

... inspired by you



**LED**   
Technology of saving

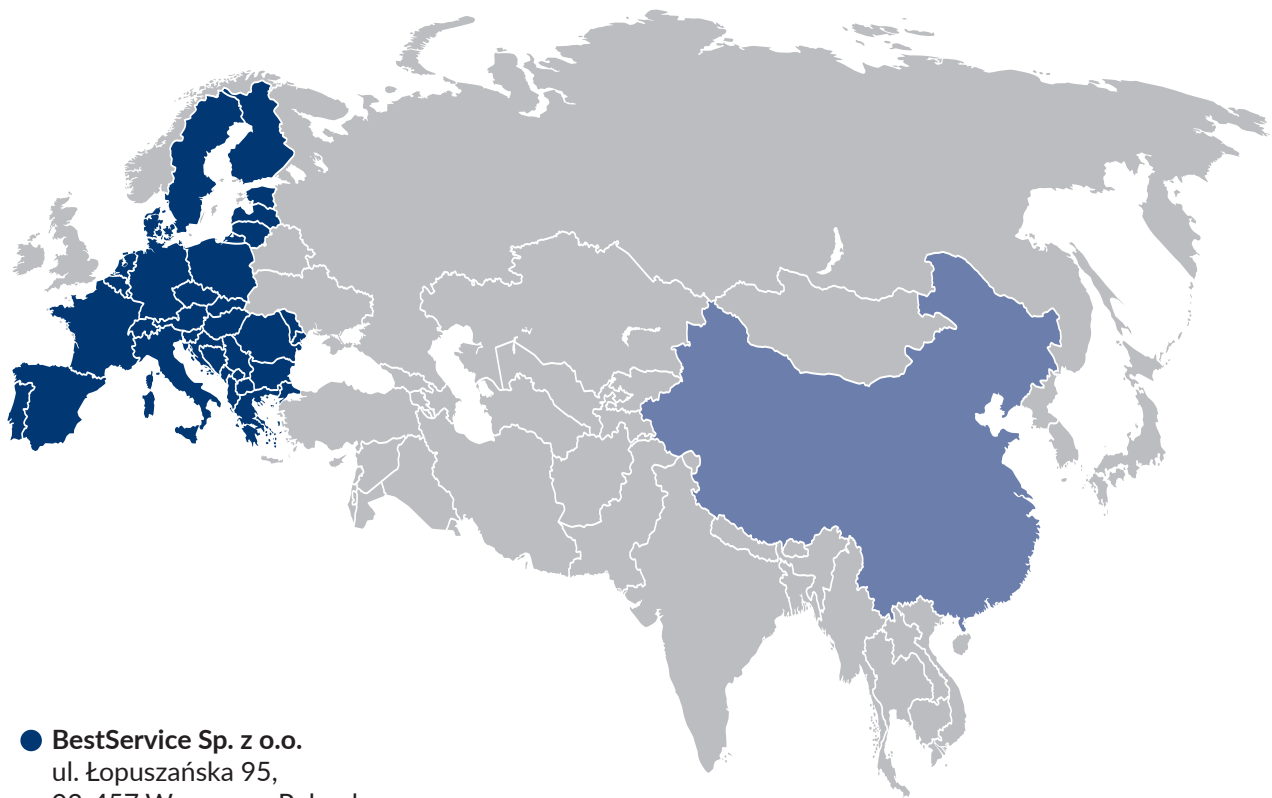


# Catalogue 2023



[www.hedalighting.eu](http://www.hedalighting.eu)

Heda is a thriving European brand of LED lighting. From the very beginning we have been putting a great emphasis on the quality of the products sold. Our products contain chips made only by the world's leading LED manufacturers. All products meet the strict quality requirements in accordance with the directives of the European Union, which guarantees an opportunity of our product usage for many years. We are inspired by changes in the lighting industry and that is why not only do we catch the wave but also we are moving beyond. Our goal is to meet the most demanding clients' needs as also the environment protection. Our products are available from warehouses in Poland, Greece and China.



