edge profile



## Housing

- ▶ All-metal housing made of sheet steel with white powder paint application
- ▶ IP20

## Installation

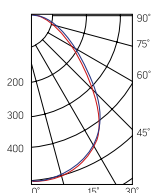
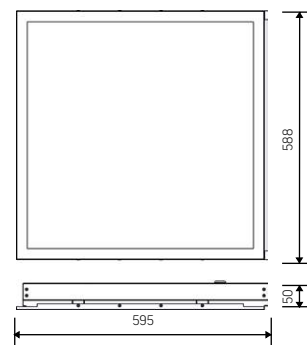
- ▶ Mounted into Ecophon ceilings (Gedina D type of ceiling)

	Product code	Wattage	Colour temperature	Luminous flux
Housing	V1-A2-00065-10000-2003627	4×9W=36W	2700K	4000Lm
	V1-A2-00065-10000-2003640	4×9W=36W	4000K	4200Lm
	V1-A2-00065-10000-2003665	4×9W=36W	6500K	4400Lm

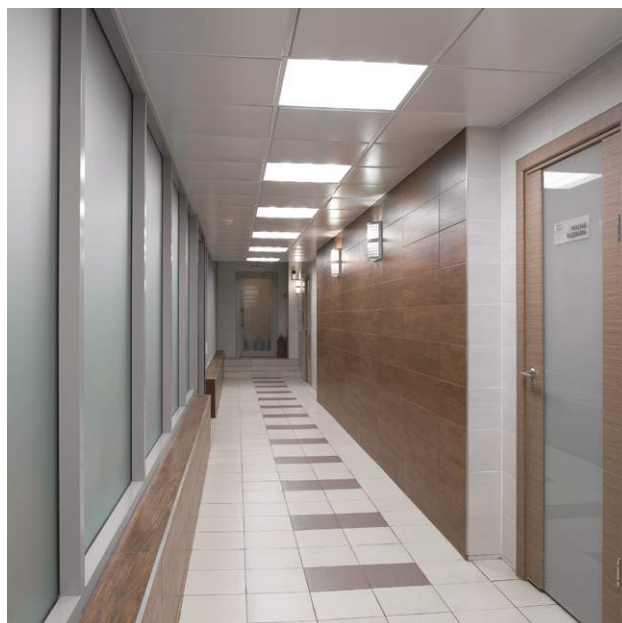
Diffuser	Product code	Diffuser type
(supplied separately)	V2-A1-PR00-00.2.0029.25	Prisma Standard
	V2-A1-OP00-03.2.0029.15	Opal
	V2-A1-PS00-00.2.0029.20	Pin-spot
	V2-A1-CI00-00.2.0029.20	Chipped ice
	V2-A1-MP00-02.2.0029.20	Microprisma

### \*Emergency version: emergency power supply & 3-hour battery:

V1-A2-00065-10A00-2003640	4×9W=36W	4000K	4200Lm
V1-A2-00065-10A00-2003665	4×9W=36W	6500K	4400Lm



- ▶ LED modules 2835 SMD 18×0.5W LED = 9W
- ▶ Power supply 40W
- ▶ Dimensions 595×588×50mm
- ▶ High color rendering index CRI (R<sub>a</sub>) >80
- ▶ Operating temperature -20°C to +50°C
- ▶ Input voltage AC176-264V
- ▶ Frequency 50Hz ± 10%
- ▶ LED lifetime 50 000h
- ▶ 3 year warranty
- ▶ Luminaire package dimensions 627×614×62mm
- ▶ Diffuser package dimensions (2 pcs.) 610×610×16mm
- ▶ Low illumination ripple factor IRF ≤ 1 %
- ▶ PF ≥ 0,98
- ▶ Safety class I



# LED luminaires 595×595×57mm Armstrong Vector edge profile



## Housing

- ▶ All-metal housing made of sheet steel with white powder paint application
- ▶ IP20

## Installation

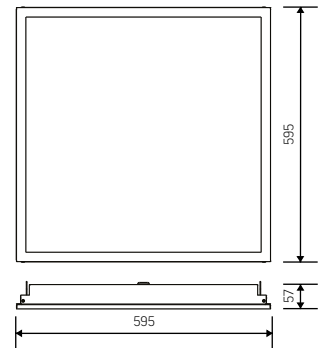
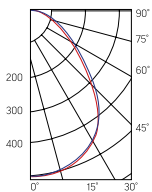
- ▶ Mounted into suspended ceilings Armstrong with Vector edge profile

	Product code	Wattage	Colour temperature	Luminous flux
Housing	V1-A1-00023-10000-2003627	4×9W=36W	2700K	4000Lm
	V1-A1-00023-10000-2003640	4×9W=36W	4000K	4200Lm
	V1-A1-00023-10000-2003665	4×9W=36W	6500K	4400Lm

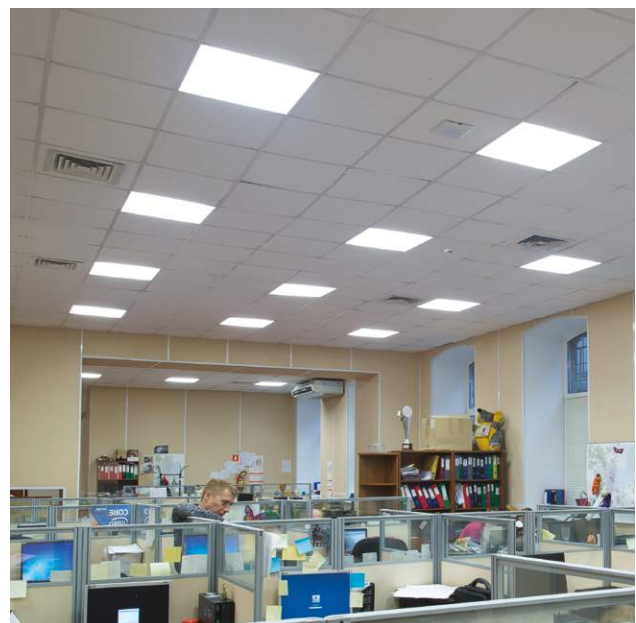
### \*Emergency version: emergency power supply & 3-hour battery:

V1-A1-00023-10A00-2003640	4×9W=36W	4000K	4200Lm
V1-A1-00023-10A00-2003665	4×9W=36W	6500K	4400Lm

Diffuser (supplied separately)	Product code	Diffuser type
	V2-A1-PR00-00.2.0006.25	Prisma Standard
	V2-A1-OP00-03.2.0006.15	Opal
	V2-A1-PS00-00.2.0006.20	Pin-spot
	V2-A1-CI00-00.2.0006.20	Chipped ice
	V2-A1-MP00-02.2.0006.20	Microprisma



- ▶ LED modules 2835 SMD 18×0.5W LED = 9W
- ▶ Power supply 40W
- ▶ Dimensions 595×595×57mm
- ▶ High color rendering index CRI (R<sub>a</sub>) >80
- ▶ Operating temperature -20°C to +50°C
- ▶ Input voltage AC176-264V
- ▶ Frequency 50Hz ± 10%
- ▶ LED lifetime 50 000h
- ▶ 3 year warranty
- ▶ Luminaire package dimensions 627×614×62mm
- ▶ Diffuser package dimensions (2 pcs.) 610×610×16mm
- ▶ Low illumination ripple factor IRF ≤ 1 %
- ▶ PF ≥ 0,98
- ▶ Safety class I





# LED luminaires 593×593×60mm Armstrong Microlook BE edge profile



## Housing

- ▶ All-metal housing made of sheet steel with white powder paint application
- ▶ IP20

## Installation

- ▶ Mounted into suspended ceilings Armstrong with Microlook BE edge profile
- ▶ Luminaire types for Prelude and Silhouette rails

### Silhouette rail version:

	Product code	Wattage	Colour temperature	Luminous flux
Housing	V1-A1-00014-10000-2003627	4×9W=36W	2700K	4000Lm
	V1-A1-00014-10000-2003640	4×9W=36W	4000K	4200Lm
	V1-A1-00014-10000-2003665	4×9W=36W	6500K	4400Lm

### \*Emergency version: emergency power supply & 3-hour battery:

V1-A1-00014-10A00-2003640	4×9W=36W	4000K	4200Lm
V1-A1-00014-10A00-2003665	4×9W=36W	6500K	4400Lm

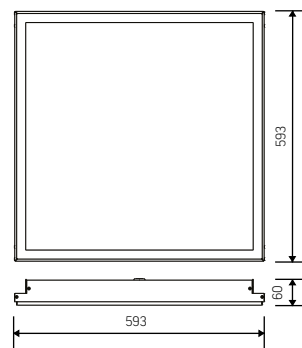
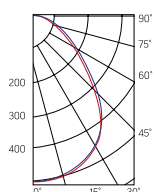
### Prelude rail version:

V1-A1-00014-10P00-2003627	4×9W=36W	2700K	4000Lm
V1-A1-00014-10P00-2003640	4×9W=36W	4000K	4200Lm
V1-A1-00014-10P00-2003665	4×9W=36W	6500K	4400Lm

### \*Emergency version: emergency power supply & 3-hour battery:

V1-A1-00014-10X11-2003640	4×9W=36W	4000K	4200Lm
V1-A1-00014-10X11-2003665	4×9W=36W	6500K	4400Lm

Diffuser	Product code	Diffuser type
(supplied separately)	V2-A1-PR00-00.2.0030.25	Prisma Standard
	V2-A1-OP00-03.2.0030.15	Opal
	V2-A1-PS00-00.2.0030.20	Pin-spot
	V2-A1-CI00-00.2.0030.20	Chipped ice
	V2-A1-MP00-02.2.0030.20	Microprisma



- ▶ LED modules 2835 SMD 18×0.5W LED = 9W
- ▶ Power supply 40W
- ▶ Dimensions 593×593×60mm
- ▶ High color rendering index CRI (R<sub>a</sub>) >80
- ▶ Operating temperature -20°C to +50°C
- ▶ Input voltage AC176-264V
- ▶ Frequency 50Hz ± 10%
- ▶ LED lifetime 50 000h
- ▶ 3 year warranty
- ▶ Luminaire package dimensions 627×614×62mm
- ▶ Diffuser package dimensions (2 pcs.) 610×610×16mm
- ▶ Low illumination ripple factor IRF ≤ 1%
- ▶ PF ≥ 0,98
- ▶ Safety class I



12 versions of luminaires are available: for Prelude and Silhouette rail types  
Apply to your manager for the stock list

All goods are certified

# LED luminaires 600×600×62mm

## Armstrong Clip-In IP40/IP54 edge profile



### Housing

- ▶ All-metal housing made of sheet steel with white powder paint application
- ▶ IP40/IP54
- ▶ Silicon gasket around the perimeter of the housing for safety purposes in IP54 version

### IP54 luminaire's application

- ▶ Medical premises, restaurants, food industry facilities, canteens, laboratories, toilet facilities, premises with high humidity

### Installation

- ▶ Mounted into suspended ceilings Armstrong with Clip-In edge profile

### Diffuser

- ▶ Luminaire IP54 is supplied by opal PC diffuser

#### Luminaire IP40:

	Product code	Wattage	Colour temperature	Luminous flux
Housing	V1-A1-00027-10000-4003627	4×9W=36W	2700K	4000Lm
	V1-A1-00027-10000-4003640	4×9W=36W	4000K	4200Lm
	V1-A1-00027-10000-4003665	4×9W=36W	6500K	4400Lm

#### \*Emergency version: emergency power supply & 3-hour battery:

V1-A1-00027-10A00-4003640	4×9W=36W	4000K	4200Lm
V1-A1-00027-10A00-4003665	4×9W=36W	6500K	4400Lm

#### Luminaire IP54:

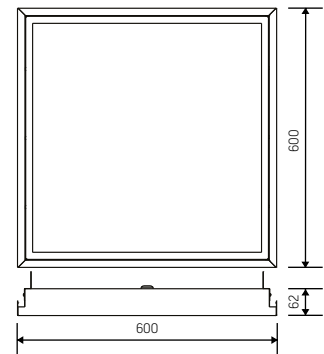
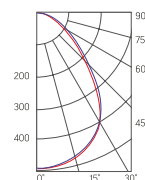
V1-A1-00027-10000-5403627	4×9W=36W	2700K	4000Lm
V1-A1-00027-10000-5403640	4×9W=36W	4000K	4200Lm
V1-A1-00027-10000-5403665	4×9W=36W	6500K	4400Lm

#### \*Emergency version: emergency power supply & 3-hour battery:

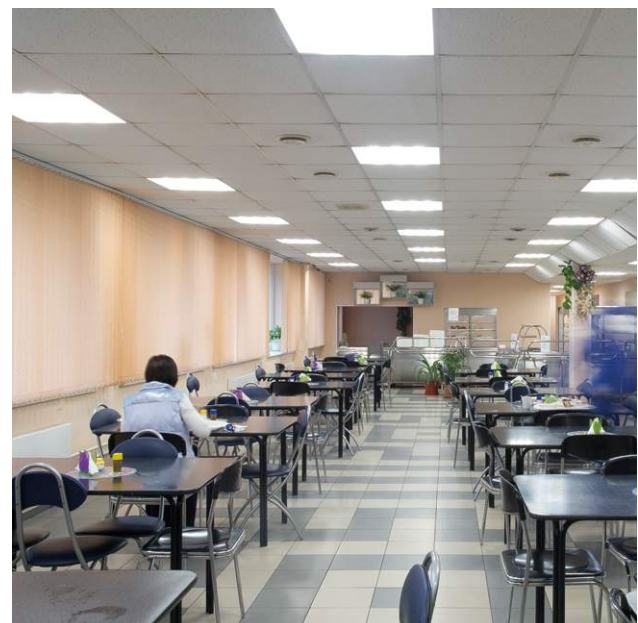
V1-A1-00027-10A00-5403640	4×9W=36W	4000K	4200Lm
V1-A1-00027-10A00-5403665	4×9W=36W	6500K	4400Lm

#### Diffusers for IP40 version are supplied separately:

V2-A1-PR00-00.2.0028.25	Prisma Standard
V2-A1-OP00-03.2.0028.15	Opal
V2-A1-PS00-00.2.0028.20	Pin-spot
V2-A1-CI00-00.2.0028.20	Chipped ice
V2-A1-MP00-02.2.0028.20	Microprisma



- ▶ LED modules 2835 SMD 18×0.5W LED = 9W
- ▶ Power supply 40W
- ▶ Dimensions 600×600×62 mm
- ▶ High color rendering index CRI (R<sub>a</sub>) >80
- ▶ Operating temperature -20°C to +50°C
- ▶ Input voltage AC176-264V
- ▶ Frequency 50Hz ± 10%
- ▶ LED lifetime 50 000h
- ▶ 3 year warranty
- ▶ Luminaire package dimensions 627×614×62mm
- ▶ Diffuser package dimensions (2 pcs.) 610×610×16mm
- ▶ Low illumination ripple factor IRF ≤ 1 %
- ▶ PF ≥ 0,98
- ▶ Safety class I



# LED luminaires 600×600×62mm Cesal ceilings IP40/IP54



## Housing

- ▶ All-metal housing made of sheet steel with white powder paint application
- ▶ IP40/IP54
- ▶ Silicon gasket around the perimeter of the housing for safety purposes in IP54 version

## IP54 luminaire's application

- ▶ Medical premises, restaurants, food industry facilities, canteens, laboratories, toilet facilities, premises with high humidity

## Installation

- ▶ Mounted into suspended ceilings Cesal

## Diffuser

- ▶ Luminaire IP54 is supplied by opal PC diffuser

### Luminaire IP40:

	Product code	Wattage	Colour temperature	Luminous flux
Housing	V1-A3-00027-10000-4003627	4×9W=36W	2700K	4000Lm
	V1-A3-00027-10000-4003640	4×9W=36W	4000K	4200Lm
	V1-A3-00027-10000-4003665	4×9W=36W	6500K	4400Lm

### \*Emergency version: emergency power supply & 3-hour battery:

	V1-A3-00027-10A00-4003640	4×9W=36W	4000K	4200Lm
	V1-A3-00027-10A00-4003665	4×9W=36W	6500K	4400Lm

### Luminaire IP54:

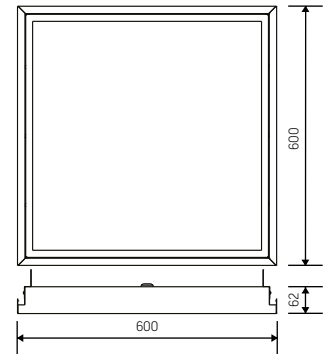
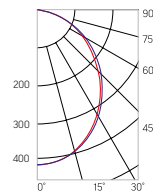
	V1-A3-00027-10000-5403627	4×9W=36W	2700K	4000Lm
	V1-A3-00027-10000-5403640	4×9W=36W	4000K	4200Lm
	V1-A3-00027-10000-5403665	4×9W=36W	6500K	4400Lm

### \*Emergency version: emergency power supply & 3-hour battery:

	V1-A3-00027-10A00-5403640	4×9W=36W	4000K	4200Lm
	V1-A3-00027-10A00-5403665	4×9W=36W	6500K	4400Lm

### Diffusers for IP40 version are supplied separately:

V2-A1-PR00-00.2.0032.25	Prisma Standard
V2-A1-OP00-03.2.0032.15	Opal
V2-A1-PS00-00.2.0032.20	Pin-spot
V2-A1-CI00-00.2.0032.20	Chipped ice
V2-A1-MP00-02.2.0032.20	Microprisma



- ▶ LED modules 2835 SMD 18×0.5W LED = 9W
- ▶ Power supply 40W
- ▶ Dimensions 600×600×62 mm
- ▶ High color rendering index CRI (R<sub>a</sub>) >80
- ▶ Operating temperature -20°C to +50°C
- ▶ Input voltage AC176-264V
- ▶ Frequency 50Hz ± 10%
- ▶ LED lifetime 50 000h
- ▶ 3 year warranty
- ▶ Luminaire package dimensions 627×614×62mm
- ▶ Diffuser package dimensions (2 pcs.) 610×610×16mm
- ▶ Low illumination ripple factor IRF ≤ 1 %
- ▶ PF ≥ 0,98
- ▶ Safety class I



# HEALTHCARE LIGHTING





# LED luminaires HYGIENE IP54 595×595×55mm



## Housing

- ▶ All-metal housing made of sheet steel with white powder paint application
- ▶ Silicone seal between housing and diffuser for higher protection degree
- ▶ IP54

## Installation

- ▶ Mounted into suspended ceilings Armstrong or mounted on plain surface

## Diffuser

- ▶ Polycarbonate opal diffuser

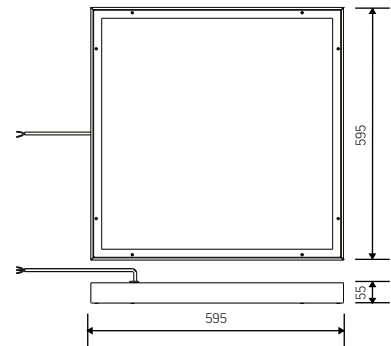
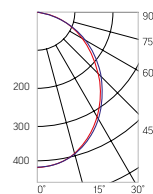
## Application

- ▶ Hospitals, food industry, laboratories, premises with high humidity

	Product code	Wattage	Colour temperature	Luminous flux
Housing	V1-C0-00080-10000-5402727	3×9W=27W	2700K	3000Lm
	V1-C0-00080-10000-5402740	3×9W=27W	4000K	3150Lm
	V1-C0-00080-10000-5402765	3×9W=27W	6500K	3300Lm
	V1-C0-00080-10000-5403627	4×9W=36W	2700K	4000Lm
	V1-C0-00080-10000-5403640	4×9W=36W	4000K	4200Lm
	V1-C0-00080-10000-5403665	4×9W=36W	6500K	4400Lm
	V1-C0-00080-10000-5405440	6×9W=54W	4000K	6300Lm
	V1-C0-00080-10000-5405465	6×9W=54W	6500K	6600Lm

### \*Emergency version: emergency power supply & 3-hour battery:

V1-C0-00080-10A00-5402740	3×9W=27W	4000K	3150Lm
V1-C0-00080-10A00-5402765	3×9W=27W	6500K	3300Lm
V1-C0-00080-10A00-5403640	4×9W=36W	4000K	4200Lm
V1-C0-00080-10A00-5403665	4×9W=36W	6500K	4400Lm
V1-C0-00080-10A00-5405440	6×9W=54W	4000K	6300Lm
V1-C0-00080-10A00-5405465	6×9W=54W	6500K	6600Lm



- ▶ LED modules 2835 SMD 18×0.5W LED = 9W
- ▶ Power supply 30W/40W/2×30W/60W
- ▶ Dimensions 595×595×55mm
- ▶ High color rendering index CRI (R<sub>a</sub>) >80
- ▶ Operating temperature -20°C to +50°C
- ▶ Input voltage AC176-264V
- ▶ Frequency 50Hz ± 10%
- ▶ LED lifetime 50 000h
- ▶ 3 year warranty
- ▶ Luminaire package dimensions 627×614×62mm
- ▶ Low illumination ripple factor IRF ≤ 1 %
- ▶ PF ≥ 0,98
- ▶ Safety class I





# LED luminaires HYGIENE IP54 1195×180×55mm



## Housing

- ▶ All-metal housing made of sheet steel with white powder paint application
- ▶ Silicone seal between housing and diffuser for higher protection degree
- ▶ IP54

## Installation

- ▶ Mounted into suspended ceilings Armstrong or mounted on plain surface

## Diffuser

- ▶ Polycarbonate opal diffuser

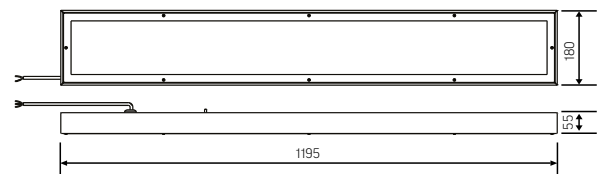
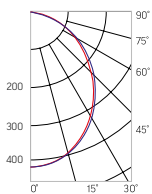
## Application

