

# Lighting equipment



## Hermetic sockets BETA1 and hermetic switches BETA

**NEW** Sets colors: black

**Sockets 250V/16A SCHUKO version!**

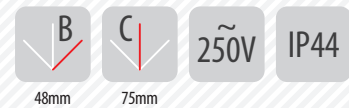
Name	Catalogue no.	Kind	Switch, type	Sockets:		A	Box icon
				Sockets 2P+Z	Version		
BETA hermetic switches	D.3710WC	single		1	Schuko	•	65mm 12
	D.3710W2C	single		1	French	•	65mm 12
	D.3210WSC	single		2	Schuko	•	130mm 6
	D.3710WKC	single		2	French	•	130mm 6
	D.3710WDC	single		3	Schuko	•	195mm 6
Hermetic sockets BETA1	D.3711SCG/1	single		1	Schuko	•	65mm 12
	D.3710CG/1	single		1	French	•	65mm 12
	D.3713SCGG/1	double		2	Schuko	•	130mm 6
	D.3712CGG/1	double		2	French	•	130mm 6
Hermetic switches BETA and hermetic sockets BETA1	D.3715SCGGG/1	triple		3	Schuko	•	195mm 6
	D.3714CGGG/1	triple		3	French	•	195mm 6



**NEW ! Now BETA hermetic switches and BETA1 hermetic sockets also in black color!**



## Hermetic sockets BETA1 and hermetic switches BETA



Sets colors: white

**Sockets 250V/16A SCHUKO version!**

Name	Catalogue no.	Kind	Switch, type	Sockets 2P+Z	Socket flap color		A	#
					smoke	white		
BETA hermetic switches	D.3110W	single						
	D.3110W2	single						
	D.3110WS	single						
	D.3110WK	single						
	D.3110WD	single						
	D.3112WW2	double						
Hermetic sockets BETA1	D.3111SG/1	single						
	D.3111SBG/1	single						
	D.3113SGG/1	double						
	D.3113SBGG/1	double						
Hermetic switches BETA and hermetic sockets BETA1	D.3113SGW/1	double						
	D.3113SBGW/1	double						
	D.3113SGW2/1	double						
	D.3113SBGW2/1	double						
	D.3113SGWS/1	double						
	D.3113SBGWS/1	double						
	D.3115SGGG/1	triple						
	D.3115SBGGG/1	triple						

Hermetic switches BETA: norm PN-EN 60669-1, Current [A]: ~10AX (X- you can use it in fluorescent lamp)					
unipolar				65mm	12
candlestick				65mm	12
staircase				65mm	12
cross				65mm	12
momentary-bell				65mm	12
unipolar + candlestick				130mm	6

Hermetic socket BETA1: norm PN-IEC 60884-1, Current [A]: ~16A					
	1	•		65mm	12
	1		•	65mm	12
	2	•		130mm	6
	2		•	130mm	6

Hermetic switches BETA: norm PN-EN 60669-1, Current [A]: ~10AX (X- you can use it in fluorescent lamp) \ Hermetic socket BETA1: norm PN-IEC 60884-1, Current [A]: ~16A					
unipolar	1	•		130mm	6
unipolar	1		•	130mm	6
candlestick	1	•		130mm	6
candlestick	1		•	130mm	6
staircase	1	•		130mm	6
staircase	1		•	130mm	6
	3	•		195mm	6
	3		•	195mm	6

In addition to the above - we offer any configuration of double and triple sets!





# Lighting equipment

IP44

250V



75mm



48mm

## Hermetic sockets BETA1 and hermetic switches BETA



Sets colors: brown

Sockets 250V/16A SCHUKO version!

Name	Catalogue no.	Kind	Switch, type	Sockets 2P+Z	Socket flap color		A	#
					smoke	white		
BETA hermetic switches	D.3210W	single		unipolar			65mm	12
	D.3210W2	single		candlestick			65mm	12
	D.3210WS	single		staircase			65mm	12
	D.3210WK	single		cross			65mm	12
	D.3210WD	single		momentary-bell			65mm	12
	D.3212WW2	double		unipolar + candlestick			130mm	6
Hermetic sockets BETA1	D.3211SG/1	single		1	•		65mm	12
	D.3211SBRG/1	single		1		•	65mm	12
	D.3213SGG/1	double		2	•		130mm	6
	D.3213SBRGG/1	double		2		•	130mm	6
Hermetic switches BETA and hermetic sockets BETA1	D.3213SGW/1	double		unipolar	1	•	130mm	6
	D.3213SBRGW/1	double		unipolar	1		130mm	6
	D.3213SGW2/1	double		candlestick	1	•	130mm	6
	D.3213SBRGW2/1	double		candlestick	1		130mm	6
	D.3213SGWS/1	double		staircase	1	•	130mm	6
	D.3213SBRGWS/1	double		staircase	1		130mm	6
	D.3215SGGG/1	triple			3	•	195mm	6
	D.3215SBRGGG/1	triple			3		195mm	6

Hermetic switches BETA: norm PN-EN 60669-1, Current [A]: ~10AX (X- you can use it in fluorescent lamp)

Hermetic socket BETA1: norm PN-IEC 60884-1, Current [A]:~16A

Hermetic switches BETA: norm PN-EN 60669-1, Current [A]: ~10AX (X- you can use it in fluorescent lamp) \ Hermetic socket BETA1: norm PN-IEC 60884-1, Current [A]:~16A

Our surface accessories offer of BETA and BETA1 contain a wide range of sockets and switches



## Hermetic sockets BETA1 and hermetic switches BETA



Sets colors: grey

Sockets 250V/16A SCHUKO version!

Name	Catalogue no.	Kind	Switch, type	Sockets 2P + Z	Socket flap color		A	#
					smoke	white		
BETA hermetic switches	D.3610W	single		unipolar				65mm 12
	D.3610W2	single		candlestick				65mm 12
	D.3610WS	single		staircase				65mm 12
	D.3610WK	single		cross				65mm 12
	D.3610WD	single		momentary-bell				65mm 12
	D.3612WW2	double		unipolar + candlestick				130mm 6
Hermetic sockets BETA1	D.3611SG/1	single			1	•		65mm 12
	D.3611SSG/1	single			1		•	65mm 12
	D.3613SGG/1	double			2	•		130mm 6
	D.3613SSGG/1	double			2		•	130mm 6
Hermetic switches BETA and hermetic sockets BETA1	D.3613SGW/1	double		unipolar	1	•		130mm 6
	D.3613SSGW/1	double		unipolar	1		•	130mm 6
	D.3613SGW2/1	double		candlestick	1	•		130mm 6
	D.3613SSGW2/1	double		candlestick	1		•	130mm 6
	D.3613SGWS/1	double		staircase	1	•		130mm 6
	D.3613SSGWS/1	double		staircase	1		•	130mm 6
	D.3615SGGG/1	triple			3	•		195mm 6
	D.3615SSGGG/1	triple			3		•	195mm 6

NEW ! Now BETA hermetic switches and BETA1 hermetic sockets also in grey color!

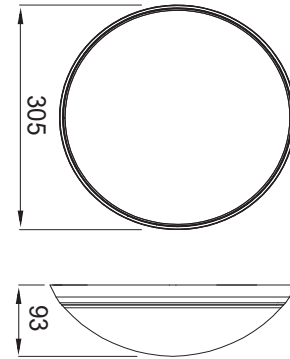


Application: technical rooms, warehouses, garages, laundry rooms, bathrooms

## LED Lamp housing PANTERA



Norm: PN-EN 60598-1



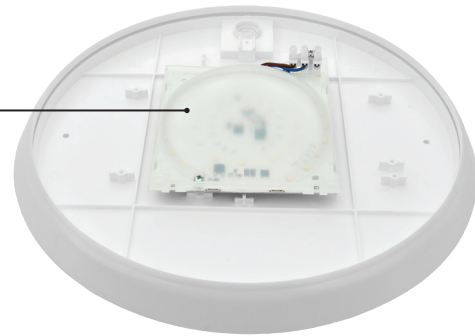
### Advantages of PANTERA lamp housing

- » Large choice of lamp housing configurations
- » High esthetic of realization
- » High mechanical impact resistance of lampshades - IK10 !
- » LED version with radar motion sensor are equipped with a corridor function
- » The lampshade is made of high quality material - polycarbonate (PC)
- » UV resistant
- » It has PZH / hygienic approval