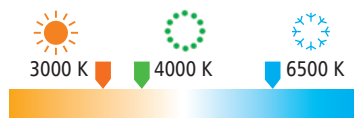
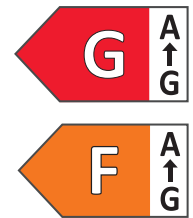
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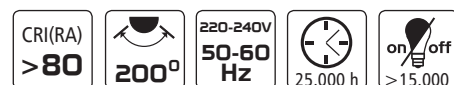
Smooth light without flickering



### LED Bulbs - candels and small bulbs

Index	Type	Power	Base	Lumen	Voltage	CRI	Lighting angle	Temperature	Lifetime	ON/OFF	Lamp size
HD021	C37	3W	E14	250	175-250V	>80	200°	3000K	25000 h	> 15 000	37x131mm
HD053	C37	6W	E14	510	220-240V	>80	200°	3000K	25000 h	> 15 000	37x100mm
HD058	C37	6W	E14	510	220-240V	>80	200°	4000K	25000 h	> 15 000	37x100mm
HD060	C37	6W	E14	510	220-240V	>80	200°	6500K	25000 h	> 15 000	37x100mm
HD055	C37	8W	E14	806	220-240V	>80	200°	3000K	25000 h	> 15 000	37x108mm
HD077	C37	8W	E14	806	220-240V	>80	200°	4000K	25000 h	> 15 000	37x108mm
HD066	C37	8W	E14	806	220-240V	>80	200°	6500K	25000 h	> 15 000	37x108mm
HD050	G45	6W	E14	510	220-240V	>80	200°	3000K	25000 h	> 15 000	45x78mm
HD051	G45	6W	E14	510	220-240V	>80	200°	4000K	25000 h	> 15 000	45x78mm
HD063	G45	6W	E14	510	220-240V	>80	200°	6500K	25000 h	> 15 000	45x78mm
HD052	G45	6W	E27	510	220-240V	>80	200°	3000K	25000 h	> 15 000	45x76mm
HD062	G45	6W	E27	510	220-240V	>80	200°	6500K	25000 h	> 15 000	45x76mm
HD056	G45	8W	E14	806	220-240V	>80	200°	3000K	25000 h	> 15 000	45x78mm
HD057	G45	8W	E14	806	220-240V	>80	200°	4000K	25000 h	> 15 000	45x78mm
HD065	G45	8W	E14	806	220-240V	>80	200°	6500K	25000 h	> 15 000	45x78mm

Housing - thermally conductive plastic + aluminum radiator  
 Obudowa - plastik termoprzewodzący + aluminiowy radiator



Stabilne światło bez migotania

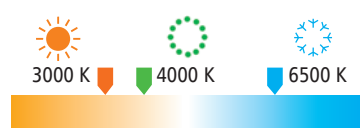
~85%  
Energy  
Save



7W

9W   
11W

15W   
17W



## LED Bulbs - standard A55, A60 and A65

Index	Type	Power	Base	Lumen	Voltage	CRI	Lighting angle	Temperature	Lifetime	ON/OFF	Lamp size
HD100	A55	7W	E27	600	220-240V	>80	200°	3000K	25000 h	>15 000	55x100mm
HD120	A55	7W	E27	605	220-240V	>80	200°	4000K	25000 h	>15 000	55x100mm
HD110	A55	7W	E27	630	220-240V	>80	200°	6500K	25000 h	>15 000	55x100mm
HD101	A60	9W	E27	806	220-240V	>80	200°	3000K	25000 h	>15 000	60x108mm
HD121	A60	9W	E27	810	220-240V	>80	200°	4000K	25000 h	>15 000	60x108mm
HD111	A60	9W	E27	815	220-240V	>80	200°	6500K	25000 h	>15 000	60x108mm
HD102	A60	11W	E27	1050	220-240V	>80	200°	3000K	25000 h	>15 000	60x110mm
HD122	A60	11W	E27	1055	220-240V	>80	200°	4000K	25000 h	>15 000	60x110mm
HD112	A60	11W	E27	1080	220-240V	>80	200°	6500K	25000 h	>15 000	60x110mm
HD103	A65	15W	E27	1500	220-240V	>80	200°	3000K	25000 h	>15 000	65x134mm
HD123	A65	15W	E27	1520	220-240V	>80	200°	4000K	25000 h	>15 000	65x134mm
HD113	A65	15W	E27	1570	220-240V	>80	200°	6500K	25000 h	>15 000	65x134mm
HD105	A65	17W	E27	1710	220-240V	>80	200°	3000K	25000 h	>15 000	65x134mm
HD125	A65	17W	E27	1720	220-240V	>80	200°	4000K	25000 h	>15 000	65x134mm
HD115	A65	17W	E27	1750	220-240V	>80	200°	6500K	25000 h	>15 000	65x134mm