- ▶ Hospitals, food industry, laboratories, premises with high humidity

	Product code	Wattage	Colour temperature	Luminous flux
Housing	V1-C0-00280-10000-5403627	4×9W=36W	2700K	4000Lm
	V1-C0-00280-10000-5403640	4×9W=36W	4000K	4200Lm
	V1-C0-00280-10000-5403665	4×9W=36W	6500K	4400Lm
	V1-C0-00280-10000-5405440	6×9W=54W	4000K	6300Lm
	V1-C0-00280-10000-5405465	6×9W=54W	6500K	6600Lm

### \*Emergency version: emergency power supply & 3-hour battery:

V1-C0-00280-10A00-5403640	4×9W=36W	4000K	4200Lm
V1-C0-00280-10A00-5403665	4×9W=36W	6500K	4400Lm
V1-C0-00280-10A00-5405440	6×9W=54W	4000K	6300Lm
V1-C0-00280-10A00-5405465	6×9W=54W	6500K	6600Lm



- ▶ LED modules 2835 SMD 18×0.5W LED = 9W
- ▶ Power supply 40W/2×30W/60W
- ▶ Dimensions 1195×180×55mm
- ▶ High color rendering index CRI (R<sub>a</sub>) >80
- ▶ Operating temperature -20°C to +50°C
- ▶ Input voltage AC176-264V
- ▶ Frequency 50Hz ± 10%
- ▶ LED lifetime 50 000h
- ▶ 3 year warranty
- ▶ Luminaire package dimensions 1232×199×62mm
- ▶ Low illumination ripple factor IRF ≤ 1 %
- ▶ PF ≥ 0,98
- ▶ Safety class I



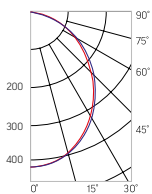
# LED luminaires HYGIENE IP54 595×180×55mm



	Product code	Wattage	Colour temperature	Luminous flux
Housing	V1-C0-00180-10000-5401827	2×9W=18W	2700K	2000Lm
	V1-C0-00180-10000-5401840	2×9W=18W	4000K	2100Lm
	V1-C0-00180-10000-5401865	2×9W=18W	6500K	2200Lm

**\*Emergency version: emergency power supply & 3-hour battery:**

V1-C0-00180-10A00-5401840	2×9W=18W	4000K	2100Lm
V1-C0-00180-10A00-5401865	2×9W=18W	6500K	2200Lm



- ▶ LED modules 2835 SMD 18×0.5W LED = 9W
- ▶ Power supply 20W
- ▶ Dimensions 595×180×55mm
- ▶ High color rendering index CRI (R<sub>a</sub>) >80
- ▶ Operating temperature -20°C to +50°C
- ▶ Input voltage AC176-264V
- ▶ Frequency 50Hz ± 10%
- ▶ LED lifetime 50 000h
- ▶ 3 year warranty
- ▶ Luminaire package dimensions 1232×199×62mm
- ▶ Low illumination ripple factor IRF ≤ 1 %
- ▶ PF ≥ 0,98
- ▶ Safety class I

## Housing

- ▶ All-metal housing made of sheet steel with white powder paint application
- ▶ Silicone seal between housing and diffuser for higher protection degree
- ▶ IP54

## Installation

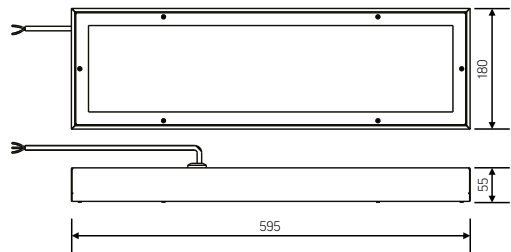
- ▶ Mounted into suspended ceilings Armstrong or mounted on plain surface

## Diffuser

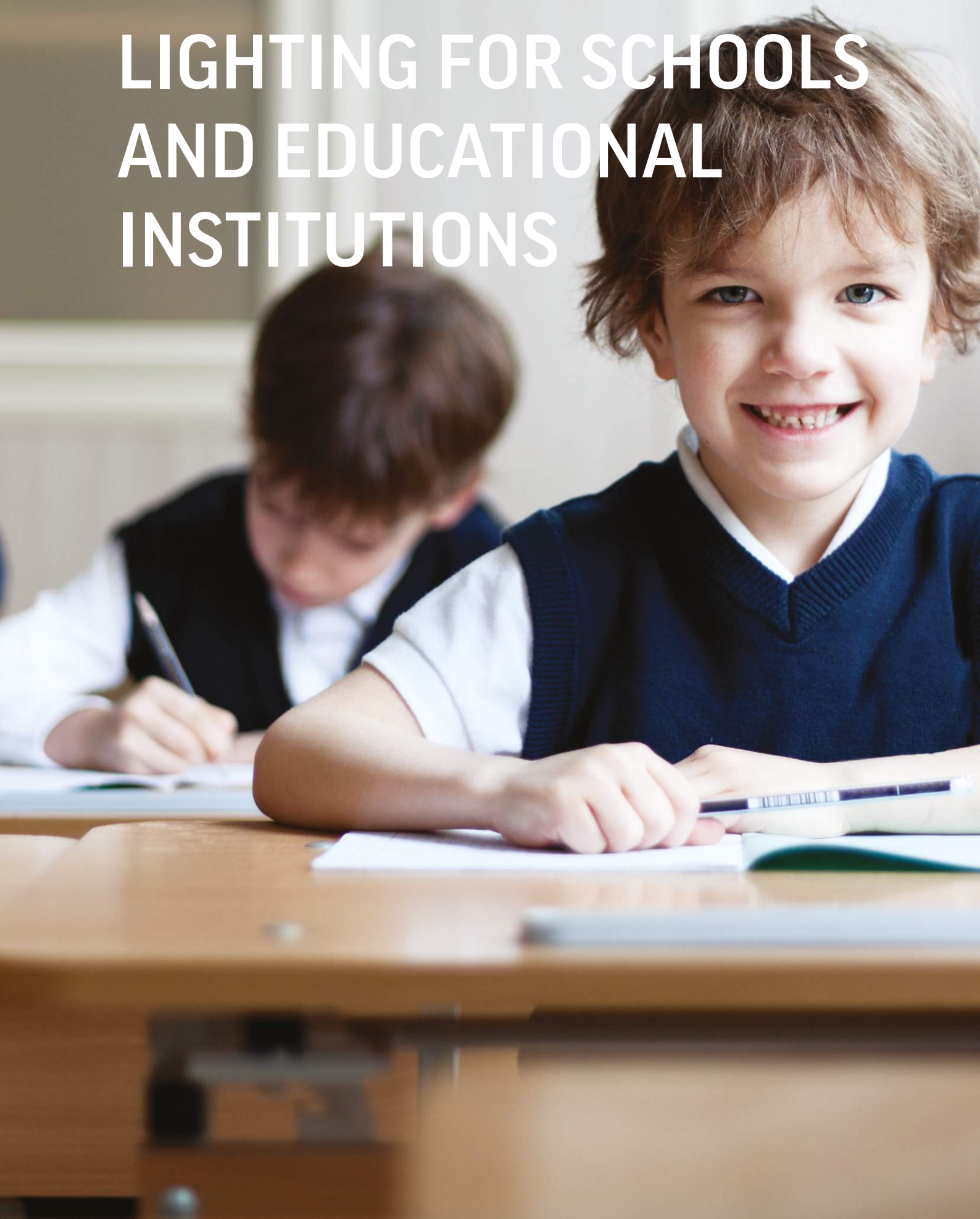
- ▶ Polycarbonate opal diffuser

## Application

- ▶ Hospitals, food industry, laboratories, premises with high humidity



# LIGHTING FOR SCHOOLS AND EDUCATIONAL INSTITUTIONS



# LED luminaires PREMIUM 595×595×50mm

for educational institutions



	Product code	Wattage	Colour temperature	Luminous flux
Housing	V1-E0-00070-01000-2003639	4×9W=36W	3950K	4200Lm

**\*Emergency version: emergency power supply & 3-hour battery:**

	V1-E0-00070-01A00-2003639	4×9W=36W	3950K	4200Lm
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## Housing

- ▶ All-metal housing made of sheet steel with white powder paint application
- ▶ IP20/IP40 on request
- ▶ See p.8 for detailed list of all features
- ▶ 90 LEDs×0.1W per PCB for better illumination uniformity

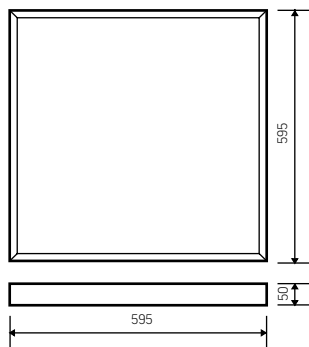
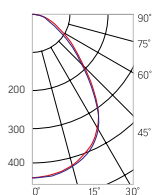
## Installation

- ▶ Mounted into suspended ceilings Armstrong or mounted on plain surface

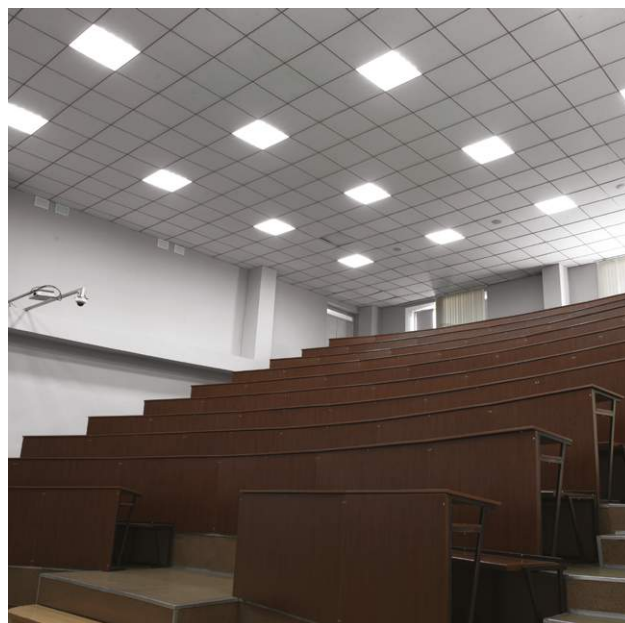
## Application

- ▶ Schools, educational institutions, auditoriums, premises with higher requirements for light quality

Diffuser	Product code	Diffuser type
	V2-A0-PR00-00.2.0007.25	Prisma Standard
(supplied separately)	V2-A0-OP00-03.2.0007.15	Opal
	V2-A0-PS00-00.2.0007.20	Pin-spot
	V2-A0-CI00-00.2.0007.20	Chipped ice
	V2-A0-MP00-02.2.0007.20	Microprisma



- ▶ LED modules 3528 SMD 90x0.1W LED = 9W
- ▶ Power supply 40W
- ▶ Dimensions 595×595×50mm
- ▶ High color rendering index CRI (R<sub>a</sub>) >80
- ▶ Operating temperature -20°C to +50°C
- ▶ Input voltage AC176-264V
- ▶ Frequency 50Hz ± 10%
- ▶ LED lifetime 50 000h
- ▶ 3 year warranty
- ▶ Luminaire package dimensions 627×614×62 mm
- ▶ Diffuser package dimensions (2 pcs.) 610×610×16mm
- ▶ Low illumination ripple factor IRF ≤ 1 %
- ▶ PF ≥ 0,98
- ▶ Safety class I





# LED luminaires PREMIUM 1195×180×50mm

for educational institutions



## Housing

- ▶ All-metal housing made of sheet steel with white powder paint application
- ▶ IP20/IP40 on request
- ▶ See p.8 for detailed list of all features
- ▶ 90 LEDs×0.1W per PCB for better illumination uniformity

## Installation

- ▶ Mounted into suspended ceilings Armstrong or mounted on plain surface

## Application

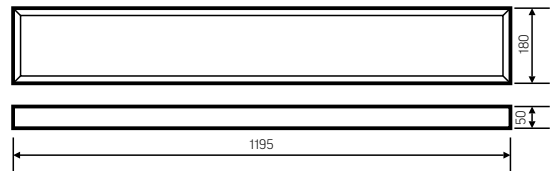
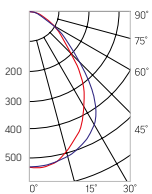
- ▶ Schools, educational institutions, auditoriums, premises with higher requirements for light quality

	Product code	Wattage	Colour temperature	Luminous flux
Housing	V1-E0-00270-01000-2003639	4×9W=36W	3950K	4200Lm

### \*Emergency version: emergency power supply & 3-hour battery:

	V1-E0-00270-01A00-2003639	4×9W=36W	3950K	4200Lm
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Diffuser (supplied separately)	Code	Diffuser Type
	V2-A0-PR00-00.2.0017.25	Prisma Standard
	V2-A0-OP00-03.2.0017.15	Opal
	V2-A0-PS00-00.2.0017.20	Pin-spot
	V2-A0-CI00-00.2.0017.20	Chipped ice
	V2-A0-MP00-02.2.0017.20	Microprisma



- ▶ LED modules 3528 SMD 90x0.1W LED = 9W
- ▶ Power supply 40W
- ▶ Dimensions 595×595×50mm
- ▶ High color rendering index CRI (R<sub>a</sub>) >80
- ▶ Operating temperature -20°C to +50°C
- ▶ Input voltage AC176-264V
- ▶ Frequency 50Hz ± 10%
- ▶ LED lifetime 50 000h
- ▶ 3 year warranty
- ▶ Luminaire package dimensions 1232×199×62mm
- ▶ Diffuser package dimensions (2 pcs.) 1205×190×18mm
- ▶ Low illumination ripple factor IRF ≤ 1 %
- ▶ PF ≥ 0,98
- ▶ Safety class I





# LED luminaires PREMIUM 595×180×50mm

for educational institutions



## Housing

- ▶ All-metal housing made of sheet steel with white powder paint application
- ▶ IP20/IP40 on request
- ▶ See p.8 for detailed list of all features
- ▶ 90 LEDs×0.1W per PCB for better illumination uniformity

## Installation

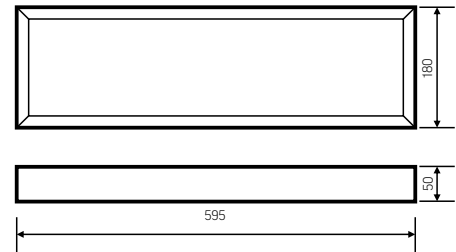
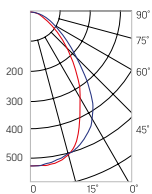
- ▶ Mounted into suspended ceilings Armstrong or mounted on plain surface

## Application

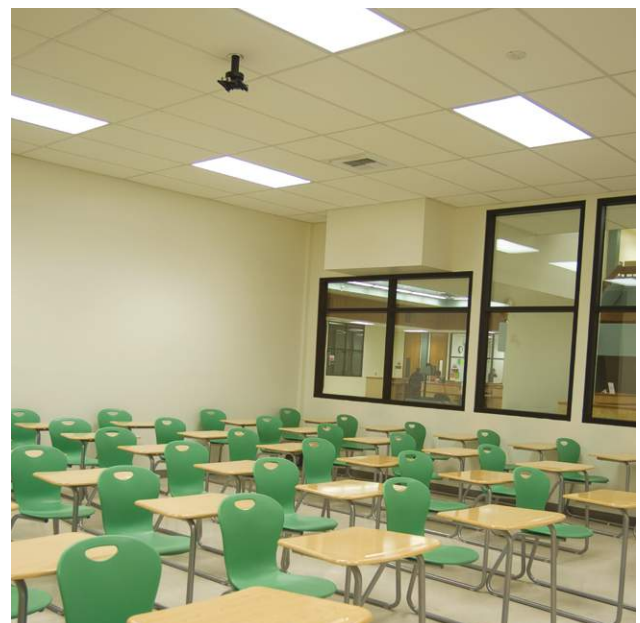
- ▶ Schools, educational institutions, auditoriums, premises with high requirements for light quality

	Product code	Wattage	Colour temperature	Luminous flux
Housing	V1-E0-00170-01000-2001839	2×9W=18W	3950K	2100Lm

Diffuser (supplied separately)	V2-A0-PR00-00.2.0008.25	Prisma Standard
	V2-A0-OP00-03.2.0008.15	Opal
	V2-A0-PS00-00.2.0008.20	Pin-spot
	V2-A0-CI00-00.2.0008.20	Chipped ice
	V2-A0-MP00-02.2.0008.20	Microprisma



- ▶ LED modules 3528 SMD 90x0.1W LED = 9W
- ▶ Power supply 20W
- ▶ Dimensions 595×180×50mm
- ▶ High color rendering index CRI (R<sub>a</sub>) >80
- ▶ Operating temperature -20°C to +50°C
- ▶ Input voltage AC176-264V
- ▶ Frequency 50Hz ± 10%
- ▶ LED lifetime 50 000h
- ▶ 3 year warranty
- ▶ IP20/IP40 on request
- ▶ Luminaire package dimensions 1232×199×62mm
- ▶ Diffuser package dimensions (2 pcs.) 1205×190×18mm
- ▶ Low illumination ripple factor IRF ≤ 1 %
- ▶ PF ≥ 0,98
- ▶ Safety class I



# LED luminaires 1195×200×65mm for sports facilities



## Housing

- ▶ All-metal housing made of sheet steel with white powder paint application
- ▶ IP20/IP40 on request
- ▶ See p.8 for detailed list of all features
- ▶ Metal wire guard

## Installation

- ▶ Surface mounting only

## Packaging

- ▶ Wire guard is included

## Application

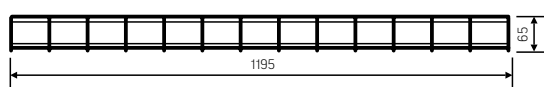
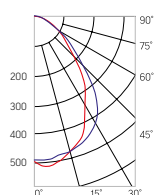
- ▶ Sports facilities
- ▶ 54W luminaires for high ceilings premises

	Product code	Wattage	Colour temperature	Luminous flux
Housing	V1-E0-00066-20000-2003640	4×9W=36W	4000K	4200Lm
	V1-E0-00066-20000-2003665	4×9W=36W	6500K	4400Lm
	V1-E0-00066-20000-2005440	6×9W=54W	4000K	6300Lm
	V1-E0-00066-20000-2005465	6×9W=54W	6500K	6600Lm

### \*Emergency version: emergency power supply & 3-hour battery:

V1-E0-00066-20A00-2003640	4×9W=36W	4000K	4200Lm
V1-E0-00066-20A00-2003665	4×9W=36W	6500K	4400Lm
V1-E0-00066-20A00-2005440	6×9W=54W	4000K	6300Lm
V1-E0-00066-20A00-2005465	6×9W=54W	6500K	6600Lm

Diffuser (supplied separately)	V2-A0-PR00-00.2.0017.25	Prisma Standard
	V2-A0-OP00-03.2.0017.15	Opal
	V2-A0-PS00-00.2.0017.20	Pin-spot
	V2-A0-CI00-00.2.0017.20	Chipped ice
	V2-A0-MP00-02.2.0017.20	Microprisma



- ▶ LED modules 2835 SMD 18×0.5W LED = 9W
- ▶ Power supply 40W/2×30W/60W
- ▶ Dimensions 1195×200×65mm (including wire guard)
- ▶ High color rendering index CRI (R<sub>a</sub>) >80
- ▶ Operating temperature -20°C to +50°C
- ▶ Input voltage AC176-264V
- ▶ Frequency 50Hz ± 10%
- ▶ LED lifetime 50 000h
- ▶ 3 year warranty
- ▶ Luminaire package dimensions 1232×199×62mm
- ▶ Diffuser package dimensions (2 pcs.) 1205×190×18mm
- ▶ Low illumination ripple factor IRF ≤ 1%
- ▶ PF ≥ 0,98
- ▶ Safety class I



# LED luminaires 595×200×65mm for sports facilities



## Housing

- ▶ All-metal housing made of sheet steel with white powder paint application
- ▶ IP20/IP40 on request
- ▶ See p.8 for detailed list of all features
- ▶ Metal wire guard

## Installation

- ▶ Surface mounting only

## Packaging

- ▶ Wire guard is included

## Application

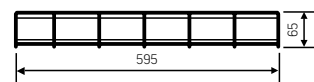
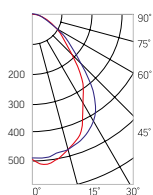
- ▶ Sports facilities

	Product code	Wattage	Colour temperature	Luminous flux
Housing	V1-E0-00067-20000-2001840	2×9W=18W	4000K	2100Lm
	V1-E0-00067-20000-2001865	2×9W=18W	6500K	2200Lm

### \*Emergency version: emergency power supply & 3-hour battery:

V1-E0-00067-20A00-2001840	2×9W=18W	4000K	2100Lm
V1-E0-00067-20A00-2001865	2×9W=18W	6500K	2200Lm

Diffuser (supplied separately)	Code	Model
	V2-A0-PR00-00.2.0008.25	Prisma Standard
	V2-A0-OP00-03.2.0008.15	Opal
	V2-A0-PS00-00.2.0008.20	Pin-spot
	V2-A0-CI00-00.2.0008.20	Chipped ice
	V2-A0-MP00-02.2.0008.20	Microprisma