### Advantages of LED light diffuser

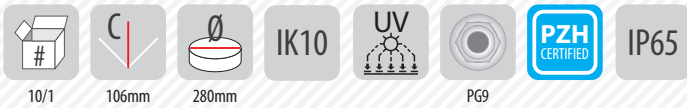
- » Initial light dispersion inside the lamp housing
- » Better distribution of light on the lampshade
- » Greater safety – separation from the 230V voltage on the led plate



Light source: LED SMD, CRI>80, color 4000K - white neutral

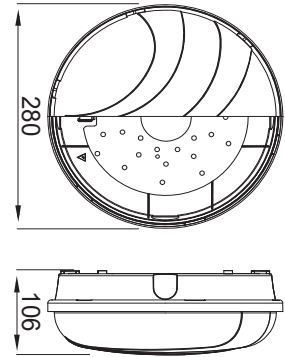
Version	Luminous flux	Motion Sensor	Supply	Power	Lampshade version: Transparent		Lampshade version: Lacteal	
					Ring color: white	Ring color: silver	Ring color: white	Ring color: silver
Standard version with motion sensor	900lm	x	230V AC	9W	D.3198R-BN-9W		D.3198RM-BN-9W	D.3198SRM-BN-9W
Standard version with motion sensor	1400lm	x	230V AC	13W	D.3198R-BN-13W		D.3198RM-BN-13W	D.3198SRM-BN-13W
Standard version with diffuser and motion sensor	1400lm	x	230V AC	13W			D.3198DRM-BN-13W	D.3198DSRM-BN-13W
Special version 24V AC with motion sensor	1400lm	x	24V AC	13W			D.3198RM-BN-13W/24V	D.3198SRM-BN-13W/24V
Special version 24V AC with diffuser and motion sensor	1400lm	x	24V AC	13W				D.3198DSRM-BN-13W/24V
Standard version with motion sensor	2070lm	x	230V AC	20W	D.3198R-BN-20W		D.3198RM-BN-20W	D.3198SRM-BN-20W
Standard version	1400lm		230V AC	13W	D.3198-BN-13W		D.3198M-BN-13W	D.3198SM-BN-13W
Standard version with diffuser	1400lm		230V AC	13W			D.3198DM-BN-13W	D.3198DSM-BN-13W
Special version with diffuser and AW control	1400lm		230V AC	13W			D.3198DM-AW-BN-13W	
Special version 24V AC	1400lm		24V AC	13W	D.3198-BN-13W/24V			
Standard version	2070lm		230V AC	20W	D.3198-BN-20W		D.3198M-BN-20W	D.3198SM-BN-20W





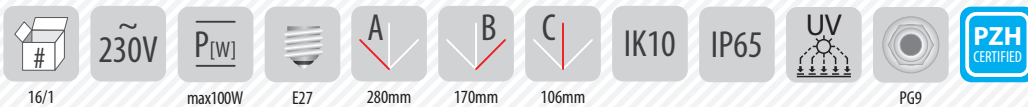
Norm: PN-EN 60598-1

## Lamp housing Panda ROUND



Light source: LED SMD, CRI>80, color 4000K - white neutral

Version	Luminous flux	Motion Sensor	Supply	Power	Lampshade version: Transparent		Lampshade version: Lacteal	
					white bottom	black bottom	white bottom	black bottom
Standard version with motion sensor	900lm	x	230V AC	9W	D.3175R-BN-9W	D.3175CR-BN-9W	D.3175RM-BN-9W	D.3175CRM-BN-9W
Standard version with motion sensor	1400lm	x	230V AC	13W			D.3175RM-BN-13W	D.3175CRM-BN-13W
Special version 24V AC with motion sensor	1400lm	x	24V AC	13W	D.3175R-BN-13W/24V	D.3175CR-BN-13W/24V	D.3175RM-BN-13W/24V	D.3175CRM-BN-13W/24V
Standard version with motion sensor	2070lm	x	230V AC	20W	D.3175R-BN-20W	D.3175CR-BN-20W	D.3175RM-BN-20W	D.3175CRM-BN-20W
Standard version	1400lm		230V AC	13W			D.3175M-BN-13W	D.3175CM-BN-13W
Standard version	2070lm		230V AC	20W	D.3175-BN-20W	D.3175C-BN-20W	D.3175M-BN-20W	D.3175CM-BN-20W



Norm: PN-EN 60598-1 Remarks: Bulb holder E27 ceramic

## Lamp housing Panda OVAL

Panda OVAL  
transparent lampshade, white bottom

D.3176



Panda OVAL  
milky lampshade, white bottom

D.3176M



Panda OVAL  
transparent lampshade, black bottom

D.3176C



Panda OVAL  
milky lampshade, black bottom

D.3176CM



## Lamp housing AFRODYTA



IK10

IP44



303mm

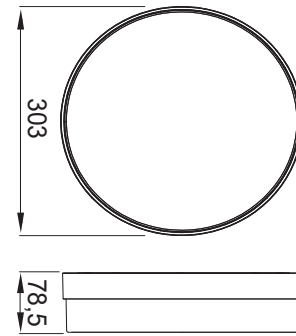


78,5 mm



1

Norm: PN-EN 60598-1



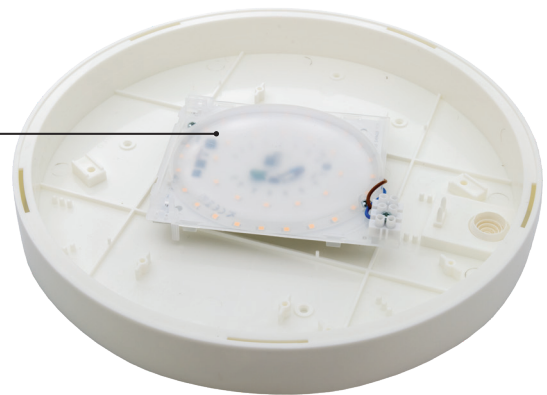
## Advantages of AFRODYTA lamp housing

- » Large choice of lamp housing configurations
- » High mechanical impact resistance of lampshades - IK10 !
- » The lampshade is made of high quality material - polycarbonate (PC)
- » UV resistant
- » LED version with radar motion sensor with corridor function



## Advantages of LED light diffuser

- » Initial light dispersion inside the lamp housing
- » Better distribution of light on the lampshade
- » Greater safety – separation from the 230V voltage on the led plate



Light source: LED SMD, CRI&gt;80, color 4000K - white neutral

Version	Luminous flux	Motion Sensor	Supply	Power	Lampshade version: Transparent		Lampshade version: Lacteal	
					Ring color: white	Ring color: silver	Ring color: white	Ring color: silver
Standard version with motion sensor	900lm	x	230V AC	9W	D.3139R-BN-9W	D.3139SR-BN-9W	D.3139RM-BN-9W	D.3139SRM-BN-9W
Standard version with motion sensor	1400lm	x	230V AC	13W	D.3139R-BN-13W	D.3139SR-BN-13W	D.3139RM-BN-13W	D.3139SRM-BN-13W
Standard version with diffuser and motion sensor	1400lm	x	230V AC	13W		D.3139DSR-BN-13W	D.3139DRM-BN-13W	D.3139DSRM-BN-13W
Special version 24V AC with motion sensor	1400lm	x	24V AC	13W			D.3139SRM-BN-13W/24V	D.3139SRM-BN-13W/24V
Special version 24V AC with diffuser and motion sensor	1400lm	x	24V AC	13W			D.3139DRM-BN-13W/24V	D.3139DSRM-BN-13W/24V
Standard version with motion sensor	2070lm	x	230V AC	20W	D.3139R-BN-20W	D.3139SR-BN-20W	D.3139RM-BN-20W	D.3139SRM-BN-20W
Standard version	1400lm		230V AC	13W	D.3139-BN-13W	D.3139S-BN-13W	D.3139M-BN-13W	D.3139SM-BN-13W
Standard version with diffuser	1400lm		230V AC	13W	D.3139D-BN-13W	D.3139DS-BN-13W	D.3139DM-BN-13W	D.3139DSM-BN-13W
Standard version	2070lm		230V AC	20W	D.3139-BN-20W	D.3139S-BN-20W	D.3139M-BN-20W	D.3139SM-BN-20W