Housing - thermally conductive plastic + aluminum radiator  
Obudowa - plastik termoprzewodzący + aluminiowy radiator



A60

12W



A60

12W



### LED Bulbs - standard A60

HD122S	A60	12W	E27	1200	220-240V	>80	200°	4000K	25000 h	>15 000	60x126mm
HD112S	A60	12W	E27	1200	220-240V	>80	200°	6500K	25000 h	>15 000	60x126mm

Housing - thermally conductive plastic + aluminum radiator  
 Obudowa - plastik termoprzewodzący + aluminiowy radiator



25.000 h >15.000



# Źródła LED



Stabilne światło bez migotania

~85%  
Energy  
Save



MR16

4,5W



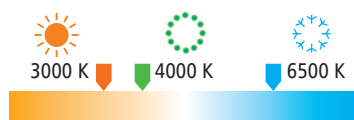
MR16

5,5W



MR16

7,5W



LED Bulbs - reflector MR16

Index	Type	Power	Base	Lumen	Voltage	CRI	Lighting angle	Temperature	Lifetime	ON/OFF	Lamp size
HD220	MR16	4,5W	GU10	400	220-240V	>80	120°	3000K	25000h	> 15 000	50x56mm
HD221	MR16	4,5W	GU10	415	220-240V	>80	120°	6500K	25000h	> 15 000	50x56mm
HD230	MR16	5,5W	GU10	500	220-240V	>80	120°	3000K	25000h	> 15 000	50x56mm
HD232	MR16	5,5W	GU10	510	220-240V	>80	120°	4000K	25000h	> 15 000	50x56mm
HD231	MR16	5,5W	GU10	515	220-240V	>80	120°	6500K	25000h	> 15 000	50x56mm
HD243	MR16	7,5W	GU10	700	220-240V	>80	120°	3000K	25000h	> 15 000	50x56mm
HD245	MR16	7,5W	GU10	700	220-240V	>80	120°	4000K	25000h	> 15 000	50x56mm
HD244	MR16	7,5W	GU10	720	220-240V	>80	120°	6500K	25000h	> 15 000	50x56mm

Housing - thermally conductive plastic + aluminum radiator  
Obudowa - plastik termoprzewodzący + aluminiowy radiator



\*CRI (RA) > 80

\* współczynnik oddawania barw (ang. color rendering index). Zgodnie z dyrektywami Unii Europejskiej na jej terenie nie można używać źródeł światła o CRI mniejszym niż 80 w pomieszczeniach gdzie dłużej przebywa człowiek. Zbyt niskie CRI powoduje szybsze zmęczenie wzroku i ma negatywny wpływ na zdrowie.