- ▶ LED modules 2835 SMD 18×0.5W LED = 9W
- ▶ Power supply 20W
- ▶ Dimensions 595×200×65mm (including wire guard)
- ▶ High color rendering index CRI (R<sub>a</sub>) >80
- ▶ Operating temperature -20°C to +50°C
- ▶ Input voltage AC176-264V
- ▶ Frequency 50Hz ± 10%
- ▶ LED lifetime 50 000h
- ▶ 3 year warranty
- ▶ Luminaire package dimensions 1232×199×62mm
- ▶ Diffuser package dimensions (2 pcs.) 1205×190×18mm
- ▶ Low illumination ripple factor IRF ≤ 1 %
- ▶ PF ≥ 0,98
- ▶ Safety class I



# LED luminaires 595×620×65mm

for sports facilities



## Housing

- ▶ All-metal housing made of sheet steel with white powder paint application
- ▶ IP20/IP40 on request
- ▶ See p.8 for detailed list of all features
- ▶ Metal wire guard

## Installation

- ▶ Surface mounting only

## Packaging

- ▶ Wire guard is included

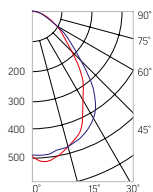
## Application

- ▶ Sports facilities
- ▶ 54W luminaires for high ceilings premises

	Product code	Wattage	Colour temperature	Luminous flux
Housing	V1-E0-00024-20000-2003640	4×9W=36W	4000K	4200Lm
	V1-E0-00024-20000-2003665	4×9W=36W	6500K	4400Lm
	V1-E0-00024-20000-2005440	6×9W=54W	4000K	6300Lm
	V1-E0-00024-20000-2005465	6×9W=54W	6500K	6600Lm

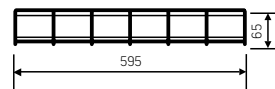
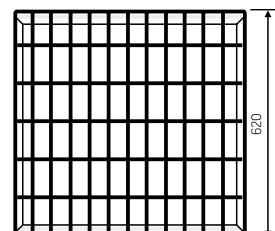
### \*Emergency version: emergency power supply & 3-hour battery:

V1-E0-00024-20A00-2003640	4×9W=36W	4000K	4200Lm
V1-E0-00024-20A00-2003665	4×9W=36W	6500K	4400Lm
V1-E0-00024-20A00-2005440	6×9W=54W	4000K	6300Lm
V1-E0-00024-20A00-2005465	6×9W=54W	6500K	6600Lm



Diffuser  
(supplied separately)

V2-A0-PR00-00.2.0007.25	Prisma Standard
V2-A0-OP00-03.2.0007.15	Opal
V2-A0-PS00-00.2.0007.20	Pin-spot
V2-A0-CI00-00.2.0007.20	Chipped ice
V2-A0-MP00-02.2.0007.20	Microprisma



- ▶ LED modules 2835 SMD 18×0.5W LED = 9W
- ▶ Power supply 40W/2×30W/60W
- ▶ Dimensions 595×620×65mm (including wire guard)
- ▶ High color rendering index CRI (R<sub>a</sub>) >80
- ▶ Operating temperature -20°C to +50°C
- ▶ Input voltage AC176-264V
- ▶ Frequency 50Hz ± 10%
- ▶ LED lifetime 50 000h
- ▶ 3 year warranty
- ▶ Luminaire package dimensions 635×614×67mm
- ▶ Diffuser package dimensions (2 pcs.) 610×610×16mm
- ▶ Low illumination ripple factor IRF ≤ 1%
- ▶ PF ≥ 0,98
- ▶ Safety class I



# LED luminaires BLACKBOARD



- ▶ All-metal housing made of sheet with white powder paint application
- ▶ IP20/IP40 on request
- ▶ See p.8 for detailed list of all features
- ▶ 90 LEDs × 0.1W per PCB for better illumination uniformity

## Installation

- ▶ Can be mounted on vertical surface by means of brackets

## Accessories

- ▶ Mounting accessories are supplied separately

## Diffusers

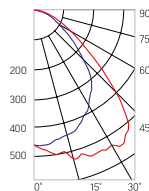
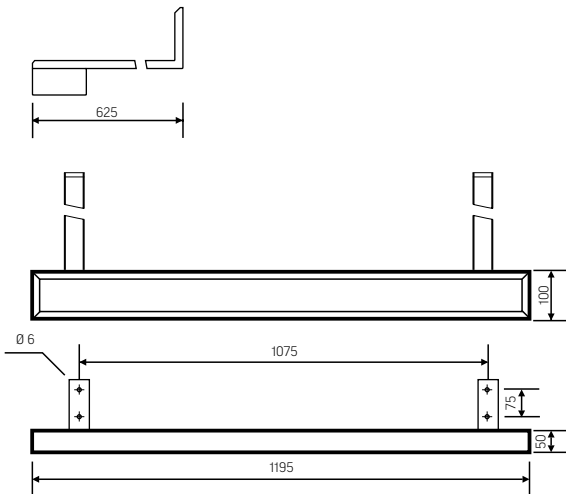
- ▶ Recommended diffuser type – chipped ice
- ▶ Another diffuser types available

	Product code	Wattage	Colour temperature	Luminous flux
Housing	V1-E0-00270-60000-2001839	2×9W=18W	3950K	2100Lm

### Mounting brackets with a set of fasteners (2 pcs. in a package):

V4-E0-00.0005.SCO-0001	600mm
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Diffuser (supplied separately)	Code	Type
	V2-A0-PR00-00.2.0016.25	Prisma Standard
	V2-A0-OP00-03.2.0016.15	Opal
	V2-A0-PS00-00.2.0016.20	Pin-spot
	V2-A0-CI00-00.2.0016.20	Chipped ice
	V2-A0-MP00-02.2.0016.20	Microprisma



- ▶ LED modules 528 SMD 90x0.1W LED = 9W
- ▶ Power supply 20W
- ▶ Dimensions 1195×100×50mm
- ▶ High color rendering index CRI (R<sub>a</sub>) >80
- ▶ Operating temperature -20°C to +50°C
- ▶ Input voltage AC176-264V
- ▶ Frequency 50Hz ± 10%
- ▶ LED lifetime 50 000h
- ▶ 3 year warranty
- ▶ Luminaire package dimensions 1234×115×69mm
- ▶ Diffuser package dimensions (2 pcs.) 1205×190×18mm
- ▶ Low illumination ripple factor IRF ≤ 1 %
- ▶ PF ≥ 0,98
- ▶ Safety class I





# COMMERCIAL LIGHTING



# LED luminaires MARKET



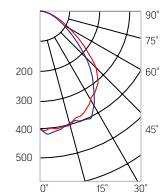
## Housing

- ▶ All-metal housing made of sheet with white powder paint application
- ▶ IP20
- ▶ See p.8 for detailed list of all features

## Installation

- ▶ Set of eye-bolts for suspended installation
- ▶ Set of screws for mounting to cable tray directly

	Product code	Wattage	Colour temperature	Luminous flux	Luminous flux per m	Dimensions a, mm
Housing	V1-R0-00035-31000-2003640	4×9W=36W	4000K	4200Lm	3559Lm/m	1180
	V1-R0-00035-31000-2003665	4×9W=36W	6500K	4400Lm	3729Lm/m	1180
	V1-R0-00040-31000-2005440	6×9W=54W	4000K	6300Lm	3569Lm/m	1765
	V1-R0-00040-31000-2005465	6×9W=54W	6500K	6600Lm	3739Lm/m	1765
	V1-R0-00035-31000-2005440	6×9W=54W	4000K	6300Lm	5339Lm/m	1180
	V1-R0-00035-31000-2005465	6×9W=54W	6500K	6600Lm	5593Lm/m	1180
	V1-R0-00040-31000-2008140	9×9W=81W	4000K	9450Lm	5354Lm/m	1765
	V1-R0-00040-31000-2008165	9×9W=81W	6500K	9900Lm	5609Lm/m	1765



### 1765×186x65

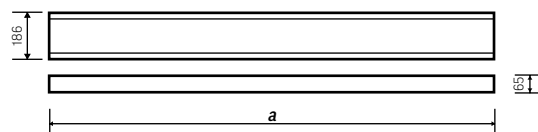
Diffuser	Code	Option
(supplied separately)	V2-R0-PR00-00.2.0026.25	Prisma Standard
	V2-R0-OP00-03.2.0026.15	Opal
	V2-R0-PS00-00.2.0026.20	Pin-spot
	V2-R0-CI00-00.2.0026.20	Chipped ice
	V2-R0-MP00-02.2.0026.20	Microprisma

### \*Emergency version: emergency power supply & 3-hour battery:

	Product code	Wattage	Colour temperature	Luminous flux	Luminous flux per m	Dimensions a, mm
Housing	V1-R0-00035-31A00-2003640	4×9W=36W	4000K	4200Lm	3559Lm/m	1180
	V1-R0-00035-31A00-2003665	4×9W=36W	6500K	4400Lm	3729Lm/m	1180
	V1-R0-00040-31A00-2005440	6×9W=54W	4000K	6300Lm	3569Lm/m	1765
	V1-R0-00040-31A00-2005465	6×9W=54W	6500K	6600Lm	3739Lm/m	1765
	V1-R0-00035-31A00-2005440	6×9W=54W	4000K	6300Lm	5339Lm/m	1180
	V1-R0-00035-31A00-2005465	6×9W=54W	6500K	6600Lm	5593Lm/m	1180
	V1-R0-00040-31A00-2008140	9×9W=81W	4000K	9450Lm	5354Lm/m	1765
	V1-R0-00040-31A00-2008165	9×9W=81W	6500K	9900Lm	5609Lm/m	1765

### 1180×186x65

Diffuser	Code	Option
(supplied separately)	V2-R0-PR00-00.2.0027.25	Prisma Standard
	V2-R0-OP00-03.2.0027.15	Opal
	V2-R0-PS00-00.2.0027.20	Pin-spot
	V2-R0-CI00-00.2.0027.20	Chipped ice
	V2-R0-MP00-02.2.0027.20	Microprisma

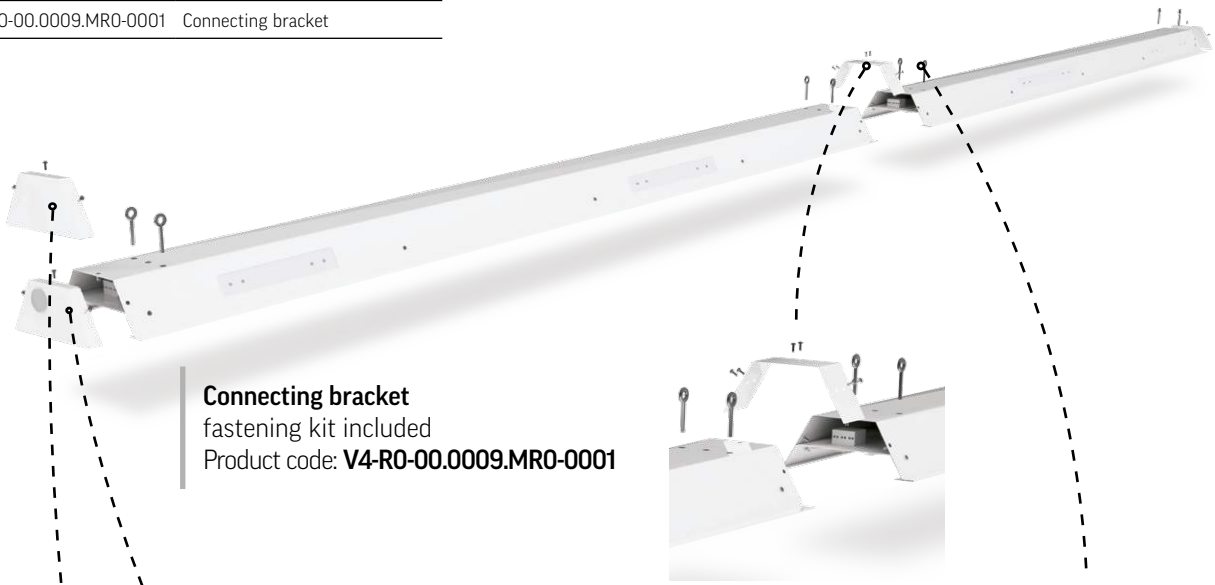


- ▶ LED modules 2835 SMD 18×0.5W LED = 9W
- ▶ Power supply 2×30W/3×30W/40W/60W
- ▶ Dimensions 1765×186x65 mm, 1180×186x65mm
- ▶ High color rendering index CRI (R<sub>a</sub>) >80
- ▶ Operating temperature -20°C to +50°C
- ▶ Input voltage AC176-264V
- ▶ Frequency 50Hz ± 10%
- ▶ LED lifetime 50 000h
- ▶ 3 year warranty
- ▶ Luminaire package dimensions 1220×199×71mm
- ▶ Diffuser package dimensions 1803×203×71mm
- ▶ Low illumination ripple factor IRF ≤ 1%
- ▶ PF ≥ 0,98
- ▶ Safety class I

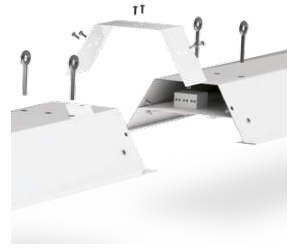


# Accessories for MARKET luminaires

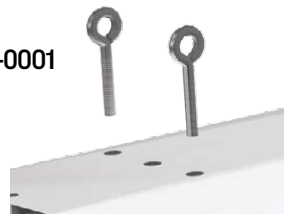
V4-R0-00.0006.MR0-0001	Eye-bolts
V4-R0-00.0007.MR0-0001	End cap
V4-R0-00.0008.MR0-0001	End cap with cable gland
V4-R0-00.0009.MR0-0001	Connecting bracket



**Connecting bracket**  
fastening kit included  
Product code: **V4-R0-00.0009.MR0-0001**



**Eye-bolts**  
Product code: **V4-R0-00.0006.MR0-0001**



**End-cap with cable gland**  
fastening kit included  
Product code: **V4-R0-00.0008.MR0-0001**



**End-cap**  
fastening kit included  
Product code: **V4-R0-00.0007.MR0-0001**



**L-type connector**  
fastening kit included  
Product code: **V4-R0-00.0010.MR0-0001**

## Connection combinations for MARKET luminaires

MARKET luminaires with modular design offer a wide range of combination possibilities: from single continuous light line to various light structures.



**X-type connector**  
fastening kit included  
Product code: **V4-R0-00.0012.MR0-0001**



**T-type connector**  
fastening kit included  
Product code: **V4-R0-00.0011.MR0-0001**



# LED luminaires T-LINE



## Housing

- ▶ Anodized aluminium housing
- ▶ IP20

## Installation

- ▶ Surface and suspended mounting
- ▶ Suspension kit with a set of fasteners
- ▶ Can be installed end-to-end as a continuous "light line"

## Application

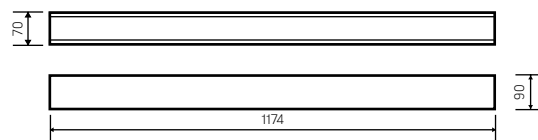
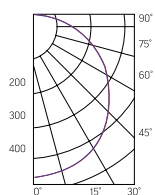
- ▶ T-LINE luminaire is designed for shopping malls, industrial premises, warehouses and workshops

	Product code	Wattage	Colour temperature	Luminous flux	Luminous flux per m
Housing	V1-R0-00033-02000-2001827	2×9W=18W	2700K	2000Lm	1704Lm/m
	V1-R0-00033-02000-2001840	2×9W=18W	4000K	2100Lm	1789Lm/m
	V1-R0-00033-02000-2001865	2×9W=18W	6500K	2200Lm	1874Lm/m
	V1-R0-00033-02000-2003627	4×9W=36W	2700K	4000Lm	3407Lm/m
	V1-R0-00033-02000-2003640	4×9W=36W	4000K	4200Lm	3578Lm/m
	V1-R0-00033-02000-2003665	4×9W=36W	6500K	4400Lm	3748Lm/m

Diffuser	Product code	Diffuser type
(supplied separately)	V2-R0-PR00-00.2.0013.25	Prisma Standard
	V2-R0-OP00-03.2.0013.15	Opal
	V2-R0-PS00-00.2.0013.20	Pin-spot
	V2-R0-CI00-00.2.0013.20	Chipped ice
	V2-R0-MP00-02.2.0013.20	Microprisma

### \*Emergency version: emergency power supply & 3-hour battery:

	Product code	Wattage	Colour temperature	Luminous flux	Luminous flux per m
Housing	V1-R0-00033-02A00-2001840	2×9W=18W	4000K	2100Lm	1789Lm/m
	V1-R0-00033-02A00-2001865	2×9W=18W	6500K	2200Lm	1874Lm/m
	V1-R0-00033-02A00-2003640	4×9W=36W	4000K	4200Lm	3578Lm/m
	V1-R0-00033-02A00-2003665	4×9W=36W	6500K	4400Lm	3748Lm/m

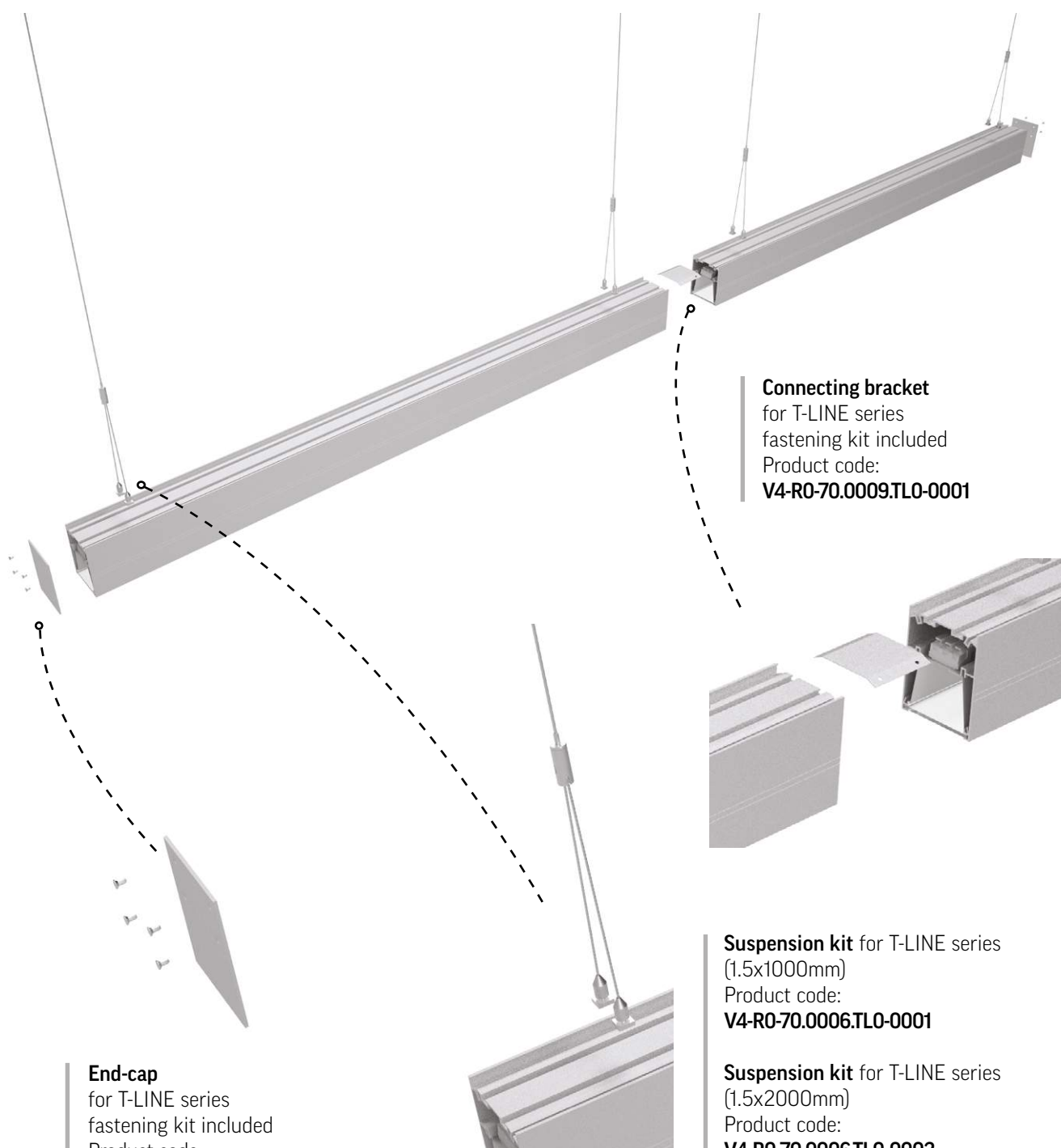


- ▶ LED modules 2835 SMD 18×0.5W LED = 9W
- ▶ Power supply 20W/40W
- ▶ Dimensions 1174×70×90mm
- ▶ High color rendering index CRI (R<sub>a</sub>) >80
- ▶ Operating temperature -20°C to +50°C
- ▶ Input voltage AC176-264V
- ▶ Frequency 50Hz ± 10%
- ▶ LED lifetime 50 000h
- ▶ 3 year warranty
- ▶ Luminaire package dimensions 1234×82×115mm
- ▶ Diffuser package dimensions (2 pcs.) 1205×85×18mm
- ▶ Low illumination ripple factor IRF ≤ 1 %
- ▶ PF ≥ 0,98
- ▶ Safety class I



# Accessories for T-LINE luminaires

V4-R0-70.0006.TL0-0001	Suspension kit
V4-R0-70.0006.TL0-0002	Suspension kit
V4-R0-70.0006.TL0-0003	Suspension kit
V4-R0-70.0007.TL0-0001	End-cap fastening kit included
V4-R0-70.0009.TL0-0001	Connecting bracket fastening kit included