## Lamp housing DIONE



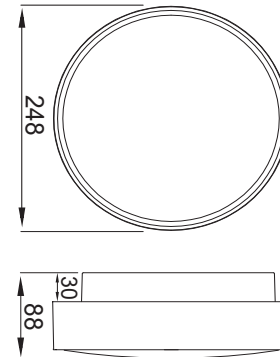
PG9

248mm

88 mm

1

Norm: PN-EN 60598-1



### Advantages of DIONE lamp housing

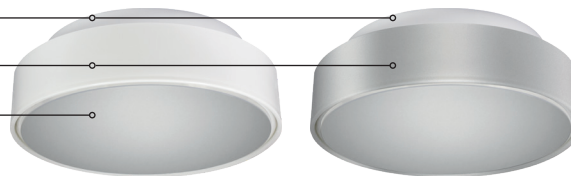
- » Large choice of lamp housing configurations
- » Colour version of lamp housing base – white or black
- » High mechanical impact resistance of lampshades - IK10 !
- » The lampshade is made of high quality material - polycarbonate (PC)
- » UV resistant
- » Ingress protection IP65
- » Versions with radar motion sensor
- » It has PZH / hygienic approval



Housing color

Ring color

Lampshade



Light source: LED SMD, CRI>80, color 4000K - white neutral, **Housing color: black**

Version	Luminous flux	Motion Sensor	Supply	Power	Lampshade version: Transparent		Lampshade version: Lacteal		
					Ring color: white	Ring color: black	Ring color: white	Ring color: black	Ring color: silver
Standard version with motion sensor	900lm	x	230V AC	9W		D.3140CCR-BN-9W		D.3140CCRM-BN-9W	
Standard version with motion sensor	1400lm	x	230V AC	13W		D.3140CCR-BN-13W		D.3140CCRM-BN-13W	
Standard version with diffuser and motion sensor	1400lm	x	230V AC	13W				D.3140DCCRM-BN-13W	
Standard version	900lm		230V AC	9W	D.3140-BN-9W	D.3140CC-BN-9W		D.3140CCM-BN-9W	
Standard version	1400lm		230V AC	13W		D.3140CC-BN-13W		D.3140CCM-BN-13W	
Standard version with diffuser	1400lm		230V AC	13W				D.3140DCCM-BN-13W	

Light source: LED SMD, CRI>80, color 4000K - white neutral, **Housing color: white**

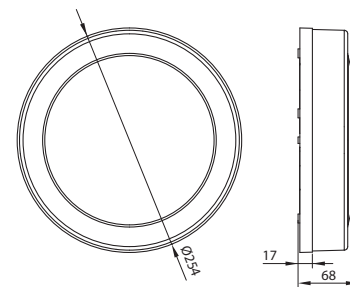
Version	Luminous flux	Motion Sensor	Supply	Power	Lampshade version: Transparent		Lampshade version: Lacteal		
					Ring color: white	Ring color: black	Ring color: white	Ring color: black	Ring color: silver
Standard version with motion sensor	900lm	x	230V AC	9W			D.3140RM-BN-9W		D.3140SRM-BN-9W
Standard version with motion sensor	1400lm	x	230V AC	13W			D.3140RM-BN-13W	D.3140CRM-BN-13W	D.3140SRM-BN-13W
Standard version with diffuser and motion sensor	1400lm	x	230V AC	13W			D.3140DRM-BN-13W		D.3140DSRM-BN-13W
Standard version	900lm		230V AC	9W			D.3140M-BN-9W	D.3140CM-BN-9W	D.3140SM-BN-9W
Standard version	1400lm		230V AC	13W			D.3140M-BN-13W	D.3140CM-BN-13W	D.3140SM-BN-13W
Standard version with diffuser	1400lm		230V AC	13W				D.3140DCM-BN-13W	D.3140DSM-BN-13W



## Lamp housing KALIPSO

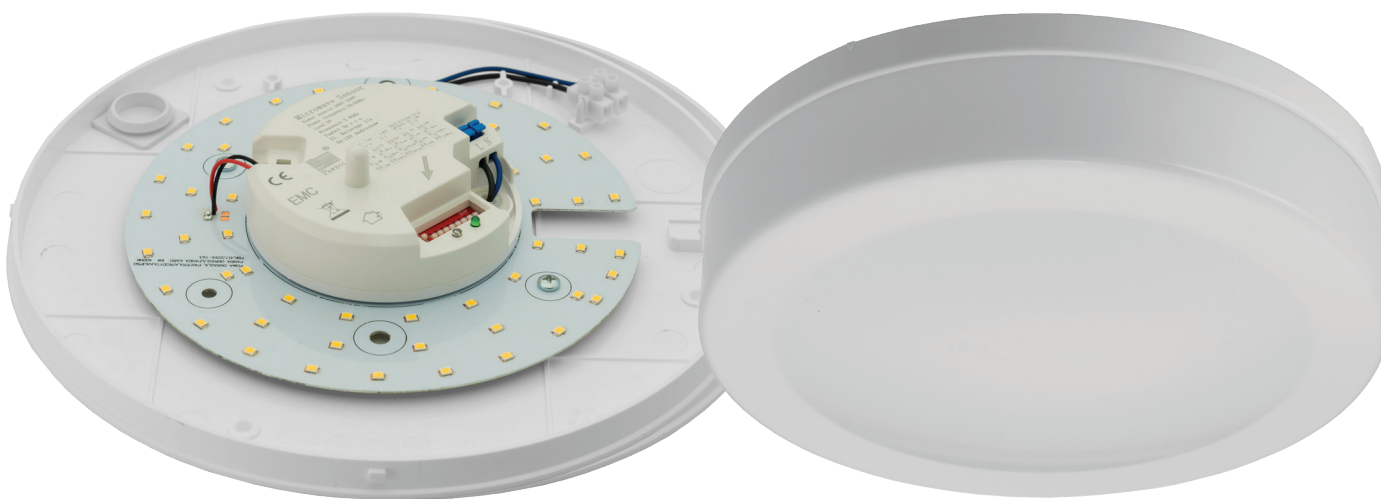
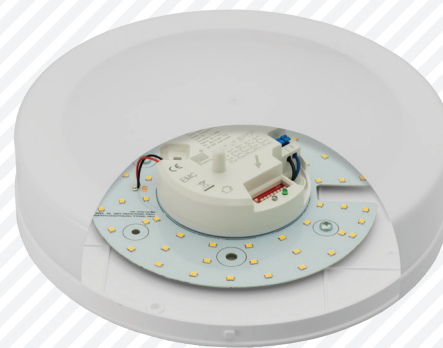


Ø254x68  
1  
Norm: PN-EN 60598-1



### Advantages of KALIPSO lamp housing

- » Large choice of lamp housing configurations
- » High mechanical impact resistance of lampshades - IK10 !
- » The lampshade is made of high quality material - polycarbonate (PC)
- » UV resistant
- » LED version with radar motion sensor with corridor function
- » It has PZH / hygienic approval



Light source: LED SMD, CRI>80, color 4000K - white neutral

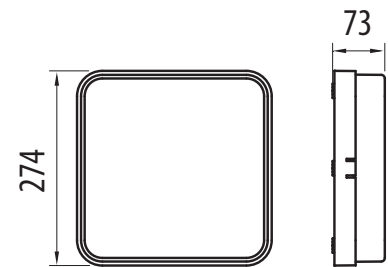
Version	Luminous flux	Motion Sensor	Supply	Power	Lampshade version: Lacteal		
					Ring color: white	Ring color: black	Ring color: silver
Standard version with motion sensor	900lm	x	230V AC	9W	D.3142RM-BN-9W	D.3142CRM-BN-9W	D.3142SRM-BN-9W

## Lamp housing HERA



274x274x73 mm 1

Norm: PN-EN 60598-1



### Advantages of HERA lamp housing

- » LED and E27 version
- » Radar motion sensor (option)
- » LED version with radar motion sensor with corridor function
- » The lampshade is made of high quality material - polycarbonate (PC), base - ABS
- » High mechanical impact resistance of lampshades - IK10 !
- » UV resistant
- » Ingress protection IP44
- » Large choice of lamp housing configurations



Light source: LED SMD, CRI>80, color 4000K - white neutral

Version	Luminous flux	Motion Sensor	Supply	Power	Lampshade version: Lacteal		
					Ring color: white	Ring color: black	Ring color: silver
Standard version with motion sensor	1400lm	x	230V AC	13W	D.3141RM-BN-13W	D.3141CRM-BN-13W	D.3141SRM-BN-13W
Standard version	1400lm		230V AC	13W	D.3141M-BN-13W	D.3141CM-BN-13W	D.3141SM-BN-13W