**End-cap**  
for T-LINE series  
fastening kit included  
Product code:  
**V4-R0-70.0007.TL0-0001**

**Connecting bracket**  
for T-LINE series  
fastening kit included  
Product code:  
**V4-R0-70.0009.TL0-0001**

**Suspension kit** for T-LINE series  
(1.5x1000mm)  
Product code:  
**V4-R0-70.0006.TL0-0001**

**Suspension kit** for T-LINE series  
(1.5x2000mm)  
Product code:  
**V4-R0-70.0006.TL0-0002**

**Suspension kit** for T-LINE series  
(1.5x4000mm)  
Product code:  
**V4-R0-70.0006.TL0-0003**



# LED luminaires G-Line 1174×100×80mm

metallic

## Housing

- ▶ Supplied with all kinds of diffusers
- ▶ Anodized aluminum housing
- ▶ IP20

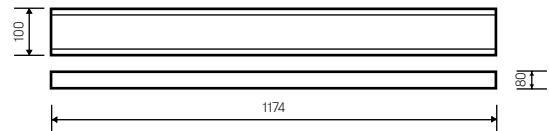
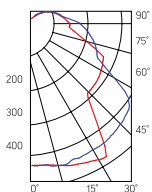
## Installation

- ▶ Due to effective clamping system the luminaires are easily mounted into gypsum board ceilings
- ▶ T-type, L-type and X-type connectors provide a uniform line with no gaps
- ▶ Mounted into Griliato ceilings



	Product code	Wattage	Colour temperature	Luminous flux	Colour of the housing
Housing	V1-R0-70034-80000-2001827	2×9W=18W	2700K	2000Lm	metallic
	V1-R0-70034-80000-2001840	2×9W=18W	4000K	2100Lm	metallic
	V1-R0-70034-80000-2001865	2×9W=18W	6500K	2200Lm	metallic
	V1-R0-70034-80000-2003627	4×9W=36W	2700K	4000Lm	metallic
	V1-R0-70034-80000-2003640	4×9W=36W	4000K	4200Lm	metallic
	V1-R0-70034-80000-2003665	4×9W=36W	6500K	4400Lm	metallic
	V1-R0-70034-80000-2005427	6×9W=54W	2700K	6000Lm	metallic
	V1-R0-70034-80000-2005440	6×9W=54W	4000K	6400Lm	metallic
	V1-R0-70034-80000-2005465	6×9W=54W	6500K	6800Lm	metallic

Diffuser	Product code	Diffuser type
(supplied separately)	V2-R0-PR00-02.2.0031.25	Prisma Standard
	V2-R0-OP00-03.2.0031.15	Opal
	V2-R0-PS00-00.2.0031.20	Pin-spot
	V2-R0-CI00-00.2.0031.20	Chipped ice
	V2-R0-MP00-02.2.0031.20	Microprisma

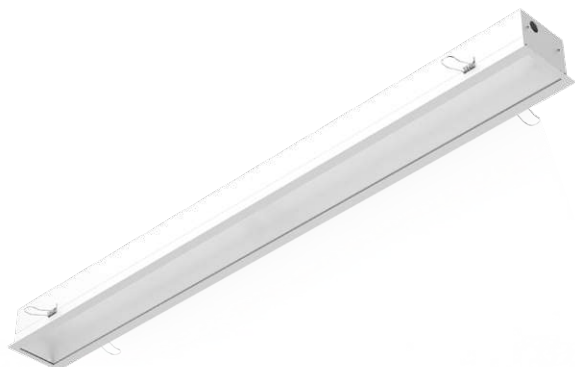


- ▶ LED modules 2835 SMD 18×0.5W LED = 9W
- ▶ Power supply 20W/40W/60W
- ▶ Dimensions 1174×100×80mm
- ▶ High color rendering index CRI (R<sub>a</sub>) >80
- ▶ Operating temperature -20°C to +50°C
- ▶ Input voltage AC176-264V
- ▶ Frequency 50Hz ± 10%
- ▶ LED lifetime 50 000h
- ▶ 3 year warranty
- ▶ Luminaire package dimensions 1180×85×125mm
- ▶ Diffuser package dimensions (2 pcs.) 1205×85×18mm
- ▶ Low illumination ripple factor IRF ≤ 1 %
- ▶ PF ≥ 0,98
- ▶ Safety class I



# LED luminaires G-Line 1174×100×80mm

white



## Housing

- ▶ Supplied with all kinds of diffusers
- ▶ Anodized aluminum housing
- ▶ IP20

## Installation

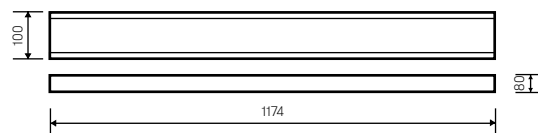
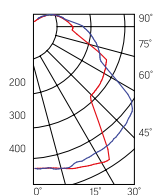
- ▶ Due to effective clamping system the luminaires are easily mounted into gypsum board ceilings
- ▶ T-type, L-type and X-type connectors provide a uniform line with no gaps
- ▶ Mounted into Griliato ceilings

	Product code	Wattage	Colour temperature	Luminous flux	Colour of the housing
Housing	V1-R0-00034-80000-2001827	2×9W=18W	2700K	2000Lm	white
	V1-R0-00034-80000-2001840	2×9W=18W	4000K	2100Lm	white
	V1-R0-00034-80000-2001865	2×9W=18W	6500K	2200Lm	white
	V1-R0-00034-80000-2003627	4×9W=36W	2700K	4000Lm	white
	V1-R0-00034-80000-2003640	4×9W=36W	4000K	4200Lm	white
	V1-R0-00034-80000-2003665	4×9W=36W	6500K	4400Lm	white
	V1-R0-00034-80000-2005427	6×9W=54W	2700K	6000Lm	white
	V1-R0-00034-80000-2005440	6×9W=54W	4000K	6400Lm	white
	V1-R0-00034-80000-2005465	6×9W=54W	6500K	6800Lm	white

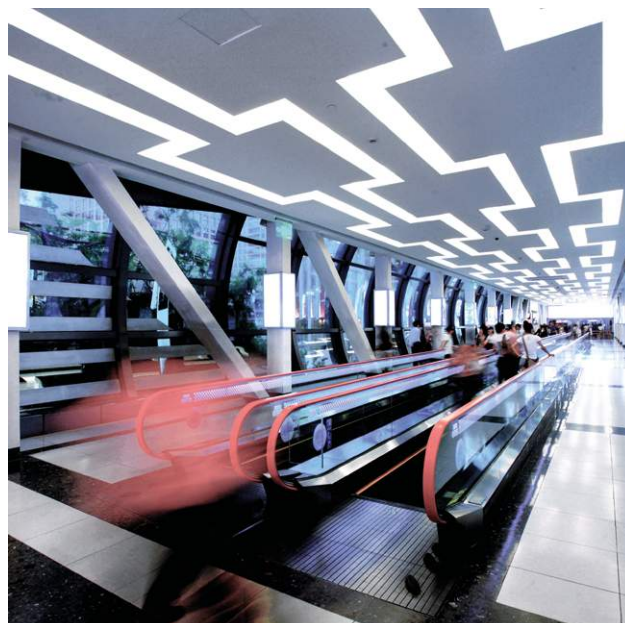
Diffuser	Product code	Diffuser name
(supplied separately)	V2-R0-PR00-02.2.0031.25	Prisma Standard
	V2-R0-OP00-03.2.0031.15	Opal
	V2-R0-PS00-00.2.0031.20	Pin-spot
	V2-R0-CI00-00.2.0031.20	Chipped ice
	V2-R0-MP00-02.2.0031.20	Microprisma

V4-R0-00.0007.GLO-0002 End cap

V4-R0-00.0008.GLO-0002 End cap with cable gland



- ▶ LED modules 2835 SMD 18×0.5W LED = 9W
- ▶ Power supply 20W/40W/60W
- ▶ Dimensions 1174×100×80mm
- ▶ High color rendering index CRI (R<sub>a</sub>) >80
- ▶ Operating temperature -20°C to +50°C
- ▶ Input voltage AC176-264V
- ▶ Frequency 50Hz ± 10%
- ▶ LED lifetime 50 000h
- ▶ 3 year warranty
- ▶ Luminaire package dimensions 1180×85×125mm
- ▶ Diffuser package dimensions (2 pcs.) 1205×85×18mm
- ▶ Low illumination ripple factor IRF ≤ 1 %
- ▶ PF ≥ 0,98
- ▶ Safety class I



# LED luminaires G-Line 1174×100×80mm

dimmmable according to protocol 1-10V

## Housing

- ▶ Supplied with all kinds of diffusers
- ▶ Anodized aluminum housing
- ▶ IP20

## Installation

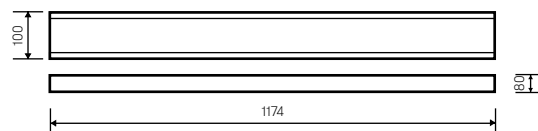
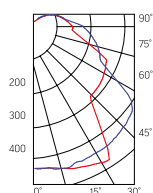
- ▶ Due to effective clamping system the luminaires are easily mounted into gypsum board ceilings
- ▶ T-type, L-type and X-type connectors provide a uniform line with no gaps
- ▶ Mounted into Griliato ceilings



	Product code	Wattage	Colour temperature	Luminous flux	Colour of the housing
Housing	V1-R0-70034-80D00-2003627	4×9W=36W	2700K	4000Lm	metallic
	V1-R0-70034-80D00-2003640	4×9W=36W	4000K	4200Lm	metallic
	V1-R0-70034-80D00-2003665	4×9W=36W	6500K	4400Lm	metallic
	V1-R0-70034-80D00-2005427	6×9W=54W	2700K	6000Lm	metallic
	V1-R0-70034-80D00-2005440	6×9W=54W	4000K	6400Lm	metallic
	V1-R0-70034-80D00-2005465	6×9W=54W	6500K	6800Lm	white
	V1-R0-00034-80D00-2003627	4×9W=36W	2700K	4000Lm	white
	V1-R0-00034-80D00-2003640	4×9W=36W	4000K	4200Lm	white
	V1-R0-00034-80D00-2003665	4×9W=36W	6500K	4400Lm	white
	V1-R0-00034-80D00-2005427	6×9W=54W	2700K	6000Lm	white
	V1-R0-00034-80D00-2005440	6×9W=54W	4000K	6400Lm	white
	V1-R0-00034-80D00-2005465	6×9W=54W	6500K	6800Lm	white

Diffuser (supplied separately)	Product code	Diffuser name
	V2-R0-PR00-02.2.0031.25	Prisma Standard
	V2-R0-OP00-03.2.0031.15	Opal
	V2-R0-PS00-00.2.0031.20	Pin-spot
	V2-R0-CI00-00.2.0031.20	Chipped ice
	V2-R0-MP00-02.2.0031.20	Microprisma

V4-R0-70.0007.GL0-0001	End cap
V4-R0-70.0008.GL0-0001	End cap with cable gland
V4-R0-00.0007.GL0-0002	End cap (white)
V4-R0-00.0008.GL0-0002	End cap with cable gland (white)

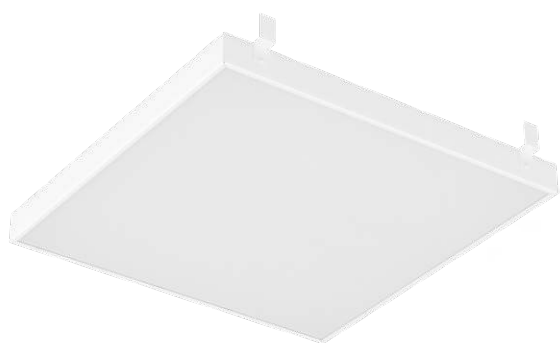


- ▶ LED modules 2835 SMD 18×0.5W LED = 9W
- ▶ Power supply 20W/40W/60W
- ▶ Dimensions 1174×100×80mm
- ▶ High color rendering index CRI (R<sub>a</sub>) >80
- ▶ Operating temperature -20°C to +50°C
- ▶ Input voltage AC176-264V
- ▶ Frequency 50Hz ± 10%
- ▶ LED lifetime 50 000h
- ▶ 3 year warranty
- ▶ Luminaire package dimensions 1180×85×125mm
- ▶ Diffuser package dimensions (2 pcs.) 1205×85×18mm
- ▶ Low illumination ripple factor IRF ≤ 1%
- ▶ PF ≥ 0,98
- ▶ Safety class I



# LED luminaires GRILIATO 588×588×50mm UNIVERSAL

recessed/suspended mounting



## Housing

- ▶ All-metal housing made of sheet steel with white powder paint application
- ▶ IP20
- ▶ See p.8 for detailed list of all features

## Installation

- ▶ Mounted on euro suspensions into Grialato ceiling base through special plates or suspension-mounting execution

## Application

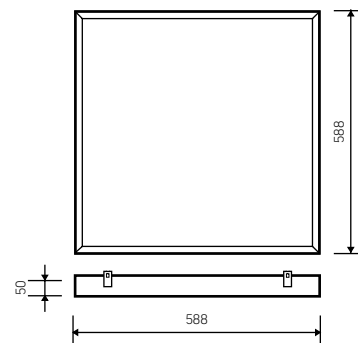
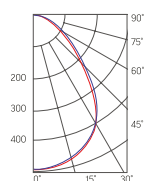
- ▶ Premises with suspended ceilings Grialato, shopping malls, event and exhibition centers, public area

	Product code	Wattage	Colour temperature	Luminous flux
Housing	V1-R3-00010-31000-2002740	3×9W=27W	4000K	3150Lm
	V1-R3-00010-31000-2002765	3×9W=27W	6500K	3300Lm
	V1-R3-00010-31000-2003640	4×9W=36W	4000K	4200Lm
	V1-R3-00010-31000-2003665	4×9W=36W	6500K	4400Lm
	V1-R3-00010-31000-2005440	6×9W=54W	4000K	6300Lm
	V1-R3-00010-31000-2005465	6×9W=54W	6500K	6600Lm

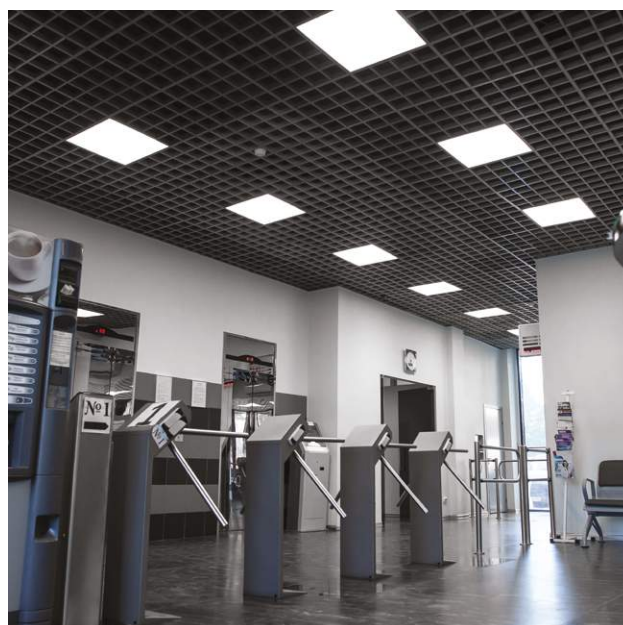
Diffuser	Code	Description
	V2-R0-PR00-00.2.0005.25	Prisma Standard
(supplied separately)	V2-R0-OP00-03.2.0005.15	Opal
	V2-A0-PS00-00.2.0005.20	Pin-spot
	V2-R0-CI00-00.2.0005.20	Chipped ice
	V2-R0-MP00-02.2.0005.20	Microprisma

### \*Emergency version: emergency power supply & 3-hour battery:

V1-R3-00010-31A00-2002727	3×9W=27W	2700K	3000Lm
V1-R3-00010-31A00-2002740	3×9W=27W	4000K	3150Lm
V1-R3-00010-31A00-2002765	3×9W=27W	6500K	3300Lm



- ▶ LED modules 2835 SMD 18×0.5W LED = 9W
- ▶ Power supply / 40W / 2×30W
- ▶ Dimensions 588×588×50mm
- ▶ High color rendering index CRI (R<sub>a</sub>) >80
- ▶ Operating temperature -20°C to +50°C
- ▶ Input voltage AC176-264V
- ▶ Frequency 50Hz ± 10%
- ▶ LED lifetime 50 000h
- ▶ 3 year warranty
- ▶ Luminaire package dimensions 627×614×62mm
- ▶ Diffuser package dimensions (2 pcs.) 610×610×16mm
- ▶ Low illumination ripple factor IRF ≤ 1%
- ▶ PF ≥ 0,98
- ▶ Safety class I





# LED luminaires GRILIATO 585×585×65mm

recessed mounting



## Housing

- ▶ All-metal housing made of sheet with white powder paint application
- ▶ IP20
- ▶ See p.8 for detailed list of all features

## Installation

- ▶ Mounted into Griliato type ceilings by means of wire rope suspensions

## Application

- ▶ Premises with suspended ceilings type Griliato; shopping malls; event and exhibition centers; public area

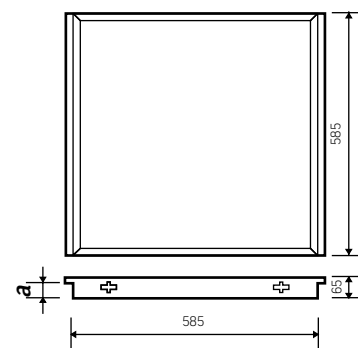
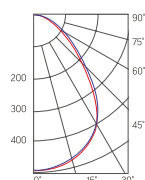
	Product code	Wattage	Colour temperature	Luminous flux
Housing	V1-R3-00071-20000-2002727	3×9W=27W	2700K	3000Lm
	V1-R3-00071-20000-2002740	3×9W=27W	4000K	3150Lm
	V1-R3-00071-20000-2002765	3×9W=27W	6500K	3300Lm
	V1-R3-00071-20000-2003627	4×9W=36W	2700K	4000Lm
	V1-R3-00071-20000-2003640	4×9W=36W	4000K	4200Lm
	V1-R3-00071-20000-2003665	4×9W=36W	6500K	4400Lm
	V1-R3-00071-20000-2005427	6×9W=54W	2700K	6000Lm
	V1-R3-00071-20000-2005440	6×9W=54W	4000K	6300Lm
	V1-R3-00071-20000-2005465	6×9W=54W	6500K	6600Lm

### \*Emergency version: emergency power supply & 3-hour battery:

V1-R3-00071-20A00-2002727	3×9W=27W	2700K	3000Lm
V1-R3-00071-20A00-2002740	3×9W=27W	4000K	3150Lm
V1-R3-00071-20A00-2002765	3×9W=27W	6500K	3300Lm
V1-R3-00071-20A00-2003640	4×9W=36W	4000K	4200Lm
V1-R3-00071-20A00-2003665	4×9W=36W	6500K	4400Lm
V1-R3-00071-20A00-2005440	6×9W=54W	4000K	6300Lm
V1-R3-00071-20A00-2005465	6×9W=54W	6500K	6600Lm

Diffuser	Product code	Material
(supplied separately)	V2-R0-PR00-00.2.0003.25	Prisma Standard
	V2-R0-OP00-03.2.0003.15	Opal
	V2-A0-PS00-00.2.0003.20	Pin-spot
	V2-R0-CI00-00.2.0003.20	Chipped ice
	V2-R0-MP00-02.2.0003.20	Microprisma

Dimensions **a** can vary between 30mm and 55mm subject to technical requirements of the customer.  
Standard size **a** = 50mm



- ▶ LED modules 2835 SMD 18×0.5W LED = 9W
- ▶ Power supply 40W/2×30W/60W
- ▶ Dimensions 585×585×65mm
- ▶ High color rendering index CRI (R<sub>a</sub>) >80
- ▶ Operating temperature -20°C to +50°C
- ▶ Input voltage AC176-264V
- ▶ Frequency 50Hz ± 10%
- ▶ LED lifetime 50 000h
- ▶ 3 year warranty
- ▶ Luminaire package dimensions 625×615×60mm
- ▶ Diffuser package dimensions (2 pcs.) 610×610×16mm
- ▶ Low illumination ripple factor IRF ≤ 1%
- ▶ PF ≥ 0,98
- ▶ Safety class I





# LED luminaires GRILIATO 588×588×50mm

suspended mounting with a frame



## Housing

- ▶ All-metal housing made of sheet with white powder paint application
- ▶ IP20
- ▶ See p.8 for detailed list of all features
- ▶ Decorative frame on the front side of the housing to conceal the ceiling's defects

## Installation

- ▶ Mounted into Griliato type ceilings by means of wire rope suspensions

## Application

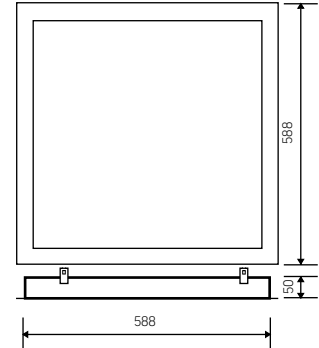
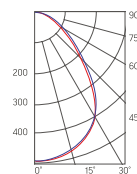
- ▶ Premises with suspended ceilings type Griliato; shopping malls; event and exhibitions centers; public area

	Product code	Wattage	Colour temperature	Luminous flux
Housing	V1-R3-00010-30000-2002727	3×9W=27W	2700K	3000Lm
	V1-R3-00010-30000-2002740	3×9W=27W	4000K	3150Lm
	V1-R3-00010-30000-2002765	3×9W=27W	6500K	3300Lm
	V1-R3-00010-30000-2003627	4×9W=36W	2700K	4000Lm
	V1-R3-00010-30000-2003640	4×9W=36W	4000K	4200Lm
	V1-R3-00010-30000-2003665	4×9W=36W	6500K	4400Lm
	V1-R3-00010-30000-2005427	6×9W=54W	2700K	6000Lm
	V1-R3-00010-30000-2005440	6×9W=54W	4000K	6300Lm
	V1-R3-00010-30000-2005465	6×9W=54W	6500K	6600Lm