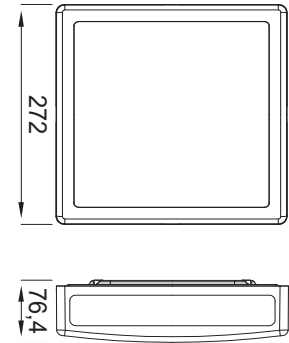
## Lamp housing ERIS



272x272x76,4

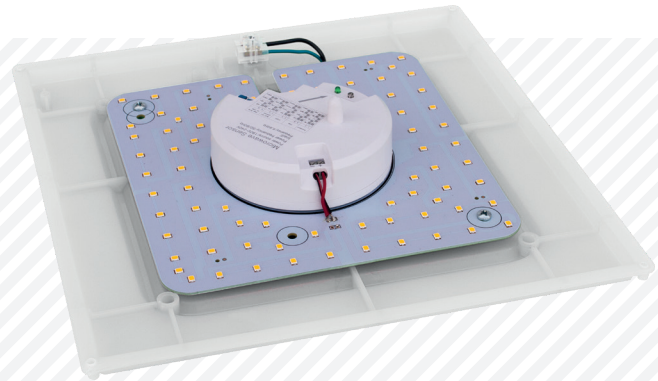
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Norm: PN-EN 60598-1



### Advantages of ERIS lamp housing

- » Large choice of lamp housing configurations
- » High mechanical impact resistance of lampshades - IK10 !
- » The lampshade is made of high quality material - polycarbonate (PC)
- » UV resistant
- » LED version with radar motion sensor with corridor function
- » It has PZH / hygienic approval



Light source: LED SMD, CRI>80, color 4000K - white neutral

Version	Luminous flux	Motion Sensor	Supply	Power	Lampshade version: Lacteal		
					Ring color: white	Ring color: black	Ring color: silver
Standard version with motion sensor	1400lm	x	230V AC	13W	D.31100RM-BN-13W	D.31100CRM-BN-13W	D.31100SRM-BN-13W
Standard version	1400lm		230V AC	13W	D.31100M-BN-13W	D.31100CM-BN-13W	D.31100SM-BN-13W



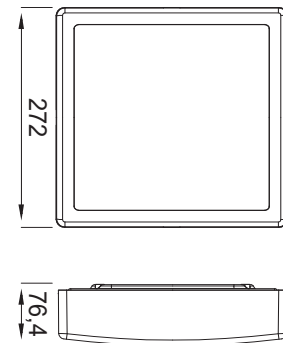
## Lamp housing IRYS



272x272x76,4

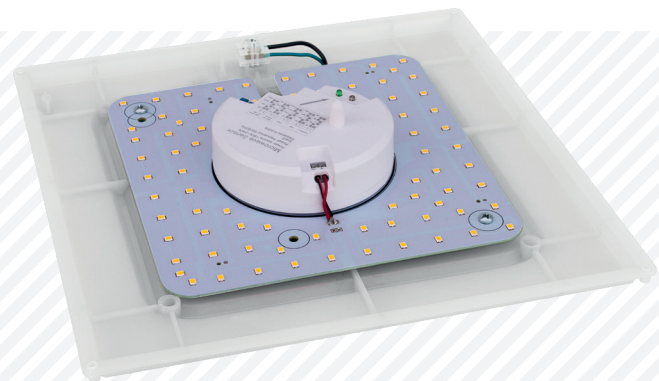
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Norm: PN-EN 60598-1



### Advantages of IRYS lamp housing

- » Large choice of lamp housing configurations
- » High mechanical impact resistance of lampshades - IK10!
- » The lampshade is made of high quality material - polycarbonate (PC)
- » UV resistant
- » LED version with radar motion sensor with corridor function
- » It has PZH / hygienic approval



Light source: LED SMD, CRI>80, color 4000K - white neutral

Version	Luminous flux	Motion Sensor	Supply	Power	Lampshade version: Lactéal		
					Ring color: white	Ring color: black	Ring color: silver
Standard version with motion sensor	1400lm	x	230V AC	13W	D.31101RM-BN-13W	D.31101CRM-BN-13W	D.31101SRM-BN-13W
Standard version	1400lm		230V AC	13W	D.31101M-BN-13W	D.31101CM-BN-13W	D.31101SM-BN-13W

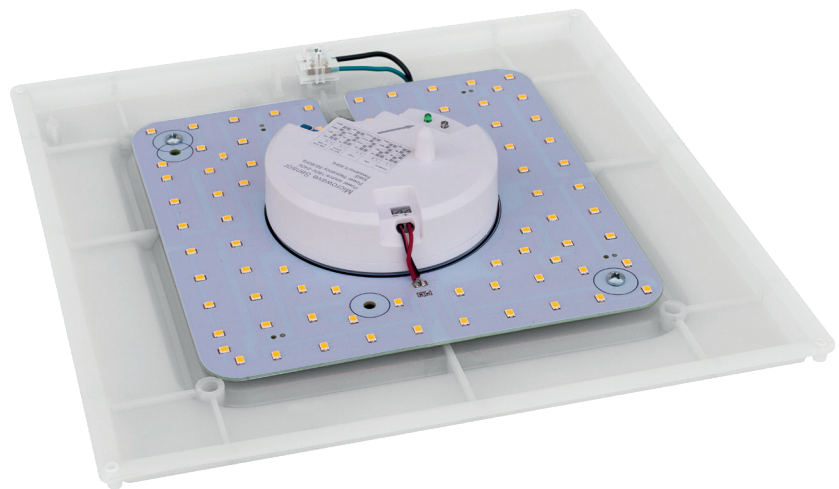
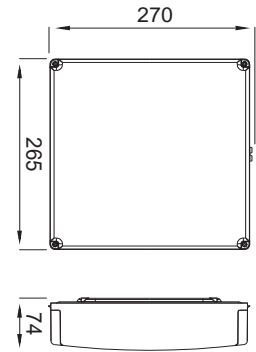
## Lamp housing JUNONA



270x265x74

1

Norm: PN-EN 60598-1



Light source: LED SMD, CRI>80, color 4000K - white neutral

Version	Luminous flux	Motion Sensor	Supply	Power	Lampshade version: Lactel
Standard version with motion sensor	1400lm	x	230V AC	13W	D.3150RM-BN-13W
Standard version	1400lm		230V AC	13W	D.3150M-BN-13W

IK08



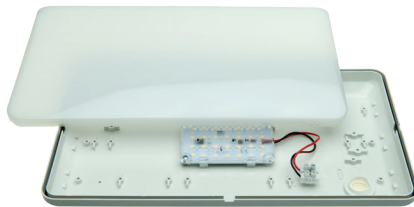
1

Norm: PN-EN 60598-1



## Lamp housing VERA LED

### Lamp housing VERA LED 5W



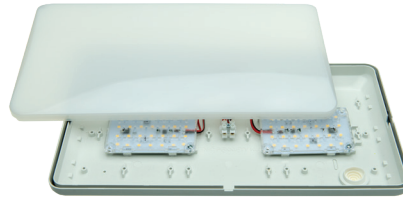
D.3322-BN-5W/24V 24V

D.3322-BN-5W 230V

A 330mm B 45mm C 185mm P[W] 5W IP54

Remarks: Lampshade lacteal

### Lamp housing VERA LED 10W



D.3322-BN-10W/24V 24V

D.3322-BN-10W 230V

A 330mm B 45mm C 185mm P[W] 10W IP54

Remarks: Lampshade lacteal

### Lamp housing VERA LED with twilight sensor



230V

Twilight sensor

D.3422-BN-5W

Twilight sensor

D.3422-BN-10W

A 330mm B 45mm C 185mm P[W] 5/10W IP54

Remarks: Lampshade lacteal

IK08



G23

230V



1

Norm: PN-EN 60598-1

## Lamp housing VERA

### Lamp housing VERA



D.3322-9W

A 330mm B 45mm C 185mm P[W] 1x9W IP54

Remarks: Lampshade lacteal

### Lamp housing VERA with the twilight detector

D.3422-9W

A 330mm

B 45mm

C 185mm

P[W] 1x9W

IP54

Remarks: Lampshade lacteal





# Lighting equipment

## Lamp housing Puma OVAL



PG9

206mm

126mm

85mm

15

Norm: PN-EN 60598-1

Puma OVAL - transparent lampshade, black bottom



D.3189C



E27



max 60W or PL11



IP65

Bulb holder E27 ceramic

Puma OVAL - transparent lampshade, white bottom



D.3189



E27



max 60W or PL11



IP65

Bulb holder E27 ceramic

Puma OVAL - milky lampshade, black bottom



D.3189CM



E27



max 60W or PL11



IP65

Bulb holder E27 ceramic

Puma OVAL - milky lampshade, white bottom



D.3189M



E27



max 60W or PL11



IP65

Bulb holder E27 ceramic

## Lamp housing Puma ROUND



PG9

206mm

80mm

E27

max 60W or PL11

15

Norm: PN-EN 60598-1 Remarks: Bulb holder E27 ceramic / ceramic

Puma ROUND - transparent lampshade, black bottom



D.3188C

IP65

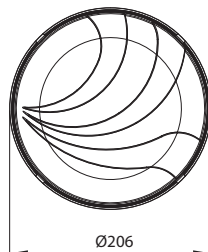
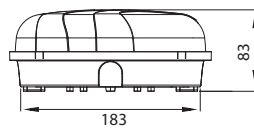