### \*Emergency version: emergency power supply & 3-hour battery:

V1-R3-00010-30A00-2002727	3×9W=27W	2700K	3000Lm
V1-R3-00010-30A00-2002740	3×9W=27W	4000K	3150Lm
V1-R3-00010-30A00-2002765	3×9W=27W	6500K	3300Lm
V1-R3-00010-30A00-2003640	4×9W=36W	4000K	4200Lm
V1-R3-00010-30A00-2003665	4×9W=36W	6500K	4400Lm
V1-R3-00010-30A00-2005427	6×9W=54W	2700K	6000Lm
V1-R3-00010-30A00-2005440	6×9W=54W	4000K	6300Lm
V1-R3-00010-30A00-2005465	6×9W=54W	6500K	6600Lm

Diffuser	Code	Material
(supplied separately)	V2-R0-PR00-00.2.0005.25	Prisma Standard
	V2-R0-OP00-03.2.0005.15	Opal
	V2-A0-PS00-00.2.0005.20	Pin-spot
	V2-R0-CI00-00.2.0005.20	Chipped ice
	V2-R0-MP00-02.2.0005.20	Microprisma



- ▶ LED modules 2835 SMD 18×0.5W LED = 9W
- ▶ Power supply 40W/2×30W/60W
- ▶ Dimensions 588×588×50mm
- ▶ High color rendering index CRI (R<sub>a</sub>) >80
- ▶ Operating temperature -20°C to +50°C
- ▶ Input voltage AC176-264V
- ▶ Frequency 50Hz ± 10%
- ▶ LED lifetime 50 000h
- ▶ 3 year warranty
- ▶ Luminaire package dimensions 625×615×60mm
- ▶ Diffuser package dimensions (2 pcs.) 610×610×16mm
- ▶ Low illumination ripple factor IRF ≤ 1%
- ▶ PF ≥ 0,98
- ▶ Safety class I



# LED luminaires GRILIATO 1188×180×50mm

suspended mounting with a frame



## Housing

- ▶ All-metal housing made of sheet with white powder paint application
- ▶ IP20
- ▶ See p.8 for detailed list of all features
- ▶ Decorative frame on the front side of the housing to conceal the ceiling's defects

## Installation

- ▶ Mounted into Griliato type ceilings by wire rope suspensions

## Application

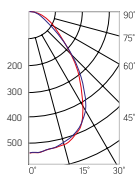
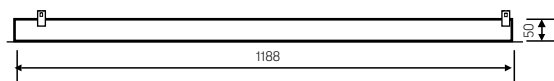
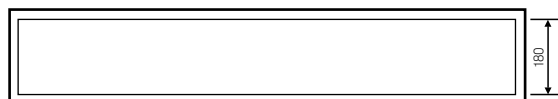
- ▶ Premises with suspended ceilings type Griliato; shopping malls; event and exhibitions centers; public area

	Product code	Wattage	Colour temperature	Luminous flux
Housing	V1-R3-00042-30000-2003640	4×9W=36W	4000K	4200Lm
	V1-R3-00042-30000-2003665	4×9W=36W	6500K	4400Lm
	V1-R3-00042-30000-2005440	6×9W=54W	4000K	6300Lm
	V1-R3-00042-30000-2005465	6×9W=54W	6500K	6600Lm

Diffuser	Product code	Material
	V2-R0-PR00-00.2.0022.25	Prisma Standard
(supplied separately)	V2-R0-OP00-03.2.0022.15	Opal
	V2-R0-PS00-00.2.0022.20	Pin-spot
	V2-R0-CI00-00.2.0022.20	Chipped ice
	V2-R0-MP00-02.2.0022.20	Microprisma

### \*Emergency version: emergency power supply & 3-hour battery:

V1-R3-00042-30A00-2003640	4×9W=36W	4000K	4200Lm
V1-R3-00042-30A00-2003665	4×9W=36W	6500K	4400Lm
V1-R3-00042-30A00-2005440	6×9W=54W	4000K	6300Lm
V1-R3-00042-30A00-2005465	6×9W=54W	6500K	6600Lm

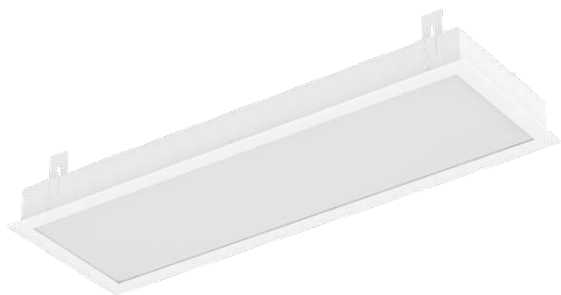


- ▶ LED modules 2835 SMD 18×0.5W LED = 9W
- ▶ Power supply 40W/2×30W/60W
- ▶ Dimensions 1188×180×50mm
- ▶ High color rendering index CRI (R<sub>a</sub>) >80
- ▶ Operating temperature -20°C to +50°C
- ▶ Input voltage AC176-264V
- ▶ Frequency 50Hz ± 10%
- ▶ LED lifetime 50 000h
- ▶ 3 year warranty
- ▶ Luminaire package dimensions 1234×199×62mm
- ▶ Diffuser package dimensions (2 pcs.) 1205×190×18mm
- ▶ Low illumination ripple factor IRF ≤ 1 %
- ▶ PF ≥ 0,98
- ▶ Safety class I



# LED luminaires GRILIATO 588×180×50mm

suspended mounting with a frame



## Housing

- ▶ All-metal housing made of sheet with white powder paint application
- ▶ See p.8 for detailed list of all features
- ▶ IP20
- ▶ Decorative frame on the front side of the housing to conceal the ceiling's defects

## Installation

- ▶ Mounted into Griliato type ceilings by wire rope suspensions

## Application

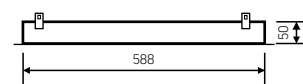
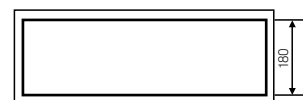
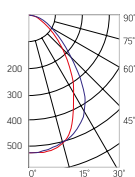
- ▶ Premises with suspended ceilings type Griliato; shopping malls; event and exhibitions centers; public area

	Product code	Wattage	Colour temperature	Luminous flux
Housing	V1-R3-00069-30000-2001840	2×9W=18W	4000K	2100Lm
	V1-R3-00069-30000-2001865	2×9W=18W	6500K	2200Lm

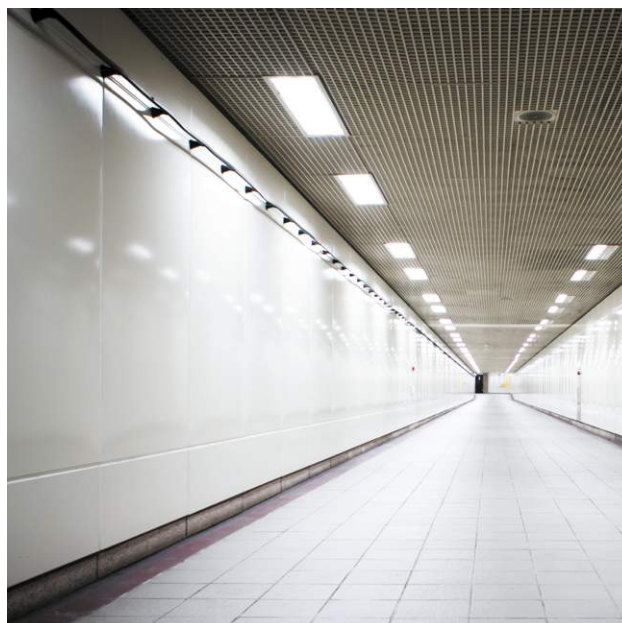
### \*Emergency version: emergency power supply & 3-hour battery:

	V1-R3-00069-30A00-2001840	2×9W=18W	4000K	2100Lm
	V1-R3-00069-30A00-2001865	2×9W=18W	6500K	2200Lm

Diffuser (supplied separately)	Code	Material
	V2-R0-PR00-00.2.0004.25	Prisma Standard
	V2-R0-OP00-03.2.0004.15	Opal
	V2-R0-PS00-00.2.0004.20	Pin-spot
	V2-R0-CI00-00.2.0004.20	Chipped ice
	V2-R0-MP00-02.2.0004.20	Microprisma



- ▶ LED modules 2835 SMD 18×0.5W LED = 9W
- ▶ Power supply 20W
- ▶ Dimensions 588×180×50mm
- ▶ High color rendering index CRI (R<sub>a</sub>) >80
- ▶ Operating temperature -20°C to +50°C
- ▶ Input voltage AC176-264V
- ▶ Frequency 50Hz ± 10%
- ▶ LED lifetime 50 000h
- ▶ 3 year warranty
- ▶ Luminaire package dimensions (2 pcs.) 1234×199×62mm
- ▶ Diffuser package dimensions (2 pcs.) 610×190×16mm
- ▶ Low illumination ripple factor IRF ≤ 1 %
- ▶ PF ≥ 0,98
- ▶ Safety class I



# BULKHEAD LIGHTING



# LED luminaires LUX 1235×160×65mm



## Housing

- ▶ All-metal housing made of sheet with white powder paint application
- ▶ IP20

## Installation

- ▶ Can be installed on horizontal and vertical surfaces
- ▶ Individual luminaires can be easily connected end to end for a continuous «light line»

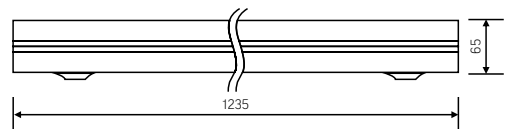
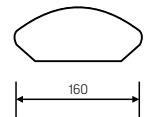
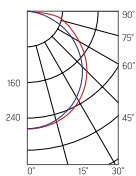
## Diffuser

- ▶ Opal polycarbonate diffuser

	Product code	Wattage	Colour temperature	Luminous flux
Housing	V1-U0-00044-20000-2003627	4×9W=36W	2700K	4000Lm
	V1-U0-00044-20000-2003640	4×9W=36W	4000K	4200Lm
	V1-U0-00044-20000-2003665	4×9W=36W	6500K	4400Lm

### \*Emergency version: emergency power supply & 3-hour battery:

V1-U0-00044-20A00-2003665	4×9W=36W	6500K	4400Lm
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- ▶ LED modules 2835 SMD 18×0.5W LED = 9W
- ▶ Power supply 40W
- ▶ Dimensions 1235×160×65mm
- ▶ High color rendering index CRI (R<sub>a</sub>) >80
- ▶ Operating temperature -20°C to +50°C
- ▶ Input voltage AC176-264V
- ▶ Frequency 50Hz ± 10%
- ▶ LED lifetime 50 000h
- ▶ 3 year warranty
- ▶ Luminaire package dimensions (2 pcs.) 1250×170×75mm
- ▶ Low illumination ripple factor IRF ≤ 1 %
- ▶ PF ≥ 0,98
- ▶ Safety class I





# LED luminaires LUX 625×160×65mm



## Housing

- ▶ All-metal housing made of sheet with white powder paint application
- ▶ IP20

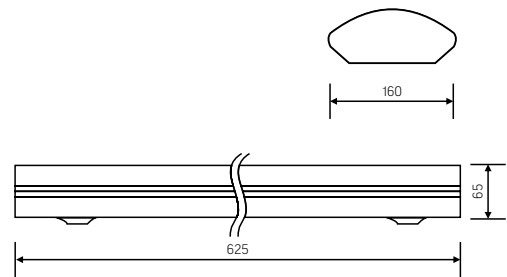
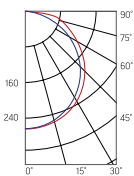
## Installation

- ▶ Can be installed on horizontal and vertical surfaces
- ▶ Individual luminaires can be easily connected end to end for a continuous «light line»

## Diffuser

- ▶ Opal polycarbonate diffuser

	Product code	Wattage	Colour temperature	Luminous flux
Housing	V1-U0-00030-20000-2001827	2×9W=18W	2700K	2000Lm
	V1-U0-00030-20000-2001840	2×9W=18W	4000K	2100Lm
	V1-U0-00030-20000-2001865	2×9W=18W	6500K	2200Lm



- ▶ LED modules 2835 SMD 18×0.5W LED = 9W
- ▶ Power supply 20W
- ▶ Dimensions 625×160×65mm
- ▶ High color rendering index CRI (R<sub>a</sub>) >80
- ▶ Operating temperature -20°C to +50°C
- ▶ Input voltage AC176-264V
- ▶ Frequency 50Hz ± 10%
- ▶ LED lifetime 50 000h
- ▶ 3 year warranty
- ▶ Luminaire package dimensions (2 pcs.) 1250×170×75mm
- ▶ Low illumination ripple factor IRF ≤ 1 %
- ▶ PF ≥ 0,98
- ▶ Safety class I



# LED luminaires BULKHEAD IP65



## Housing

- ▶ Self-extinguishing ABS-plastic
- ▶ IP65 and impact-resistant
- ▶ Wear-resistant cable entry included
- ▶ Sealant between diffuser and housing for safety purpose

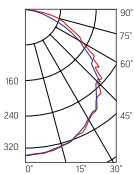
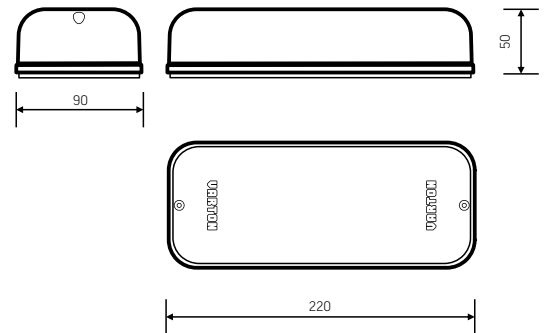
## Installation

- ▶ Antivandal surface mounting luminaires for horizontal and vertical surfaces
- ▶ Easy wall-mounting through sidewall openings in the housing

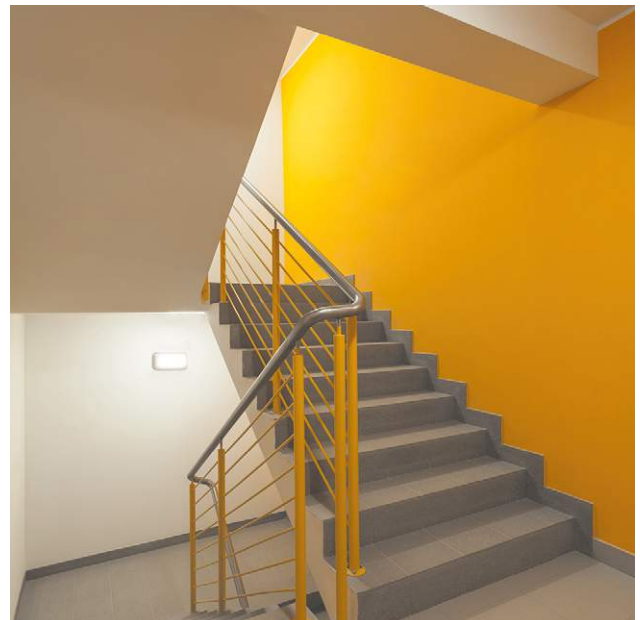
## Diffuser

- ▶ Frost impact-resistant self-extinguishing UV-stabilized polycarbonate

	Product code	Wattage	Colour temperature	Luminous flux
Housing	V1-U0-00006-21000-6500845	8W	4500K	700Lm
	V1-U0-00006-21000-6501245	12W	4500K	1200Lm



- ▶ Dimensions 220×90×50mm
- ▶ High color rendering index CRI (R<sub>a</sub>) >80
- ▶ Operating temperature -20°C to +50°C
- ▶ Input voltage AC176-264V
- ▶ Frequency 50Hz ± 10%
- ▶ LED lifetime 50 000h
- ▶ 3 year warranty
- ▶ Luminaire package dimensions 230×93×50mm
- ▶ Low illumination ripple factor IRF ≤ 1 %
- ▶ PF ≥ 0,98
- ▶ Safety class II



# LED luminaires BULKHEAD IP65

with a microwave motion sensor and a «day and night» function



## Housing

- ▶ Self-extinguishing ABS-plastic
- ▶ IP65 and impact-resistant
- ▶ Wear-resistant cable entry included
- ▶ Sealant between diffuser and housing for safety purpose

## Installation

- ▶ Antivandal surface mounting luminaires for horizontal and vertical surfaces
- ▶ Easy wall-mounting through sidewall openings in the housing

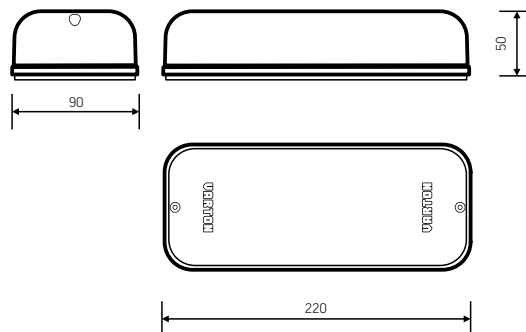
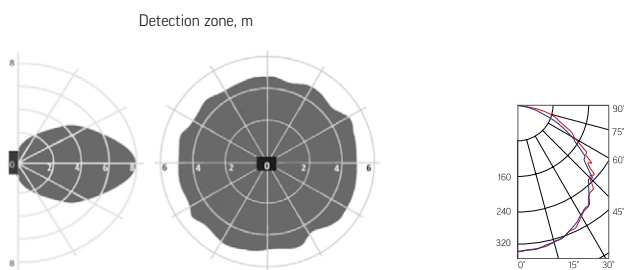
## Diffuser

- ▶ Frost impact-resistant self-extinguishing UV-stabilized polycarbonate

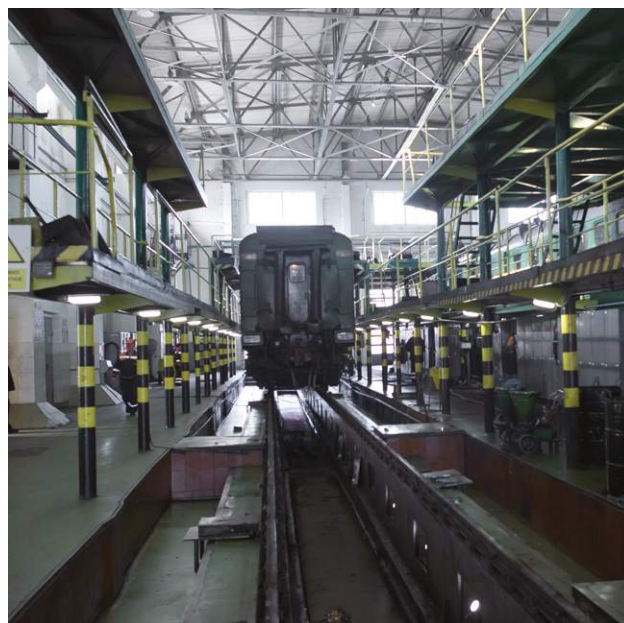
	Product code	Wattage	Colour temperature	Luminous flux
Housing	V1-U0-00006-21S00-6500845	8W	4500K	700Lm
	V1-U0-00006-21S00-6501245	12W	4500K	1200Lm

### Microwave motion sensor operating mode:

- ▶ With light intensity more than 25Lx the luminaire doesn't turn on during people's movement
- ▶ With light intensity less than 25Lx the sensor reacts to movement and in 30 seconds it turns off
- ▶ With light intensity less than 25 Lx and during constant people's movement it operates non-stop



- ▶ Dimensions 220×90×50mm
- ▶ High color rendering index CRI (R<sub>a</sub>) >80
- ▶ Operating temperature -20°C to +50°C
- ▶ Input voltage AC176-264V
- ▶ Frequency 50Hz ± 10%
- ▶ LED lifetime 50 000h
- ▶ 3 year warranty
- ▶ Luminaire package dimensions 230×93×50mm
- ▶ Low illumination ripple factor IRF ≤ 1 %
- ▶ PF ≥ 0,98
- ▶ Safety class II



# LED luminaires BULKHEAD IP65

low-voltage version



## Housing

- ▶ Self-extinguishing ABS-plastic
- ▶ IP65 and impact-resistant
- ▶ Wear-resistant cable entry included
- ▶ Sealant between diffuser and housing for safety purpose

## Installation

- ▶ Antivandal surface mounting luminaires for horizontal and vertical surfaces

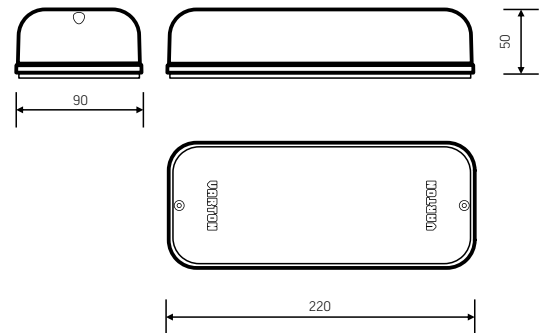
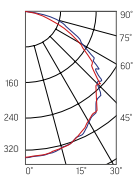
## Diffuser

- ▶ Antivandal surface mounting luminaires for horizontal and vertical surfaces
- ▶ Easy wall-mounting through sidewall openings in the housing

## Application

- ▶ Premises with high requirements for electrical safety
- ▶ Connects to AC/DC 24-36V

	Product code	Wattage	Colour temperature	Luminous flux
Housing	V1-U0-00006-21N00-6500845	8W	4500K	700Lm
	V1-U0-00006-21N00-6501245	12W	4500K	1200Lm