Puma ROUND - milky lampshade, black bottom



D.3188CM

IP65



Puma ROUND - transparent lampshade, white bottom



D.3188

IP65



Puma ROUND - milky lampshade, white bottom

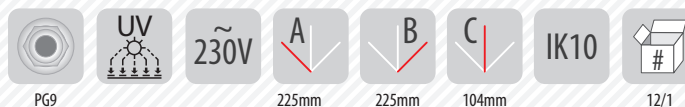


D.3188M

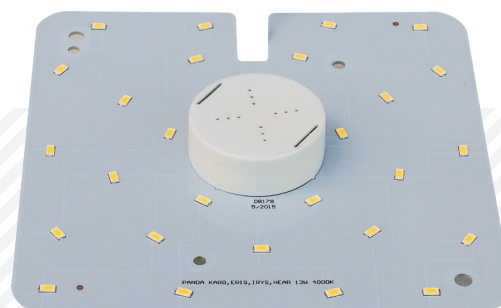
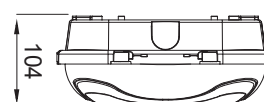
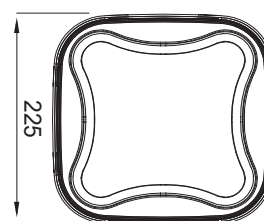
IP65



## Lamp housing Panda KARO



Norm: PN-EN 60598-1

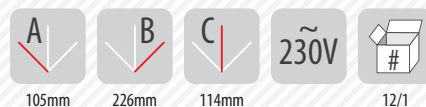


Light source: LED SMD, CRI>80, color 4000K - white neutral

Version	Luminous flux	Motion Sensor	Supply	Power	Lampshade version: Transparent		Lampshade version: Lacteal	
					white bottom	black bottom	white bottom	black bottom
Standard version with motion sensor	1400lm	x	230V AC	13W	D.3173R-BN-13W			
Standard version	1400lm		230V AC	13W	D.3173-BN-13W	D.3173C-BN-13W	D.3173M-BN-13W	D.3173CM-BN-13W

# Lighting equipment

## Lamp housing SEZAR LED



Norm: PN-EN 60598-1



Lamp housing SEZAR in a simple way (using cable ties) can be attached to the posts. To do this, use a specially designed handles at the rear of the housing.



Lamp housing SEZAR LED



IP44

D.3125-BN-9W  
9W/4000K/900lm

Remarks: matt lampshade, CRI>80, BN - white neutral - 4000K, Power: 9W, norm: PN-EN 60598-1

Lamp housing SEZAR LED



IP54

D.3125A-BN-9W  
9W/4000K/900lm

IP54

D.3125A-BN-13W  
13W/4000K/1400lm

Remarks: matt lampshade, CRI>80, BN - white neutral - 4000K, Power: 9W / 13W, norm: PN-EN 60598-1

Lamp housing SEZAR LED



IP44

D.3126-BN-13W  
13W/4000K/900lm

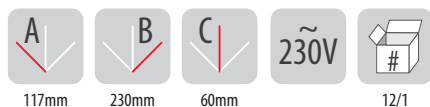
IP54

D.3126A-BN-13W  
13W/4000K/1400lm

Remarks: matt lampshade, CRI>80, BN - white neutral - 4000K, Power: 13W, norm: PN-EN 60598-1

## Lamp housing SEZAR LED SLIM IP65

D.3129-BN-9W  
9W/4000K/800lm



Remarks: matt lampshade, CRI>80  
In catalogue number: BN - white neutral - 4000K, norm: PN-EN 60598-1



230V



E-27

Norm: PN-EN 60598-1:2011

## Lamp housing

### Lamp housing ALFA



D.3178

D.3178M



245mm



85mm



230V



IP44



P[W]

max 100W

Remarks:

D.3178 - Transparent lampshades, D.3178M - Lampshade matt

### Lamp housing TRIO



D.3180

D.3180M



250mm



95mm



230V



IP44



P[W]

max 100W

Remarks: 3 inputs, 3 WN13 glands

D.3180 - Transparent lampshades, D.3180M - Lampshade matt

### Lamp housing SKOŚNA



D.3182

D.3182C



230V



E-27



P[W]

60W



IP54



#

1

Remarks: Dimensions: 190/110/110mm

D.3182 - transparent lampshade

D.3182C - Red lampshade

## Lamp housing ALFA, TRIO, RIVA



E-27



#

1

Norm: PN-EN 60598-1:2011

### Lamp housing DORA



D.3179M

D.3179



230V



P[W]

max 100W



IP54



#

1

Remarks: Transparent lampshade

D.3179M - Lamp housing DORA with metal net, D.3179 - DORA without metal net, E27 ceramic lamp holder, Norm: PN-EN 60598-1:2011

Dimensions: D.3179M: 210/97 mm, D.3179: 210/107 mm

### Lamp housing RIVA



D.3177

D.3177M



235mm



100mm



IP44



P[W]

230V

max 100W

Remarks: 3 inputs, 3 x WN13 glands

D.3177 - Transparent lampshade, D.3177M - Matt lampshade

### Lamp housing RIVA with motion sensor



230V

D.3177R

24V

D.3177R/24V



235mm



100mm



IP44



P[W]

max 25W

Remarks: 3 inputs, 3 x WN13 glands

D.3177R - lamp housing ~230V with motion sensor D.3407, Transparent lampshade

D.3177R/24V - lamp housing ~24V with motion sensor D.3408, Transparent lampshade



## Lighting equipment

230V

## Lamp Housing

Lamp housing OWAL60, plastic net



D.3151

D.3151S

D.3151C



E27



max 60W



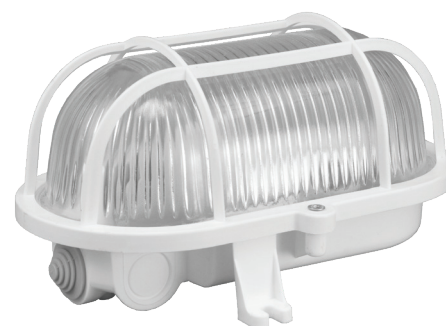
IP44



12/1

Remarks: transparent lampshade  
 Dimensions: 170/110/125 mm  
 E27 ceramic, Norm: PN-EN 60598-1

Lamp housing OWAL100, plastic net



D.3155



E27



max 100W



IP44



10/1

Remarks: transparent lampshade  
 Dimensions: 202/109/135mm  
 E27 ceramic, Norm: PN-EN 60598-1

230V

## Lamp housing with metal net

Lamp housing OWAL60, metal net



D.3166

D.3166C

D.3166S



E27



max 60W



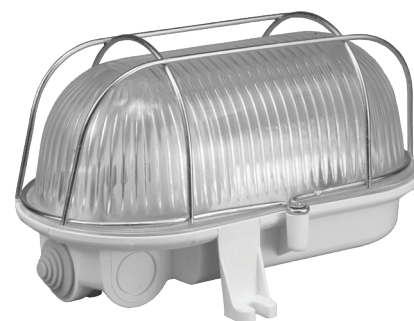
IP44



12/1

Remarks: transparent lampshade  
 Dimensions: 170/115/125 mm  
 E27 ceramic, Norm: PN-EN 60598-1

Lamp housing OWAL100, metal net



D.3152



E27



max 100W



IP44



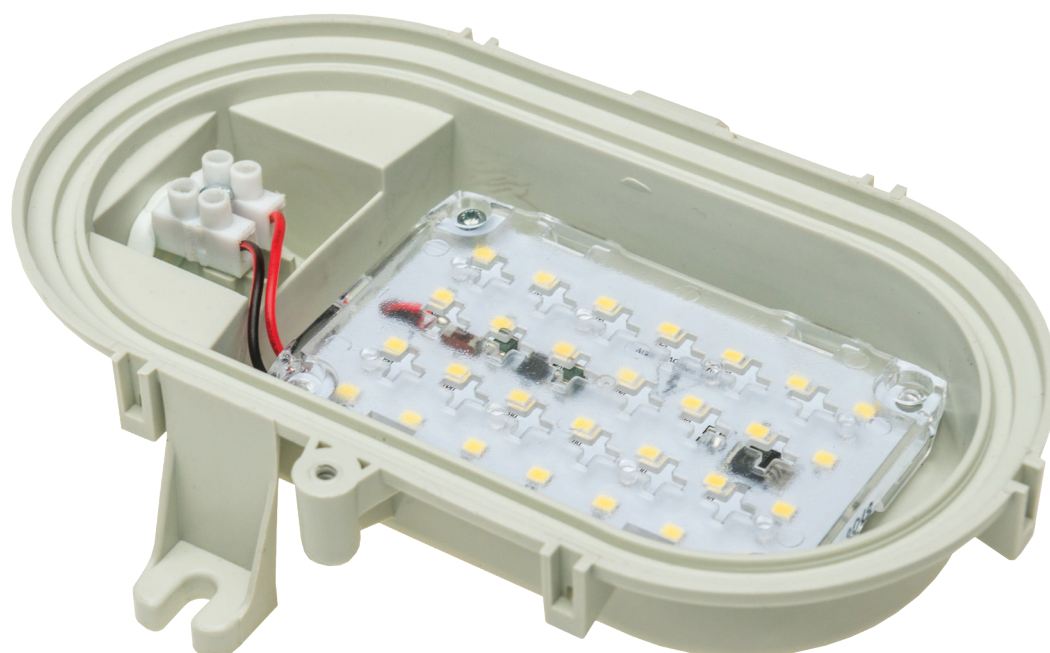
10/1

Remarks: transparent lampshade  
 Dimensions: 195/115/135mm  
 E27 ceramic, Norm: PN-EN 60598-1

230V

LED Lamp Housing OWAL SLIM LED

LED



D.3165-BN-5W

D.3165-BN-5W/24V

P [W]

IP44

#

5W

12/1

Remarks: Lamp housing includes a light diffuser.  
Dimensions: 179x125x56 mm  
Power: D.3165-BN-5W: 230V AC, D.3165-BN-5W/24V: 24V AC / DC

## Motion sensors

## Radar motion sensors

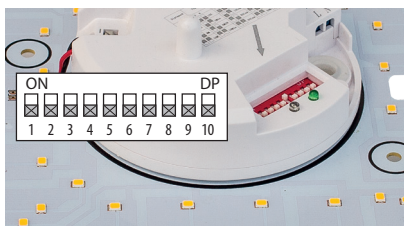
Radar motion sensors (microwave) use a frequency band of 5.6 GHz - emit a wave and detecting a echo change of this wave (Doppler effect). Change of echo is the frequency change of the wave due to changes in the relative positions of the wave source and the receiver. This allows to detect motion even through plates of glass, thin walls and doors. Applying voltage to the lamp is controlled by a microprocessor.

## Radar motion sensors with corridor function

Refers to: PANTERA LED, AFRODYTA LED, PANDA ROUND LED, PANDA KARO LED, ERIS, IRYS, JUNONA containing LED panels with power of 9W, 13W, 20W and light color of white neutral or cold, equipped with motion sensors with corridor function.

The corridor function allows after the movement disappearance, instead of complete shutdown of the light source - LED dimming to a specified threshold - 0% (total OFF), 10%, 20% and 30%. The sensor have adjustable parameters - detection range, operating time of the light source since the movement disappearance, taking into account the ambient light conditions and control of the dimming parameters – intensity of light and dimming time.

## Simple programming of radar motion sensor



Distance		Time		Light	
1	2	3	4	5	6
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3m		10s		day	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5m		1min		10Lux	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8m		5 min		30Lux	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10m		10min		50Lux	

## Corridor function

Half brightness		Semi bright time	
7	8	9	10
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
0%		24h	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10%		1min	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20%		30min	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
30%		60min	

## Radar motion sensors - what is most important during installation?

- » Avoid installation near the zone air temperature changes, for example near air conditioning, central heating etc.
- » Avoid installation near the premises situated in the immediate vicinity of the busy street - moving vehicles can interfere the sensor functioning,
- » Install as far away from windows and doors, because the sensor can capture traffic outside the room,
- » Do not install in the same room two radar sensors at the same frequency, sensors can interfere with each other's work.



## Built-in motion sensors



Most LED lamp housing offered by the company PAWBOL Sp. z o.o. is also available in versions with a built-in motion sensor

## Motion sensors



Name:	Radar motion sensor MINI	Radar motion sensor
Type, Catalogue No.	D.3407M	D.3407
Supply voltage:	~220-240V AC, 50-60Hz	~220-240V AC, 50-60Hz
Rated power:	0,9 W	0,9 W
Rated load:	1200W	1200W
Wave radiation power:	<10mW	<10mW
Wave frequency:	5,8 GHz	5,8 GHz
Operation angle in ceiling position:	360°	360°
Range:	1-8m	1-8m
Operating time:	8 sec. -12 min.	8 sec. -12 min.
Functional range:	2-2000 Lx	2-2000 Lx
Dimensions:	70 x 42 x 40 mm	90 x 42 x 44 mm



## LED Lamps SILVER LINE



75mm



6,2mm

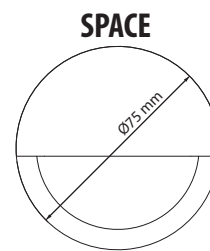


12V

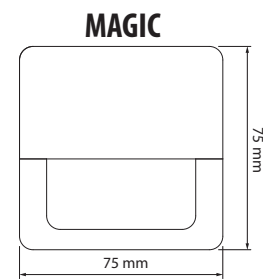


IP30

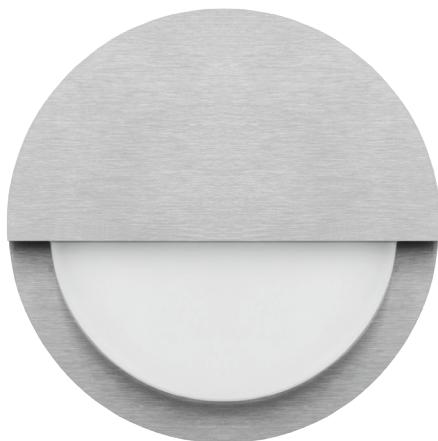
- ✓ Supply voltage: 12V DC
- ✓ Power consumption: 0,8 W
- ✓ Light colour: white cold 6500K / white warm 3000K
- ✓ Ingress protection: IP30
- ✓ Material: brushed stainless steel 0,6 mm
- ✓ Mounting version: mounting boxes



SPACE



MAGIC



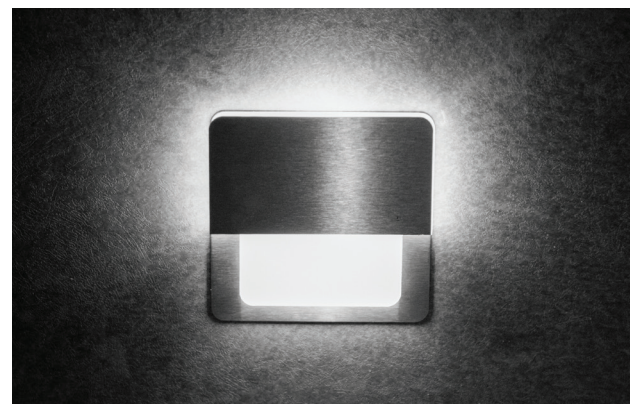
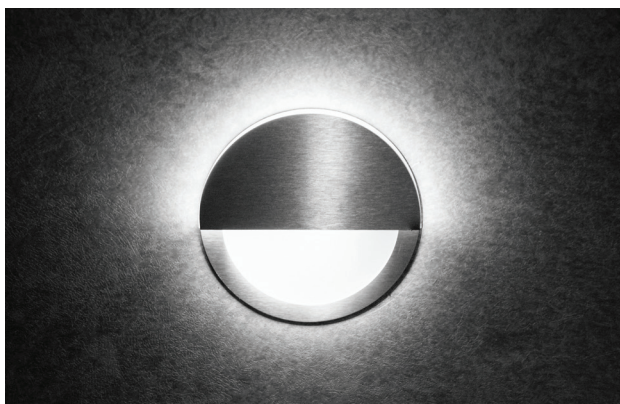
SPACE