- ▶ Dimensions 220×90×50mm
- ▶ High color rendering index CRI (R<sub>a</sub>) >80
- ▶ Operating temperature -20°C to +50°C
- ▶ Input voltage AC / DC24-36V
- ▶ Frequency 50Hz ± 10%
- ▶ LED lifetime 50 000h
- ▶ 3 year warranty
- ▶ Luminaire package dimensions 230×93×50mm
- ▶ Low illumination ripple factor IRF ≤ 1 %
- ▶ PF ≥ 0,98
- ▶ Safety class III



# LED luminaires BULKHEAD IP65 185×70mm



## Housing

- ▶ Self-extinguishing ABS-plastic
- ▶ IP65 and impact-resistant
- ▶ Wear-resistant cable entry included
- ▶ Sealant between diffuser and housing for safety purpose

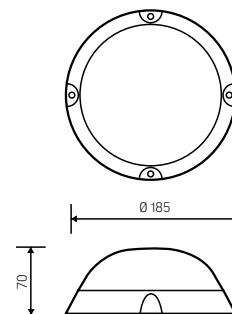
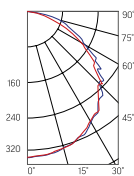
## Installation

- ▶ Antivandal surface mounting luminaires for horizontal and vertical surfaces
- ▶ Easy wall-mounting through sidewall openings in the housing

## Diffuser

- ▶ Frost impact-resistant self-extinguishing UV-stabilized polycarbonate

	Product code	Wattage	Colour temperature	Luminous flux
Housing	V1-U0-00005-21000-6500640	6W	4000K	600Lm
	V1-U0-00005-21000-6501040	10W	4000K	1000Lm



- ▶ Dimensions 185×70mm
- ▶ High color rendering index CRI (R<sub>a</sub>) >80
- ▶ Operating temperature -20°C to +50°C
- ▶ Input voltage AC176-264V
- ▶ Frequency 50Hz ± 10%
- ▶ LED lifetime 50 000h
- ▶ 3 year warranty
- ▶ Luminaire package dimensions 190×190×85mm
- ▶ Low illumination ripple factor IRF ≤ 1 %
- ▶ PF ≥ 0,98
- ▶ Safety class II





# LED luminaires BULKHEAD IP65 185×70mm

low-voltage version



## Housing

- ▶ Self-extinguishing ABS-plastic
- ▶ IP65 and impact-resistant
- ▶ Wear-resistant cable entry included
- ▶ Sealant between diffuser and housing for safety purpose

## Installation

- ▶ Antivandal surface mounting luminaires for horizontal and vertical surfaces
- ▶ Easy wall-mounting through sidewall openings in the housing

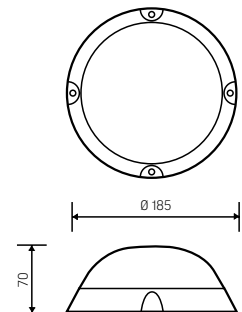
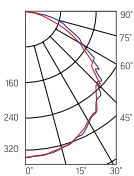
## Diffuser

- ▶ Frost impact-resistant self-extinguishing UV-stabilized polycarbonate

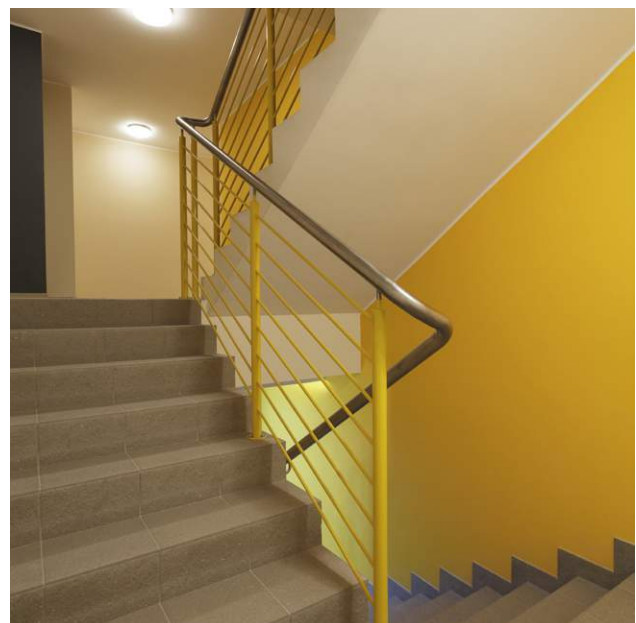
## Application

- ▶ Premises with high safety requirements
- ▶ Connected to AC or DC 24-36V

	Product code	Wattage	Colour temperature	Luminous flux
Housing	V1-U0-00005-21N00-6500640	6W	4000K	600Lm
	V1-U0-00005-21N00-6501040	10W	4000K	1000Lm



- ▶ Dimensions 185×70mm
- ▶ High color rendering index CRI (R<sub>a</sub>) >80
- ▶ Operating temperature -20°C to +50°C
- ▶ Input voltage AC/DC 24-36V
- ▶ Frequency 50Hz ± 10%
- ▶ LED lifetime 50 000h
- ▶ 3 year warranty
- ▶ Luminaire package dimensions 190×190×85mm
- ▶ Low illumination ripple factor IRF ≤ 1 %
- ▶ PF ≥ 0,98
- ▶ Safety class III



# LED luminaires BULKHEAD IP65 185×70mm

with a microwave motion sensor and a «day and night» function



## Housing

- ▶ Self-extinguishing ABS-plastic
- ▶ IP65 and impact-resistant
- ▶ Wear-resistant cable entry included
- ▶ Sealant between diffuser and housing for safety purpose

## Installation

- ▶ Antivandal surface mounting luminaires for horizontal and vertical surfaces
- ▶ Easy wall-mounting through sidewall openings in the housing

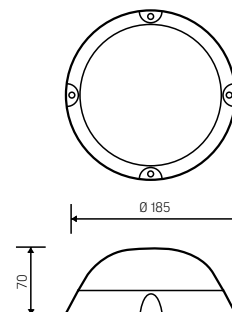
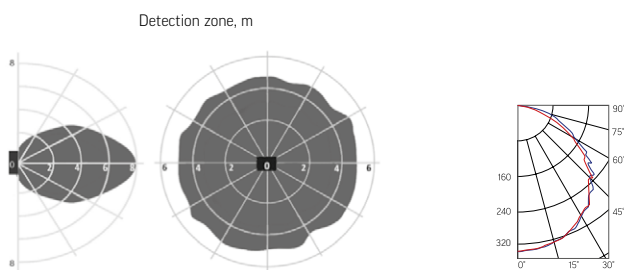
## Diffuser

- ▶ Frost impact-resistant self-extinguishing UV-stabilized polycarbonate

	Product code	Wattage	Colour temperature	Luminous flux
Housing	V1-U0-00005-21S00-6500640	6W	4000K	600Lm
	V1-U0-00005-21S00-6501040	10W	4000K	1000Lm

### Microwave motion sensor operating mode:

- ▶ With light intensity more than 25Lx the luminaire doesn't turn on during people's movement
- ▶ With light intensity less than 25Lx the sensor reacts to movement and in 30 seconds it turns off
- ▶ With light intensity less than 25 Lx and during constant people's movement it operates non-stop



- ▶ Dimensions 185×70mm
- ▶ High color rendering index CRI (R<sub>a</sub>) >80
- ▶ Operating temperature -20°C to +50°C
- ▶ Input voltage AC176-264V
- ▶ Frequency 50Hz ± 10%
- ▶ LED lifetime 50 000h
- ▶ 3 year warranty
- ▶ Luminaire package dimensions 190×190×85mm
- ▶ Low illumination ripple factor IRF ≤ 1 %
- ▶ PF ≥ 0,98
- ▶ Safety class II





# INDUSTRIAL LIGHTING





# LED luminaires STRONG IP65 1242×90×68mm



## Housing

- ▶ Self-extinguishing ABS-plastic
- ▶ IP65 and impact-resistant
- ▶ Wear-resistant cable entry included

## Installation

- ▶ Suspended mounting
- ▶ Mounted on horizontal or vertical surface

## Diffuser

- ▶ UV-stabilized polycarbonate
- ▶ Mounted to the luminaire's housing by means of clips

	Product code	Wattage	Colour temperature	Luminous flux
Housing	V1-I0-70210-03000-6501840	2×9W=18W	4000K	2100Lm
	V1-I0-70210-03000-6501865	2×9W=18W	6500K	2200Lm
	V1-I0-70210-03000-6503640	4×9W=36W	4000K	4200Lm
	V1-I0-70210-03000-6503665	4×9W=36W	6500K	4400Lm
	V1-I0-70210-03000-6505440	6×9W=54W	4000K	6300Lm
	V1-I0-70210-03000-6505465	6×9W=54W	6500K	6600Lm

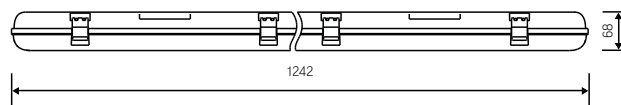
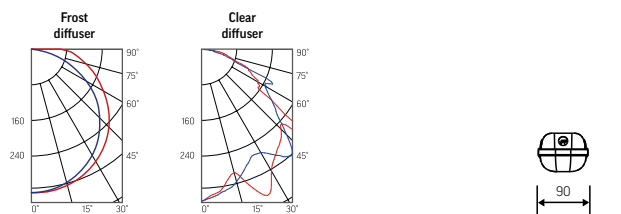
Diffuser	Product code	Material
(supplied separately)	V2-I0-IPPO-02.3.0210.18	Clear
	V2-I0-IPMO-02.3.0210.18	Frost

### \*Emergency version: emergency power supply & 3-hour battery:

V1-I0-70210-03A00-6501840	2×9W=18W	4000K	2100Lm
V1-I0-70210-03A00-6501865	2×9W=18W	6500K	2200Lm
V1-I0-70210-03A00-6503640	4×9W=36W	4000K	4200Lm
V1-I0-70210-03A00-6503665	4×9W=36W	6500K	4400Lm
V1-I0-70210-03A00-6505440	6×9W=54W	4000K	6300Lm
V1-I0-70210-03A00-6505465	6×9W=54W	6500K	6600Lm

### Dimmable version: protocol 1-10V; DALI

Housing	V1-I0-70210-03D00-6503640	4×9W=36W	4000K	4200Lm
	V1-I0-70210-03D00-6503665	4×9W=36W	6500K	4400Lm



- ▶ LED modules 2835 SMD 18×0.5W LED = 9W
- ▶ Power supply 20W/40W/2×30W/60W
- ▶ Dimensions 1242×90×68mm
- ▶ High color rendering index CRI (R<sub>a</sub>) >80
- ▶ Operating temperature -20°C to +50°C
- ▶ Input voltage AC176-264V
- ▶ Frequency 50Hz ± 10%
- ▶ LED lifetime 50 000h
- ▶ 3 year warranty
- ▶ Luminaire package dimensions 1278×98×56mm
- ▶ Diffuser package dimensions (3 pcs.) 1281×98×81mm
- ▶ Low illumination ripple factor IRF ≤ 1%
- ▶ PF ≥ 0,98
- ▶ Safety class II



# LED luminaires STRONG IP65 1242×90×68mm

low-voltage version



## Housing

- ▶ Self-extinguishing ABS-plastic
- ▶ IP65 and impact-resistant
- ▶ Wear-resistant cable entry included

## Installation

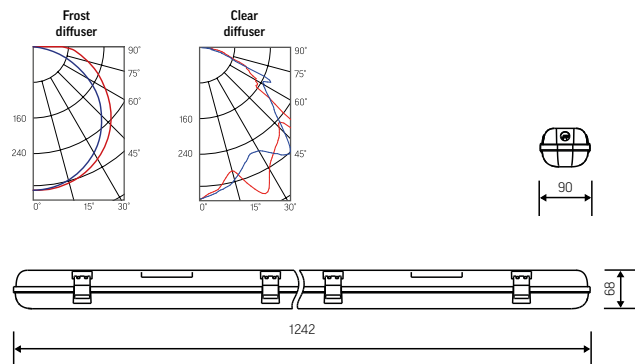
- ▶ Suspended mounting
- ▶ Mounted on horizontal or vertical surface

## Diffuser

- ▶ UV-stabilized polycarbonate
- ▶ Mounted to the luminaire's housing by means of clips

	Product code	Wattage	Colour temperature	Luminous flux
Housing	V1-I0-70210-03N00-6501840	2×9W=18W	4000K	2100Lm
	V1-I0-70210-03N00-6501865	2×9W=18W	6500K	2200Lm
	V1-I0-70210-03N00-6503640	4×9W=36W	4000K	4200Lm
	V1-I0-70210-03N00-6503665	4×9W=36W	6500K	4400Lm

Diffuser	Product code	Material
(supplied separately)	V2-I0-IPPO-02.3.0210.18	Clear
	V2-I0-IPM0-02.3.0210.18	Frost



- ▶ LED modules 2835 SMD 18×0.5W LED = 9W
- ▶ Power supply 20W/40W/2×30W/60W
- ▶ Dimensions 1242×90×68mm
- ▶ High color rendering index CRI (R<sub>a</sub>) >80
- ▶ Operating temperature -20°C to +50°C
- ▶ Input voltage AC/DC 36V
- ▶ Frequency 50Hz ± 10%
- ▶ LED lifetime 50 000h
- ▶ 3 year warranty
- ▶ Luminaire package dimensions 1278×98×56mm
- ▶ Diffuser package dimensions (3 pcs.) 1281×98×81mm
- ▶ Low illumination ripple factor IRF ≤ 1%
- ▶ PF ≥ 0,98
- ▶ Safety class III





# LED luminaires STRONG IP65 1242×90×68mm

with a microwave motion sensor and a «day and night» function



## Housing

- ▶ Self-extinguishing ABS-plastic
- ▶ IP65 and impact-resistant
- ▶ Wear-resistant cable entry included

## Installation

- ▶ Suspended mounting
- ▶ Mounted on horizontal or vertical surface

## Diffuser

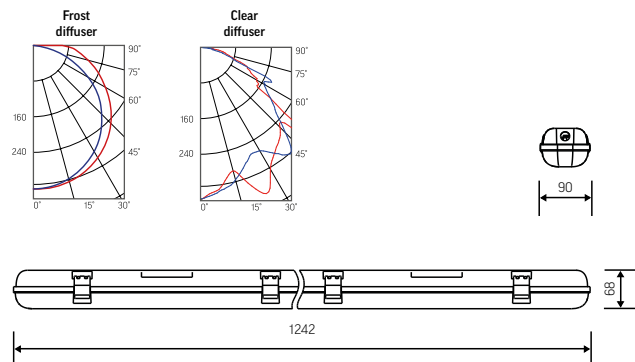
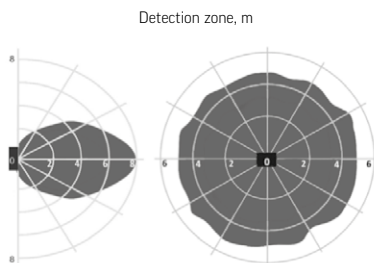
- ▶ UV-stabilized polycarbonate
- ▶ Mounted to the luminaire's housing by means of clips

	Product code	Wattage	Colour temperature	Luminous flux
Housing	V1-I0-70210-03S00-6503640	4×9W=36W	4000K	4200Lm
	V1-I0-70210-03S00-6503665	4×9W=36W	6500K	4400Lm

	Diffuser	
(supplied separately)	V2-I0-IPPO-02.3.0210.18	Clear
	V2-I0-IPM0-02.3.0210.18	Frost

### Microwave motion sensor operating mode:

- ▶ With light intensity more than 25Lx the luminaire doesn't turn on during people's movement
- ▶ With light intensity less than 25Lx the sensor reacts to movement and in 30 seconds it turns off
- ▶ With light intensity less than 25 Lx and during constant people's movement it operates non-stop



- ▶ LED modules 2835 SMD 18×0.5W LED = 9W
- ▶ Power supply 40W
- ▶ Dimensions 1242×90×68mm
- ▶ High color rendering index CRI (R<sub>a</sub>) >80
- ▶ Operating temperature -20°C to +50°C
- ▶ Input voltage AC176-264V
- ▶ Frequency 50Hz ± 10%
- ▶ LED lifetime 50 000h
- ▶ 3 year warranty
- ▶ Luminaire package dimensions 1278×98×56mm
- ▶ Diffuser package dimensions (3 pcs.) 1281×98×81mm
- ▶ Low illumination ripple factor IRF ≤ 1 %
- ▶ PF ≥ 0,98
- ▶ Safety class II



# LED luminaires STRONG IP65 674×90×68mm



## Housing

- ▶ Self-extinguishing ABS-plastic
- ▶ IP65 and impact-resistant
- ▶ Wear-resistant cable entry included

## Installation

- ▶ Suspended mounting
- ▶ Mounted on horizontal or vertical surface

## Diffuser

- ▶ UV-stabilized polycarbonate
- ▶ Mounted to the housing on clips

	Product code	Wattage	Colour temperature	Luminous flux
Housing	V1-I0-70215-03000-6501840	2×9W=18W	4000K	2100Lm
	V1-I0-70215-03000-6501865	2×9W=18W	6500K	2200Lm
	V1-I0-70215-03000-6502740	3×9W=27W	4000K	3150Lm
	V1-I0-70215-03000-6502765	3×9W=27W	6500K	3300Lm

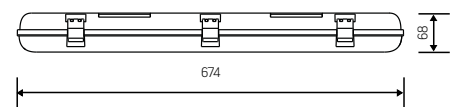
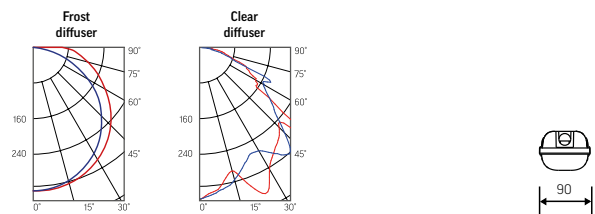
Diffuser	V2-I0-IPPO-02.3.0215.18	Clear
(supplied separately)	V2-I0-IPM0-02.3.0215.18	Frost

### \*Emergency version: emergency power supply & 3-hour battery:

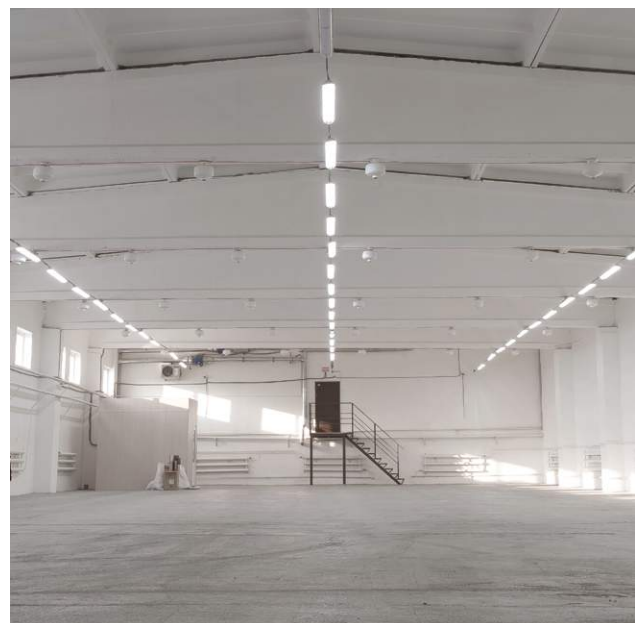
V1-I0-70215-03A00-6501840	2×9W=18W	4000K	2100Lm
V1-I0-70215-03A00-6501865	2×9W=18W	6500K	2200Lm

### Dimmable version: protocol 1-10V; DALI

Housing	V1-I0-70215-03D00-6501840	2×9W=18W	4000K	2100Lm
	V1-I0-70215-03D00-6501865	2×9W=18W	6500K	2200Lm



- ▶ LED modules 2835 SMD 18×0.5W LED = 9W
- ▶ Power supply 20W/30W
- ▶ Dimensions 674×90×68mm
- ▶ High color rendering index CRI (R<sub>a</sub>) >80
- ▶ Operating temperature -20°C to +50°C
- ▶ Input voltage AC176-264V
- ▶ Frequency 50Hz ± 10%
- ▶ LED lifetime 50 000h
- ▶ 3 year warranty
- ▶ Luminaire package dimensions 710×98×49mm
- ▶ Diffuser package dimensions (3 pcs.) 710×98×81mm
- ▶ Low illumination ripple factor IRF ≤ 1%
- ▶ PF ≥ 0,98
- ▶ Safety class II



# LED luminaires STRONG IP65 674×90×68mm

low-voltage version



## Housing

- ▶ Self-extinguishing ABS-plastic
- ▶ IP65 and impact-resistant
- ▶ Wear-resistant cable entry included

## Installation

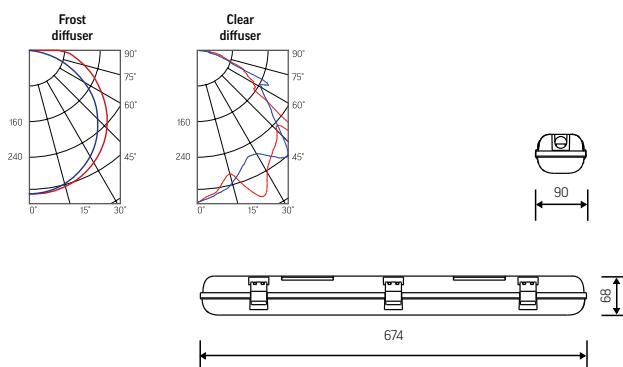
- ▶ Suspended mounting
- ▶ Mounted on horizontal or vertical surface