Ø75 mm  
D.SL.SP.BZ  
D.SL.SP.BC



MAGIC

□75 mm  
D.SL.MA.BZ  
D.SL.MA.BC



9V

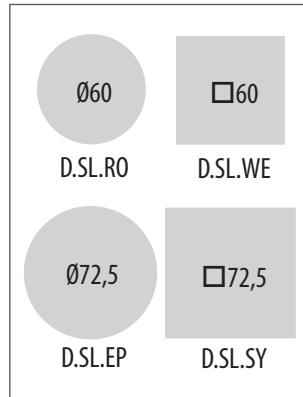
## LED Lamp STARS LINE Series

Norm: PN-EN 61547

Description	SYRIUSZ	WENUS	EPSILON	ROSS
Type, Catalogue No.	D.SL.SY	D.SL.WE	D.SL.EP	D.SL.RO
Housing colour	01, 04			
Light colour	BC, BZ			
Mount	P			
Power consumption	0,72W	0,36W	0,72W	0,36W
Ingress protection	IP 20			
Dimensions [A]/[B]/[C]	72,5x72,5x12 mm	60x60x12 mm	Ø72,5x12 mm	Ø60x12 mm
Power supply - DC	9V -			
Norm	PN-EN 61547			

LED

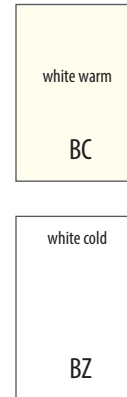
LED lamp - type



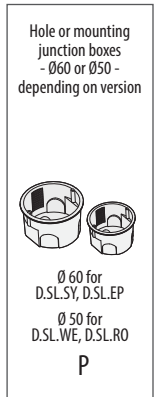
Housing colour



LED light colour



Mounting version



Catalogue number :



Design and numeration examples :



D.SL.RO.01.BZ.P



D.SL.WE.04.BZ.P



D.SL.EP.04.BC.P

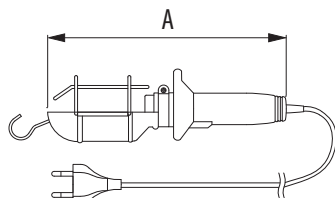


D.SL.SY.01.BC.P

## Hand lamps PL-2 i PL-3 type



Protection class: 2 Norm: PN-EN 60598-1, PN-EN 60598-2-8



- » New improved portable hand lamps equipped with a polychloroprene wire sheath (rubber) - adapted to European Law in accordance with PN-EN 60598-2-8:2000 / A2: 2008
- » Portable hand lamps with a cable in the polychloroprene shell (rubber) are characterized by higher mechanical strength compared to lamps with a cable in the polyvinyl chloride shell and a significant increase safety during use

Hand Lamp

Typ PL-2

IP20



D.3036G



Remarks: wire: H05RN-F2x0,75

Hand Lamp

Typ PL-3

IP20



D.3037G



Remarks: wire: H05RN-F2x0,75

Hand Lamp

Typ PL-2

IP20



D.3031G



Remarks: wire: H05RN-F2x0,75

Hand Lamp

Typ PL-3

IP20



D.3032G



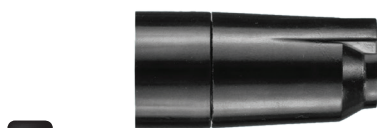
Remarks: wire: H05RN-F2x0,75

## Lighting equipment

## Lamp holder, bakelite

Norm: PN-EN 60238

Lamp holder, bakelite E14



D.3001



Remarks: Attach diameter: M10x1

Lamp holder, bakelite E27



D.3002



Remarks: Attach diameter: M10x1

## Adapters

Norm: PN-EN 60238

Adapter E27/E14



D.3105



Remarks:

Adapter E14/GU10



D.3106



Remarks:

Adapter E27/GU10



D.3107



Remarks:

## Lamp holder, thermoplastic

Norm: PN-EN 60238

Lamp holder thermoplastic E-14



D.3004

D.3004B



Remarks: Attach diameter: M10x1

Lamp holder thermoplastic E27



D.3005

D.3005B



Remarks: Attach diameter: M10x1

Lamp holder thermoplastic E27 with wire  
2x0,75mm<sup>2</sup>

D.3006MA

Remarks: Attach diameter: M10x1  
Wire length(2x0,75mm<sup>2</sup>): 190 mm

## Lamp holder, metal

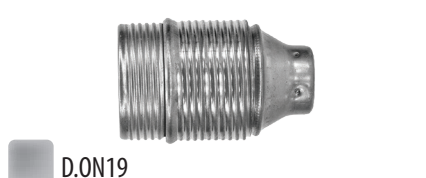
Norm: PN-EN 60238

Lamp holder, metal ON20 E27 with flange



Remarks: Attach diameter: M10x1

Lamp holder, metal ON19 E27



Remarks: Attach diameter: M10x1

## Lamp holders, porcelain

Norm: PN-EN 60238

Lamp holder, porcelain E27 typ 426



Remarks:

Lamp holder, porcelain



Remarks:

Lamp holder GU10 porcelain LED / halogen

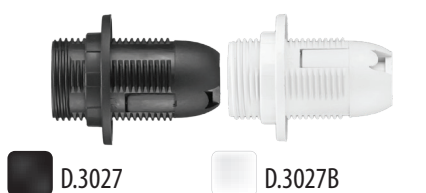


Remarks: wire length: 90-130mm

## Lamp holder, thermoplastic

Norm: PN-EN 60238

Lamp holder thermoplastic E14 with flange



Remarks: Attach diameter: M10x1

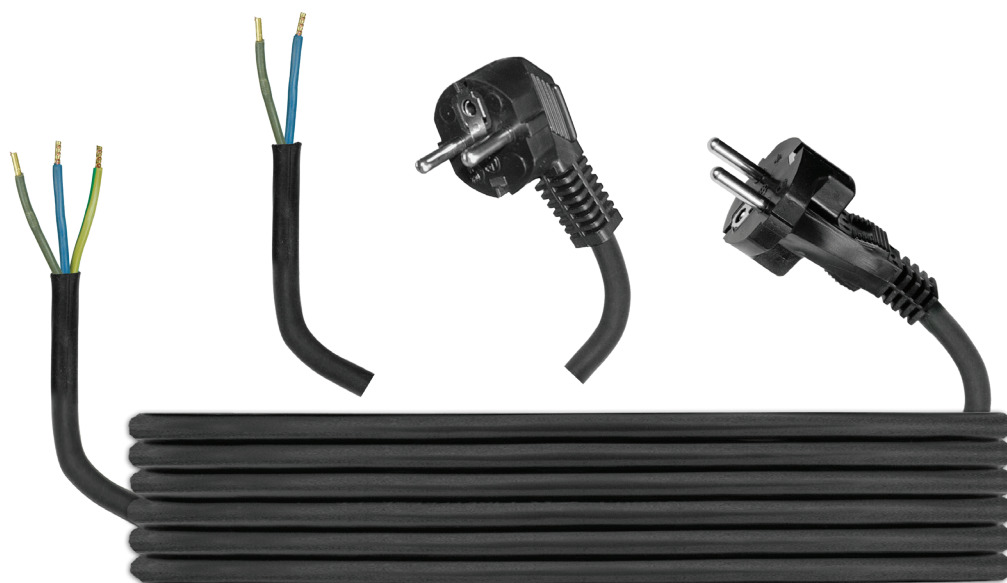
Lamp holder thermoplastic E27 with flange