## Diffuser

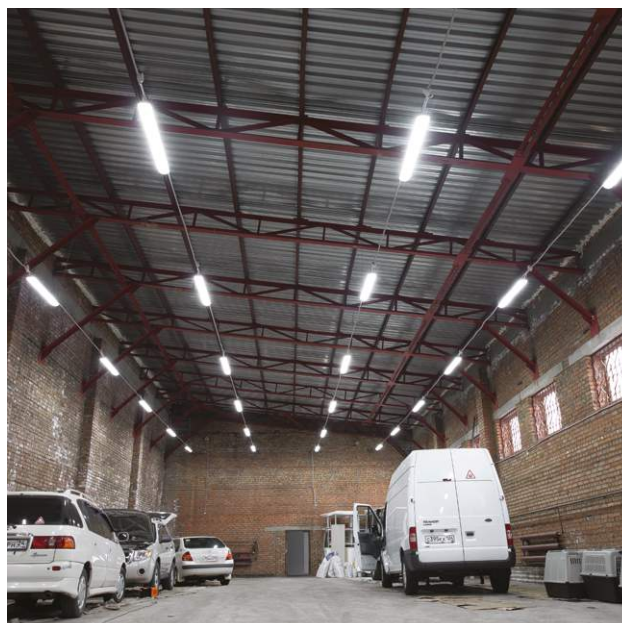
- ▶ UV-stabilized polycarbonate
- ▶ Mounted to the housing on clips

	Product code	Wattage	Colour temperature	Luminous flux
Housing	V1-I0-70215-03N00-6501840	2×9W=18W	4000K	2100Lm
	V1-I0-70215-03N00-6501865	2×9W=18W	6500K	2200Lm

Diffuser	Product code	Material
(supplied separately)	V2-I0-IPPO-02.3.0215.18	Clear
	V2-I0-IPM0-02.3.0215.18	Frost



- ▶ LED modules 2835 SMD 18×0.5W LED = 9W
- ▶ Power supply 20W AC/DC 36V
- ▶ Dimensions 674×90×68mm
- ▶ High color rendering index CRI (R<sub>a</sub>) >80
- ▶ Operating temperature -20°C to +50°C
- ▶ Input voltage AC/DC 36V
- ▶ Frequency 50Hz ± 10%
- ▶ LED lifetime 50 000h
- ▶ 3 year warranty
- ▶ Luminaire package dimensions 710×98×49mm
- ▶ Diffuser package dimensions (3 pcs.) 710×98×81mm
- ▶ Low illumination ripple factor IRF ≤ 1 %
- ▶ PF ≥ 0,98
- ▶ Safety class III



# LED luminaires IRON IP67 600×105×61mm

for corrosive environments



## Housing

- ▶ IP67
- ▶ Aluminium anodized housing
- ▶ Impact-resistant polycarbonate diffuser Microprisma
- ▶ Silicone pads for secure sealing

## Installation

- ▶ Surface and suspended mounting
- ▶ Quick and easy installation
- ▶ For mounting options see p.81

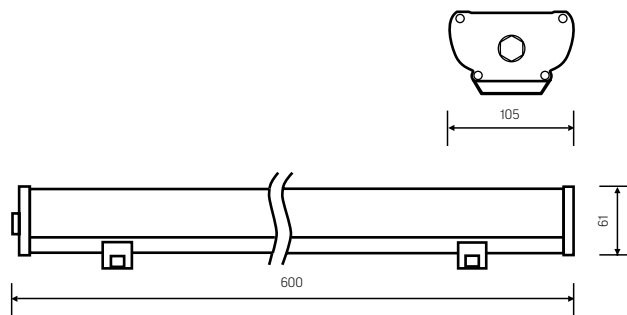
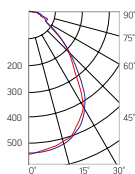
## Application

- ▶ Outdoor lighting; corrosive environments

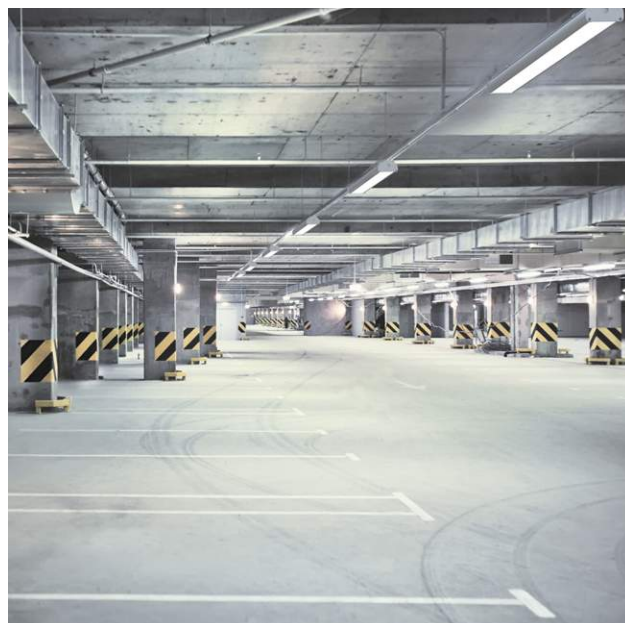
	Product code	Wattage	Colour temperature	Luminous flux
Housing	V1-I0-70820-03000-6701827	2×9W=18W	2700K	2000Lm
	V1-I0-70820-03000-6701840	2×9W=18W	4000K	2100Lm
	V1-I0-70820-03000-6701865	2×9W=18W	6500K	2200Lm
	V1-I0-70820-03000-6702727	3×9W=27W	2700K	3000Lm
	V1-I0-70820-03000-6702740	3×9W=27W	4000K	3150Lm
	V1-I0-70820-03000-6702765	3×9W=27W	6500K	3300Lm

### Dimmable version: protocol 1-10V; DALI

Housing	V1-I0-70820-03D00-6701840	2×9W=18W	4000K	2100Lm
	V1-I0-70820-03D00-6701865	2×9W=18W	6500K	2200Lm



- ▶ LED modules Varton 2835 SMD 18×0.5W LED = 9W
- ▶ Varton power supply 20W/30W
- ▶ Dimensions 600×105×61mm
- ▶ High color rendering index CRI (R<sub>a</sub>) >80
- ▶ Operating temperature -40°C to +50°C
- ▶ Input voltage AC176-264V
- ▶ Frequency 50Hz ± 10%
- ▶ LED lifetime 50 000h
- ▶ 3 year warranty
- ▶ Luminaire package dimensions (2 pcs.) 1234×115×69mm
- ▶ Low illumination ripple factor IRF ≤ 1 %
- ▶ PF ≥ 0,98
- ▶ Safety class I



# LED luminaires IRON IP67 1215×105×61mm

for corrosive environments



## Housing

- ▶ IP67
- ▶ Aluminium anodized housing
- ▶ Impact-resistant polycarbonate diffuser Microprisma
- ▶ Silicone pads for secure sealing

## Installation

- ▶ Surface and suspended mounting
- ▶ Quick and easy installation
- ▶ For mounting options see p.81

## Application

- ▶ Outdoor lighting; corrosive environments

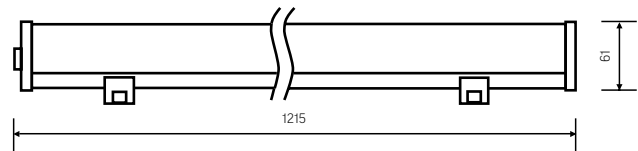
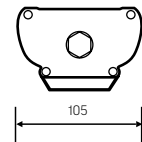
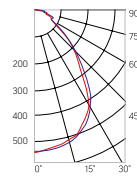
	Product code	Wattage	Colour temperature	Luminous flux
Housing	V1-I0-70800-03000-6701827	2×9W=18W	2700K	2000Lm
	V1-I0-70800-03000-6701840	2×9W=18W	4000K	2100Lm
	V1-I0-70800-03000-6701865	2×9W=18W	6500K	2200Lm
	V1-I0-70800-03000-6703627	4×9W=36W	2700K	4000Lm
	V1-I0-70800-03000-6703640	4×9W=36W	4000K	4200Lm
	V1-I0-70800-03000-6703665	4×9W=36W	6500K	4400Lm
	V1-I0-70800-03G02-6703665	4×9W=36W	6500K	4400Lm
	V1-I0-70800-03000-6705427	6×9W=54W	2700K	6000Lm
	V1-I0-70800-03000-6705440	6×9W=54W	4000K	6300Lm
V1-I0-70800-03000-6705465	6×9W=54W	6500K	6600Lm	

### \*Emergency version: emergency power supply & 3-hour battery:

V1-I0-70800-03A00-6701840	2×9W=18W	4000K	2100Lm
V1-I0-70800-03A00-6701865	2×9W=18W	6500K	2200Lm
V1-I0-70800-03A00-6703640	4×9W=36W	4000K	4200Lm
V1-I0-70800-03A00-6703665	4×9W=36W	6500K	4400Lm
V1-I0-70800-03A00-6705440	6×9W=54W	4000K	6300Lm
V1-I0-70800-03A00-6705465	6×9W=54W	6500K	6600Lm

### Dimmable version: protocol 1-10V; DALI

Housing	V1-I0-70800-03D00-6701840	2×9W=18W	4000K	2100Lm
	V1-I0-70800-03D00-6701865	2×9W=18W	6500K	2200Lm
	V1-I0-70800-03D00-6703640	4×9W=36W	4000K	4200Lm
	V1-I0-70800-03D00-6703665	4×9W=36W	6500K	4400Lm



- ▶ LED modules 2835 SMD 18×0.5W LED = 9W
- ▶ Power supply 20W/40W/ 2×30W/60W
- ▶ Dimensions 1215×105×61mm
- ▶ High color rendering index CRI (R<sub>a</sub>) >80
- ▶ Operating temperature -40°C to +50°C
- ▶ Input voltage AC176-264V
- ▶ Frequency 50Hz ± 10%
- ▶ LED lifetime 50 000h
- ▶ 3 year warranty
- ▶ Luminaire package dimensions 1234×115×69mm
- ▶ Low illumination ripple factor IRF ≤ 1 %
- ▶ PF ≥ 0,98
- ▶ Safety class I





# LED luminaires IRON IP67 600×105×61 mm

low-voltage version



## Housing

- ▶ IP67
- ▶ Aluminium anodized housing
- ▶ Impact-resistant polycarbonate diffuser Microprisma
- ▶ Silicone pads for secure sealing

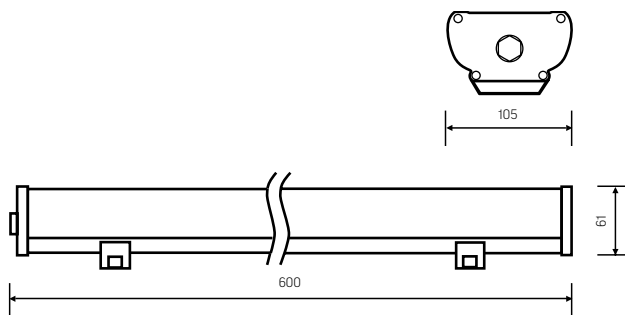
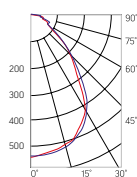
## Installation

- ▶ Surface and suspended mounting
- ▶ Quick and easy installation
- ▶ For mounting options see p.81

## Application

- ▶ Outdoor lighting; corrosive environments
- ▶ Premises with high requirements for electrical safety
- ▶ Connects to AC/DC 36V

	Product code	Wattage	Colour temperature	Luminous flux
Housing	V1-I0-70820-03N00-6701840	2×9W=18W	4000K	2100Lm
	V1-I0-70820-03N00-6701865	2×9W=18W	6500K	2200Lm



- ▶ LED modules 2835 SMD 18×0.5W LED = 9W
- ▶ Power supply 20W AC/DC 36V
- ▶ Dimensions 600×105×61mm
- ▶ High color rendering index CRI (R<sub>a</sub>) >80
- ▶ Operating temperature -40°C to +50°C
- ▶ Input voltage AC/DC 36V
- ▶ LED lifetime 50 000h
- ▶ 3 year warranty
- ▶ Luminaire package dimensions (2 pcs.) 1234×115×69mm
- ▶ Low illumination ripple factor IRF ≤ 1 %
- ▶ PF ≥ 0,98
- ▶ Safety class II



# LED luminaires IRON IP67 1215×105×61 mm

low-voltage version



## Housing

- ▶ IP67
- ▶ Aluminium anodized housing
- ▶ Impact-resistant polycarbonate diffuser Microprisma
- ▶ Silicone pads for secure sealing

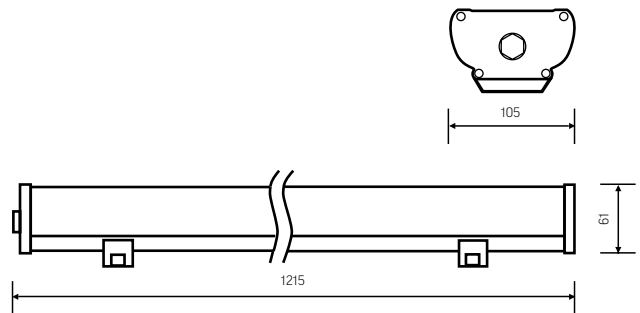
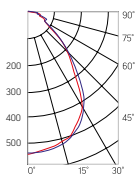
## Installation

- ▶ Surface and suspended mounting
- ▶ Quick and easy installation
- ▶ For mounting options see p.81

## Application

- ▶ Outdoor lighting; corrosive environments
- ▶ Premises with high requirements for electrical safety
- ▶ Connects to AC/DC 36V

	Product code	Wattage	Colour temperature	Luminous flux
Housing	V1-I0-70800-03N00-6701840	2×9W=18W	4000K	2100Lm
	V1-I0-70800-03N00-6701865	2×9W=18W	6500K	2200Lm
	V1-I0-70800-03N00-6703640	4×9W=36W	4000K	4200Lm
	V1-I0-70800-03N00-6703665	4×9W=36W	6500K	4400Lm



- ▶ LED modules 2835 SMD 18×0.5W LED = 9W
- ▶ Power supply 20W/40W AC/DC 36V
- ▶ Dimensions 1215×105×61mm
- ▶ High color rendering index CRI (R<sub>a</sub>) >80
- ▶ Operating temperature -40°C to +50°C
- ▶ Input voltage AC/DC 36V
- ▶ LED lifetime 50 000h
- ▶ 3 year warranty
- ▶ Luminaire package dimensions 1234×115×69mm
- ▶ Low illumination ripple factor IRF ≤ 1 %
- ▶ PF ≥ 0,98
- ▶ Safety class II



# LED luminaires IRON-AGRO IP67 600×105×61 mm

for corrosive environments



## Housing

- ▶ IP67
- ▶ Aluminium anodized housing
- ▶ Clear UV-stabilized PMMA (acrylic) diffuser resistant to agricultural environments
- ▶ Silicone pads for secure sealing

## Installation

- ▶ Surface and suspended mounting
- ▶ Quick and easy installation
- ▶ For mounting options see p.81

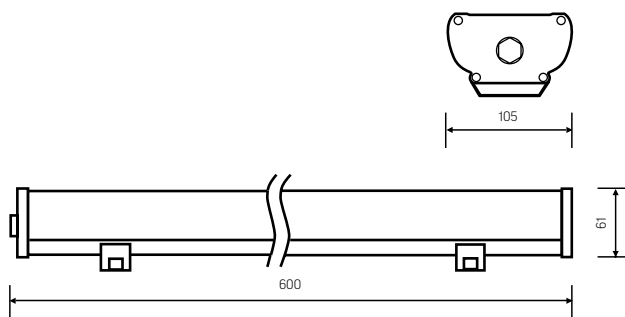
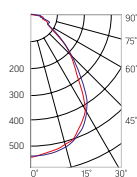
## Application

- ▶ Poultry farms and livestock, industrial premises, premises with high requirements for electrical safety
- ▶ Outdoor lighting; corrosive environments

	Product code	Wattage	Colour temperature	Luminous flux
Housing	V1-IA-70820-03000-6701827	2×9W=18W	2700K	2000Lm
	V1-IA-70820-03000-6701840	2×9W=18W	4000K	2100Lm
	V1-IA-70820-03000-6701865	2×9W=18W	6500K	2200Lm
	V1-IA-70820-03000-6702727	3×9W=27W	2700K	3000Lm
	V1-IA-70820-03000-6702740	3×9W=27W	4000K	3150Lm
	V1-IA-70820-03000-6702765	3×9W=27W	6500K	3300Lm

### Dimmable version: protocol 1-10V; DALI

	Product code	Wattage	Colour temperature	Luminous flux
Housing	V1-IA-70820-03D00-6701840	2×9W=18W	4000K	2100Lm
	V1-IA-70820-03D00-6701865	2×9W=18W	6500K	2200Lm



- ▶ LED modules 2835 SMD 18×0.5W LED = 9W
- ▶ Power supply 20W/30W
- ▶ Dimensions 600×105×61mm
- ▶ High color rendering index CRI (R<sub>a</sub>) >80
- ▶ Operating temperature -40°C to +50°C
- ▶ Input voltage AC176-264V
- ▶ Frequency 50Hz ± 10%
- ▶ LED lifetime 50 000h
- ▶ 3 year warranty
- ▶ Luminaire package dimensions (2 pcs.) 1234×115×69mm
- ▶ Low illumination ripple factor IRF ≤ 1 %
- ▶ PF ≥ 0,98
- ▶ Safety class I



# LED luminaires IRON-AGRO IP67 1215×105×61 mm

for corrosive environments



## Housing

- ▶ IP67
- ▶ Aluminium anodized housing
- ▶ Clear UV-stabilized PMMA (acrylic) diffuser resistant to agricultural environments
- ▶ Silicone pads for secure sealing

## Installation

- ▶ Surface and suspended mounting
- ▶ Quick and easy installation
- ▶ For mounting options see p.81

## Application

- ▶ Poultry farms and livestock, industrial premises, premises with high requirements for electrical safety
- ▶ Outdoor lighting; corrosive environments

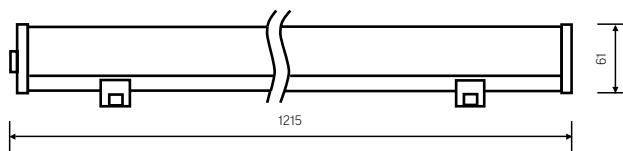
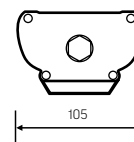
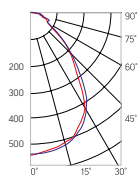
	Product code	Wattage	Colour temperature	Luminous flux
Housing	V1-IA-70800-03000-6701827	2×9W=18W	2700K	2000Lm
	V1-IA-70800-03000-6701840	2×9W=18W	4000K	2100Lm
	V1-IA-70800-03000-6701865	2×9W=18W	6500K	2200Lm
	V1-IA-70800-03000-6703627	4×9W=36W	2700K	4000Lm
	V1-IA-70800-03000-6703640	4×9W=36W	4000K	4200Lm
	V1-IA-70800-03000-6703665	4×9W=36W	6500K	4400Lm
	V1-IA-70800-03000-6705427	6×9W=54W	2700K	6000Lm
	V1-IA-70800-03000-6705440	6×9W=54W	4000K	6300Lm
	V1-IA-70800-03000-6705465	6×9W=54W	6500K	6600Lm

### \*Emergency version: emergency power supply & 3-hour battery:

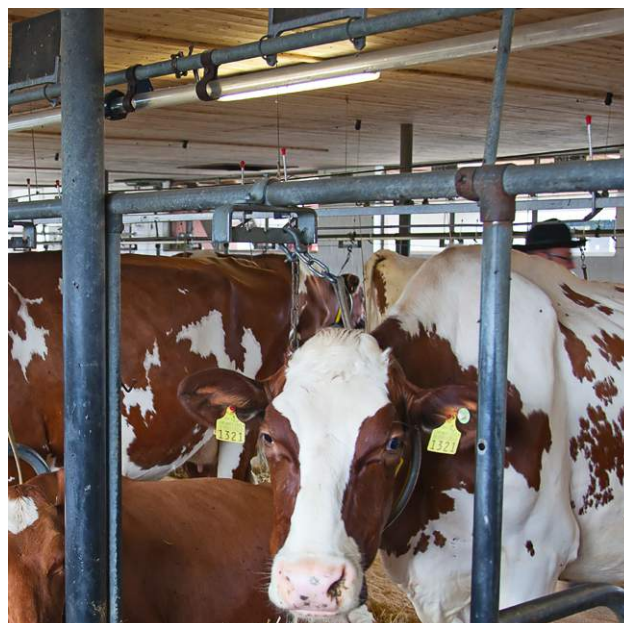
V1-IA-70800-03A00-6701840	2×9W=18W	4000K	2100Lm
V1-IA-70800-03A00-6701865	2×9W=18W	6500K	2200Lm
V1-IA-70800-03A00-6703640	4×9W=36W	4000K	4200Lm
V1-IA-70800-03A00-6703665	4×9W=36W	6500K	4400Lm
V1-IA-70800-03A00-6705440	6×9W=54W	4000K	6300Lm
V1-IA-70800-03A00-6705465	6×9W=54W	6500K	6600Lm

### Dimmable version: protocol 1-10V; DALI

Housing	V1-IA-70800-03D00-6701840	2×9W=18W	4000K	2100Lm
	V1-IA-70800-03D00-6701865	2×9W=18W	6500K	2200Lm
	V1-IA-70800-03D00-6703640	4×9W=36W	4000K	4200Lm
	V1-IA-70800-03D00-6703665	4×9W=36W	6500K	4400Lm



- ▶ LED modules 2835 SMD 18×0.5W LED = 9W
- ▶ Power supply 20W/40W/2×30W/60W
- ▶ Dimensions 1215×105×61mm
- ▶ High color rendering index CRI (R<sub>a</sub>) >80
- ▶ Operating temperature -40°C to +50°C
- ▶ Input voltage AC176-264V
- ▶ Frequency 50Hz ± 10%
- ▶ LED lifetime 50 000h
- ▶ 3 year warranty
- ▶ Luminaire package dimensions 1234×115×69mm
- ▶ Low illumination ripple factor IRF ≤ 1 %
- ▶ PF ≥ 0,98
- ▶ Safety class I