Remarks: Attach diameter: M10x1



## Connecting wire



Connecting wire, molded plug

 black colour Connecting wire - H05RRR rubber

Cat no. - black colour	Type	Plug	Wire length
D.3500	Connecting wire H05RR F2x1	plain	1,5 m
D.3501	Connecting wire H05RR F2x1	plain	3 m
D.3502	Connecting wire H05RR F2x1	plain	5 m
D.3503	Connecting wire H05RR F3x1	plain	1,5 m
D.3504	Connecting wire H05RR F3x1	plain	3 m
D.3505	Connecting wire H05RR F3x1	plain	5 m
D.3506	Connecting wire H05RR F3x1,5	plain	1,5 m
D.3507	Connecting wire H05RR F3x1,5	plain	3 m
D.3508	Connecting wire H05RR F3x1,5	plain	5 m
D.3509	Connecting wire H05RR F2x1,5	plain	1,5 m
D.3510	Connecting wire H05RR F2x1,5	plain	3 m
D.3511	Connecting wire H05RR F2x1,5	plain	5 m
D.3526	Connecting wire H05RR F3x2,5	plain	1,5 m
D.3527	Connecting wire H05RR F3x2,5	plain	3 m
D.3528	Connecting wire H05RR F3x2,5	plain	5 m

 black colour  white colour Connecting wire - H05VV igielit

Cat no. - black colour	Cat no. - white colour	Typ	Plug	Wire length
D.3517		Connecting wire H05VV F2x1	plain	5 m
	D.3520B	Connecting wire H05VV F3x1	plain	5 m
D.3522		Connecting wire H05VV F3x1,5	plain	3 m
D.3523		Connecting wire H05VV F3x1,5	plain	5 m

## PG cable glands IP67 and MG metric cable glands IP67

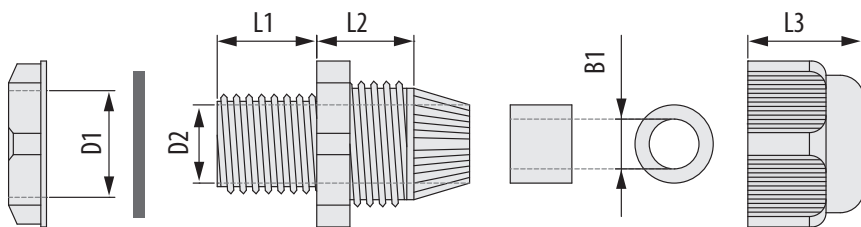
IP67

### PG cable glands IP67

Catalogue number	Type	Ø assembly	D1	D2	B1	L1	L2	L3	Wire diameter	Spanner	Norm	Quantity in package
	[-]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[-]	[-]
D.3070	PG-7	12,5	11,7	8,5	6	8	14,5	14,3	3,5 - 6,0	16 / 18	DIN 40430	50
D.3071	PG-9	15,2	14	11	8,5	8,1	16,5	15,3	6,0 - 8,0	18 / 22	DIN 40430	50
D.3072	PG-11	18,3	17,6	13,2	9,6	8,5	16,5	16,8	8,0 - 10,0	22 / 24	DIN 40430	50
D.3073	PG-13,5	19,5	18,5	15,2	12,2	8,6	17,5	19,5	10,0 - 12,0	24 / 26	DIN 40430	50
D.3074	PG-16	22,5	21,2	17,2	14,5	10	17,5	18,1	12,0 - 14,0	26 / 30	DIN 40430	50
D.3075	PG-21	28,2	27,1	22	18,5	11	19,5	23,5	14,0 - 18,0	32 / 36	DIN 40430	50
D.3076	PG-29	37,2	35,9	30,6	25,5	11,5	23	25,5	18,0 - 25,0	42 / 45	DIN 40430	10
D.3077	PG-36	47,2	45,8	38,9	33,3	14,4	25	29,5	25,0 - 32,0	51 / 58	DIN 40430	10
D.3078	PG-42	53,9	52,2	46,5	39,6	15,2	26,5	30,5	32,0 - 38,0	60 / 64	DIN 40430	10
D.3079	PG-48	59,3	58,2	49,0	45,1	15,2	27,0	30,0	38,0 - 44,0	64 / 68	DIN 40430	10

### MG metric cable glands IP67

Catalogue number	Type	Ø assembly	D1	D2	B1	L1	L2	L3	Wire diameter	Spanner	Norm	Quantity in package
	[-]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[-]	[-]
D.3088	M12	12	10	8	6	7,5	14,7	15,5	3,0 - 6,5	16 / 18	PN-EN 50262	25
D.3089	M16	16	14,3	10,7	8	7,5	14,7	15,3	6,5 - 8,0	19 / 22	PN-EN 50262	50
D.3080	M20	20	18,5	14,7	12	9,5	17	18,2	8,0 - 12,0	24 / 27	PN-EN 50262	25
D.3081	M25	25	23,3	19	18	10	20	23,5	12,0 - 18,0	32 / 32	PN-EN 50262	25
D.3082	M32	32	30,4	24	25	11	20	21,5	18,0 - 24,0	36 / 38	PN-EN 50262	10
D.3083	M40	40	38,1	33	32	15	17	29,5	24,0 - 32,0	51 / 50	PN-EN 50262	10
D.3090	M50	50	38	38	40	14	24	32,5	32,0 - 38,0	60 / 68	PN-EN 50262	10
D.3091	M63	63	61,7	54	45	14	35	40,5	38,0 - 45,0	70 / 76	PN-EN 50262	10



### PG rubber cable glands

Catalogue number	Type	Ø assembly	Norm	Quantity in package
	[-]	[mm]	[-]	[-]
D.3410	PG-13,5	20,5	DIN 40430	1
D.3411	PG-16	22	DIN 40430	1
D.3412	PG-21	29	DIN 40430	1
D.3413	PG-29	37	DIN 40430	1



# Lighting equipment

## Power strip

250V I [A] 16A 1

Cover for socket (quantity - 5 item) + key



D.3800

Power strip 2x2P



D.3802



Power strip 2x2P+Z



D.3803



Power strip 3x2P



D.3804



Power strip 3x2P+Z



D.3805



## Plugs

PP PE 250V

Norm: PN-IEC 60884-1

Flat plug without grounding



D.3104

D.3104C



10A/250V

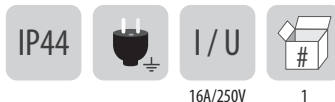
1

Remarks: Standard for device class II

WT-16 plug with grounding



D.3101N



16A/250V

1

Remarks: Standard UNI-SCHUKO

## Sockets

PP PE 250V

Norm: PN-IEC 60884-1

Flat socket without grounding



D.3109

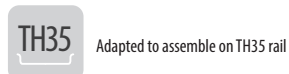
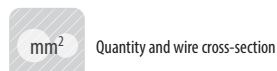
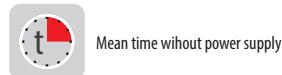
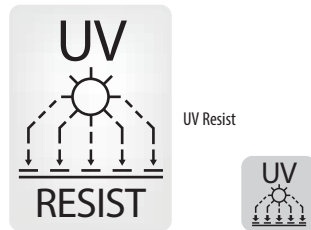
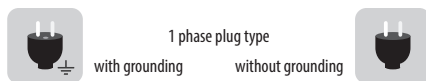
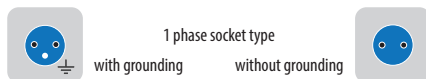
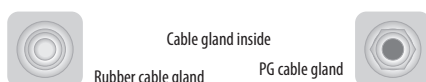
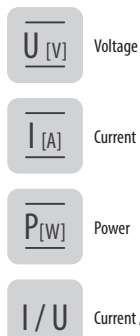
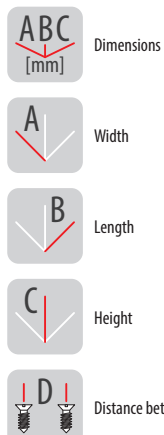
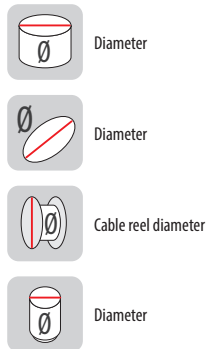
D.3109C



10A/250V

1

Remarks: Standard for device class II



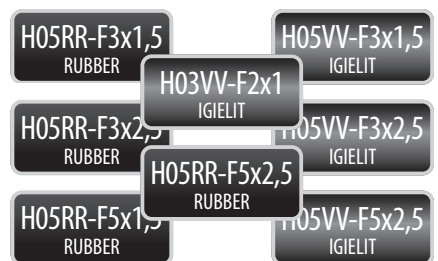
## Voltage pictograms



## Pictograms IP - ingress protection



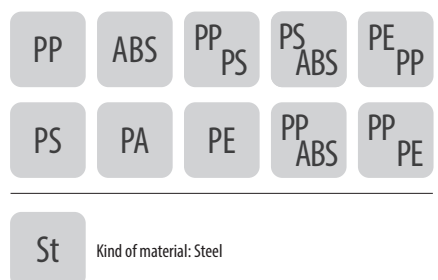
## Pictograms - wire type



## Pictograms - main colours of product



## Pictograms - type of material





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