# LED luminaires IRON-AGRO IP67 600×105×61 mm

low-voltage version



## Housing

- ▶ IP67
- ▶ Aluminium anodized housing
- ▶ Clear UV-stabilized PMMA (acrylic) diffuser resistant to agricultural environments
- ▶ Silicone pads for secure sealing

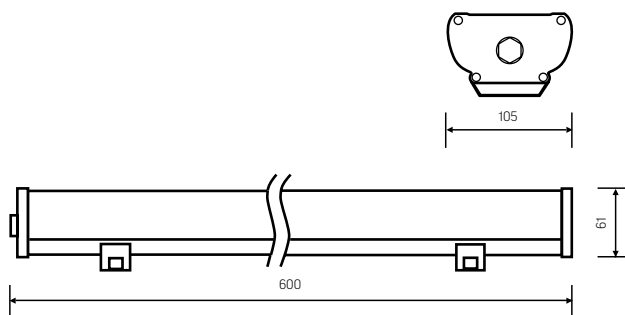
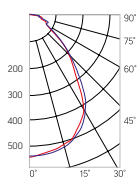
## Installation

- ▶ Surface and suspended mounting
- ▶ Quick and easy installation
- ▶ For mounting options see p.81

## Application

- ▶ Poultry farms and livestock, industrial premises, premises with high requirements for electrical safety
- ▶ Outdoor lighting; corrosive environments
- ▶ Connects to AC/DC 36V

	Product code	Wattage	Colour temperature	Luminous flux
Housing	V1-IA-70820-03N00-6701840	2×9W=18W	4000K	2100Lm
	V1-IA-70820-03N00-6701865	2×9W=18W	6500K	2200Lm



- ▶ LED modules 2835 SMD 18×0.5W LED = 9W
- ▶ Power supply 20W AC/DC 36V
- ▶ Dimensions 600×105×61mm
- ▶ High color rendering index CRI (R<sub>a</sub>) >80
- ▶ Operating temperature -40°C to +50°C
- ▶ Input voltage AC/DC 36V
- ▶ LED lifetime 50 000h
- ▶ 3 year warranty
- ▶ Luminaire package dimensions (2 pcs.) 1234×115×69mm
- ▶ Low illumination ripple factor IRF ≤ 1 %
- ▶ PF ≥ 0,98
- ▶ Safety class II





# LED luminaires IRON-AGRO IP67 1215×105×61 mm

low-voltage version



## Housing

- ▶ IP67
- ▶ Aluminium anodized housing
- ▶ Clear UV-stabilized PMMA (acrylic) diffuser resistant to agricultural environments
- ▶ Silicone pads for secure sealing

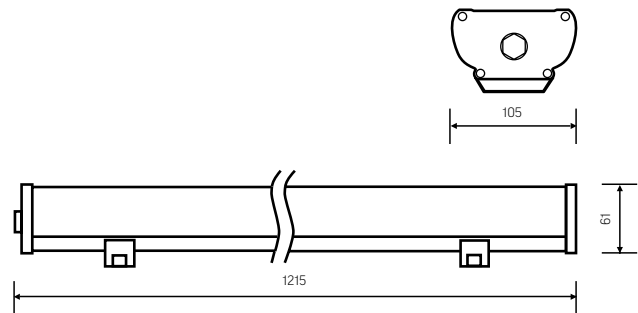
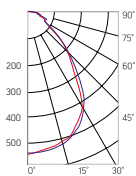
## Installation

- ▶ Surface and suspended mounting
- ▶ Quick and easy installation
- ▶ For mounting options see p.81

## Application

- ▶ Poultry farms and livestock, industrial premises, premises with high requirements for electrical safety
- ▶ Outdoor lighting; corrosive environments
- ▶ Connects to AC/DC 36V

	Product code	Wattage	Colour temperature	Luminous flux
Housing	V1-IA-70800-03N00-6701840	2×9W=18W	4000K	2100Lm
	V1-IA-70800-03N00-6701865	2×9W=18W	6500K	2200Lm
	V1-IA-70800-03N00-6703640	4×9W=36W	4000K	4200Lm
	V1-IA-70800-03N00-6703665	4×9W=36W	6500K	4400Lm



- ▶ LED modules 2835 SMD 18×0.5W LED = 9W
- ▶ Power supply 20W/40W AC/DC 36V
- ▶ Dimensions 1215×105×61mm
- ▶ High color rendering index CRI (R<sub>a</sub>) >80
- ▶ Operating temperature -40°C to +50°C
- ▶ Input voltage AC/DC 36V
- ▶ LED Lifetime 50 000h
- ▶ 3 year warranty
- ▶ Luminaire package dimensions (2 pcs.) 1234×115×69mm
- ▶ Low illumination ripple factor IRF ≤ 1 %
- ▶ PF ≥ 0,98
- ▶ Safety class II



# Mounting units for IRON luminaires



**V4-10-70.0002.IR0-0001**  
Rotary console (beam angle 100°) mounting bracket for IRONs

## Housing

- ▶ Zinc-coated

## Installation

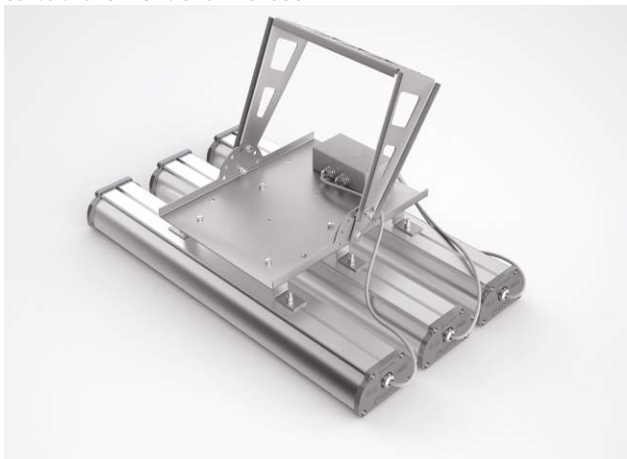
- ▶ WAGO® connectors for easy wiring
- ▶ **Rotary console** is mounted on plane horizontal or vertical surfaces. Beam angle 180° with 30° lag
- ▶ **Suspended console**
- ▶ **Fixed console** mounted on pipe Ø40-50mm



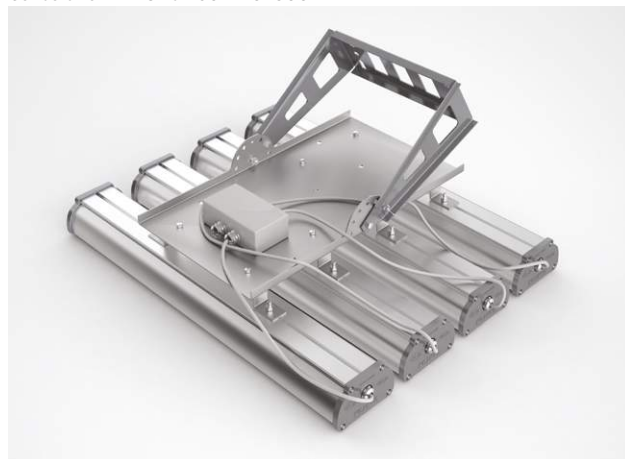
**V4-10-70.0003.IR0-0001**  
Console for 3 IRONs 325×120×300mm



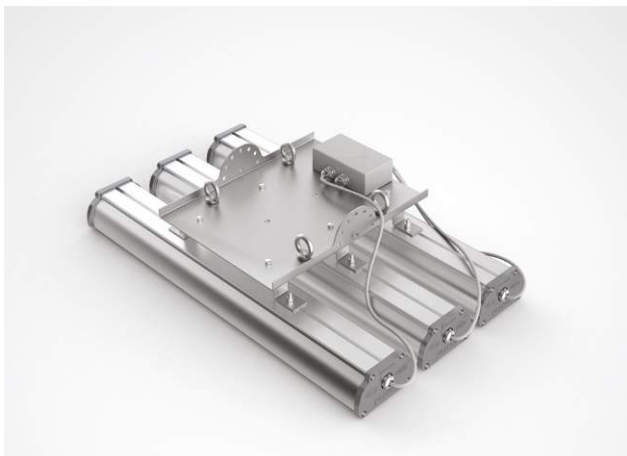
**V4-10-70.0003.IR0-0002**  
Console for 4 IRONs 450×120×300mm



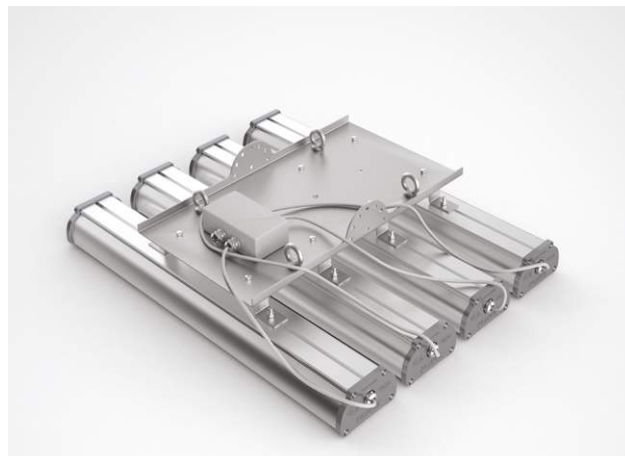
**V4-10-70.0002.IR0-0002**  
Rotary console for 3 IRONs 325×276×300mm



**V4-10-70.0002.IR0-0003**  
Rotary console for 4 IRONs 450×276×300mm



**V4-10-70.0004.IR0-0001**  
Suspended console for 3 IRONs 325×120×300mm



**V4-10-70.0003.IR0-0003**  
Suspended console for 4 IRONs 450×120×300mm

# LED floodlights TRIUMPH IP65



## Housing

- ▶ Anodized aluminum housing of metallic colour
- ▶ Stainless steel swivel bracket
- ▶ IP65

## Shielding glass

- ▶ Acryl 3mm

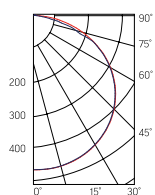
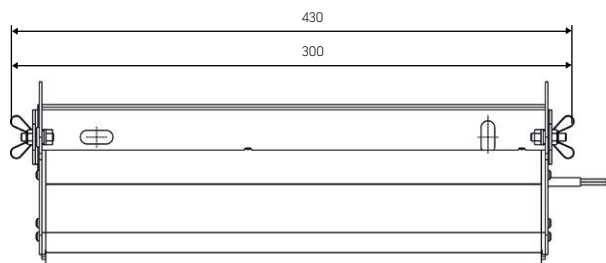
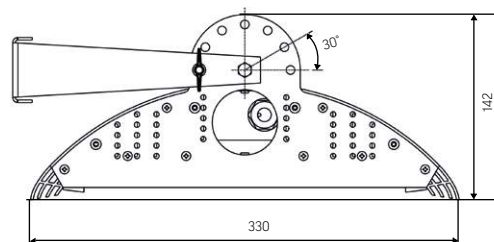
## Installation

- ▶ Wall, ceiling and floor mounting
- ▶ Rotating angle regulation within 180°

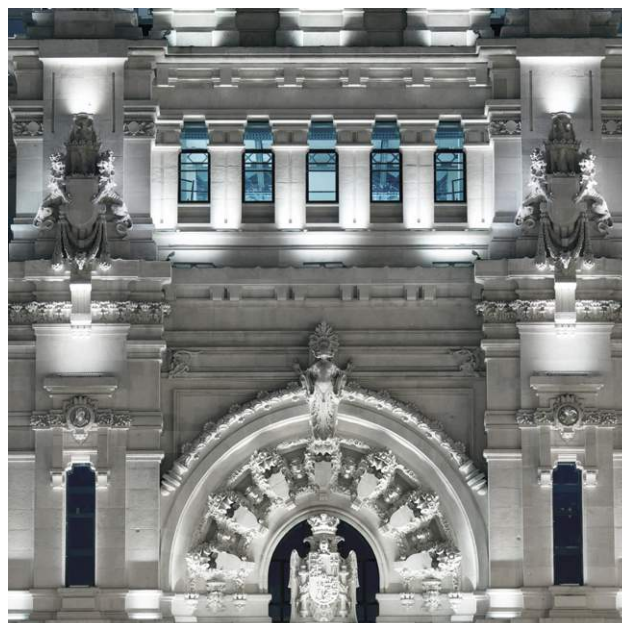
## Application

- ▶ Warehouses, entrances, exhibit spaces, accent lighting of architectural elements, buildings, etc.

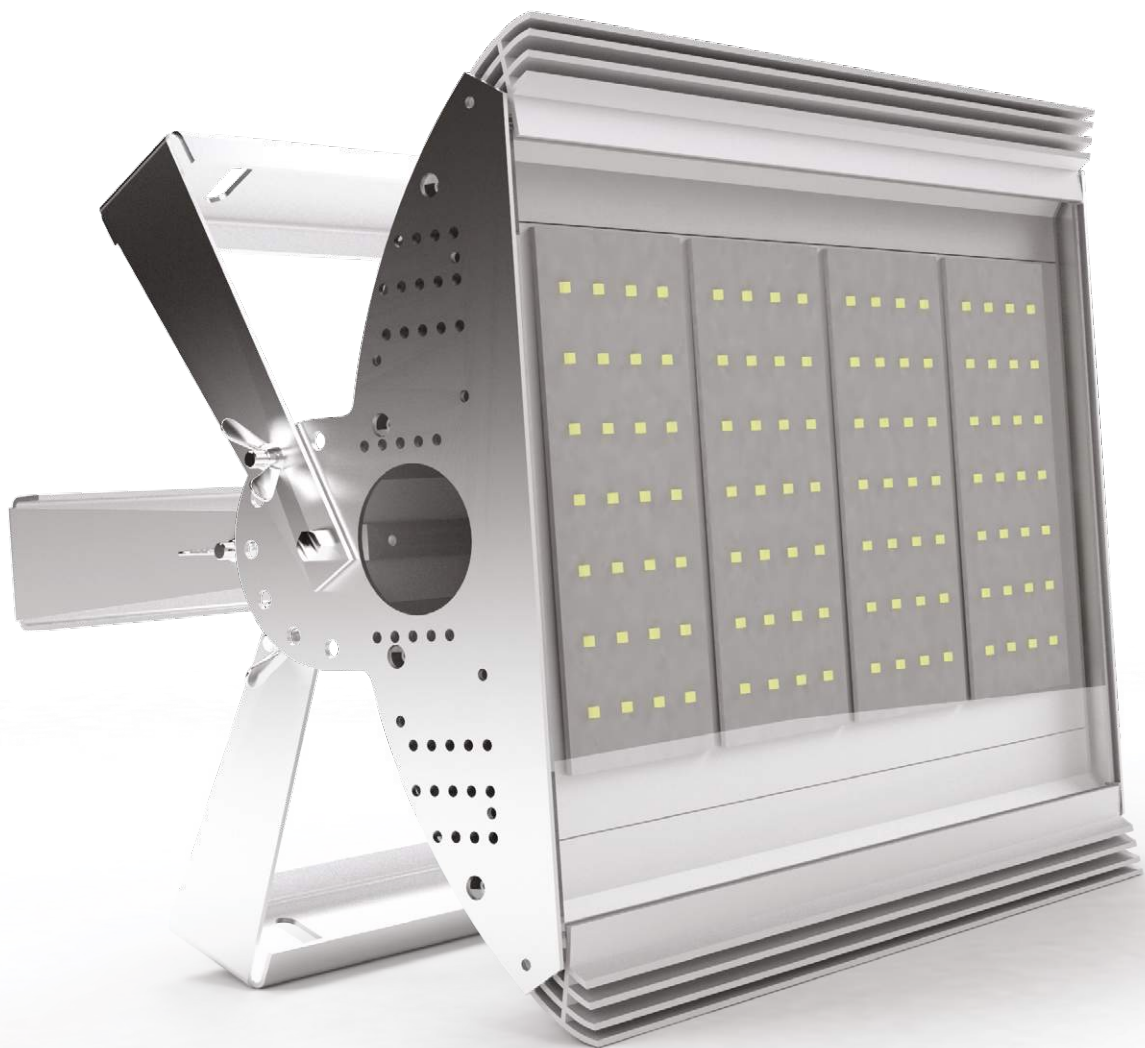
	Product code	Wattage	Colour temperature	Luminous flux
Housing	V1-I0-70056-04L05-6509040	90W	4000K	10350Lm
	V1-I0-70056-04L05-6509065	90W	6500K	10800Lm
	V1-I0-70056-04L05-6512040	120W	4000K	13800Lm
	V1-I0-70056-04L05-6512065	120W	6500K	14400Lm



- ▶ Dimensions 430×330×142mm
- ▶ High color rendering index CRI (R<sub>a</sub>) >75
- ▶ Operating temperature -20°C to +50°C
- ▶ Input voltage AC176-264V
- ▶ Frequency 50Hz ± 10%
- ▶ Scattering angle 120°
- ▶ LED lifetime 50 000h
- ▶ 3 year warranty
- ▶ Luminaire package dimensions 450×335×150mm
- ▶ Low illumination ripple factor IRF ≤ 1 %
- ▶ PF ≥ 0,98
- ▶ Safety class I



# Assembly methods



Rotating angle – 180°



Ceiling mounting



Wall mounting



Floor mounting



# STREET LIGHTING





# LED luminaires TRIUMPH IP65



## Housing

- ▶ Anodized aluminium housing with ABS-plastic end-cap
- ▶ IP65

## Installation

- ▶ Mounted on pipe  $\varnothing 48$  mm

## Primary optics

- ▶ Tempered glass

## Secondary optics

- ▶ Lens modules ensure excellent light distribution on the road surface

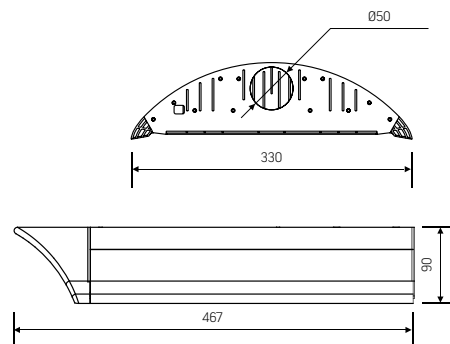
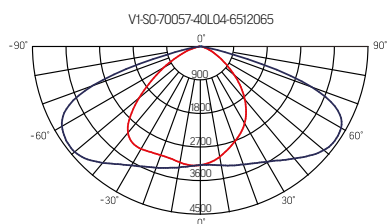
## Application area

- ▶ All types of streets and roads except A1-class highway

	Product code	Wattage	Color temperature	Световой поток
Housing	V1-S0-70057-40L04-6506040	2×30W=60W	4000K	6900Lm
	V1-S0-70057-40L04-6506065	2×30W=60W	6500K	7200Lm
	V1-S0-70057-40L04-6509040	3×30W=90W	4000K	10350Lm
	V1-S0-70057-40L04-6509065	3×30W=90W	6500K	10800Lm
	V1-S0-70057-40L04-6512040	4×30W=120W	4000K	13800Lm
	V1-S0-70057-40L04-6512065	4×30W=120W	6500K	14400Lm

## Secondary optics:

Housing	V1-S0-70057-40L05-6506040	2×30W=60W	4000K	6900Lm
	V1-S0-70057-40L05-6506065	2×30W=60W	6500K	7200Lm



- ▶ Size 467×330×90mm
- ▶ High color rendering index CRI >75R<sub>a</sub>
- ▶ Operating temperature -40°C to +60°C
- ▶ Input voltage AC176-264V
- ▶ Frequency 50Hz ± 10%
- ▶ LED Lifespan 50 000h
- ▶ 3 year warranty
- ▶ Luminaire package dimensions 506×346×94mm
- ▶ Low illumination ripple factor IRF ≤ 1 %
- ▶ High power factor PF ≥ 0,97



## Project solutions

We offer full range of services in lighting projects implementation:

- ▶ Development of lighting design concept;
- ▶ Lighting calculation;
- ▶ 3D-modelling;
- ▶ Photometric Lighting Layout;
- ▶ Return on investment (ROI) calculations;
- ▶ Consultation on the application of lighting fixtures;
- ▶ Option to test the luminaires in our laboratory before entering the field.

We have extensive experience in development of lighting projects of various difficulty levels.

We have already implemented projects for offices, shopping and entertainment centers, residential premises, showrooms, hospitals, industrial facilities, warehouses, sports and educational institutions.

All lighting equipment used in projects is produced in our factory and has passed compulsory and voluntary certification in RF and in Europe.

Our specialists support projects at all stages, from preliminary studies and lighting



Lighting project for Tinkoff office. 3D-modelling.  
Luminaire V1-A0-00070-01000-2003640



Fictitious colors – object visualization.  
Luminaire V1-A0-00070-01000-2003640



Tinkoff office remodeling. Implemented project.  
Luminaire V1-A0-00070-01000-2003640

calculations to the stage of construction supervision.

The work is based on precise measurements of a particular room. Calculations are carried out in accordance with legal and medical standards for lighting, building specifications. Technical and software bases allow managing equipment both for newly constructed and reconstructed buildings. In both cases computer modelling, prototyping and 3D-renderings of objects are used, which clarifies the project construction algorithm for the contractor and the customer.

Our specialists provide advice on technical characteristics and end use of luminaires, along with recommendations on care and replacement of equipment.

Our company is an official partner of DIALux. We have a plug-in for the DIALux lighting software which contains all lighting data for our luminaires. Plug-in is continuously updated.

We provide our clients with IESNA (\*.ies), EULUMDAT (\*.ldt) data files.