~85%  
Energy  
Save

Power	8W => 50W	8W => 50W
Voltage	180-260V	180-260V
CRI	>80	>80
Lifetime	25 000 H	25 000 H
ON/OFF	> 15 000	> 15 000
Lamp size	ø78x52 mm	ø78x52 mm



**HDW083MN** **HDW083MC**



Lumen	640	640
Lighting angle	60°	60°
Temperature	4000 K	6500 K

**HDW081WN** **HDW081WC**



Lumen	720	720
Lighting angle	100°	100°
Temperature	4000 K	6500 K

8W   50W	IP40	640 lumen	180-260V 50-60 Hz	CRI(RA) >80	PF >0.5	25.000 h	on/off >15 000	Hole < 65mm >
8W   50W	IP40	640 lumen	180-260V 50-60 Hz	CRI(RA) >80	PF >0.5	25.000 h	on/off >15 000	Hole < 65mm >

4000 K cold light 6000 K



~85%  
Energy  
Save

Power	8W => 50W	8W => 50W
Voltage	180-260V	180-260V
CRI	>80	>80
Lifetime	25 000 H	25 000 H
ON/OFF	> 15 000	> 15 000
Lamp size	ø74x52 mm	ø74x52 mm

**HDW084MN** **HDW084MC**



Lumen	640	640
Lighting angle	60°	60°
Temperature	4000 K	6500 K

**HDW082MN** **HDW082MC**



Lumen	640	640
Lighting angle	60°	60°
Temperature	4000 K	6500 K



8W   50W	IP40	640 lumen	180-260V 50-60 Hz	CRI(RA) >80	PF >0.5	25.000 h	on/off >15 000	Hole < 65mm >
8W   50W	IP40	640 lumen	180-260V 50-60 Hz	CRI(RA) >80	PF >0.5	25.000 h	on/off >15 000	Hole < 65mm >



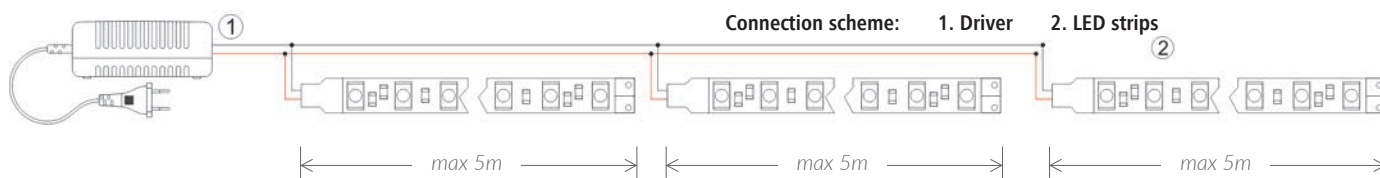
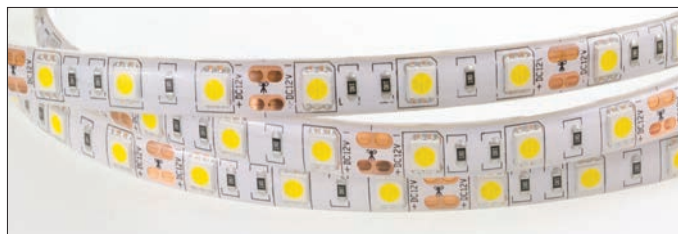
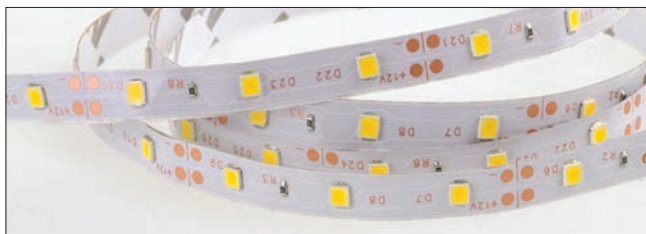
# LED strips DC 12V



## Taśmy LED DC 12V

LED size 2835 | 60 SMD/m | IP20/IP65 | 5mx8mm

LED size 5050 | 60 SMD/m | IP20/IP65 | 5mx10mm



The maximum length of the LED strip connected to one power supply can not exceed 5m. In the case of longer installations, the strips should be connected in parallel, see scheme above.

Maksymalna długość taśmy LED podłączonej do jednego zasilacza nie może przekraczać 5m. W wypadku dłuższych instalacji, taśmy należy podłączyć równolegle, jak na schemacie powyżej.

3000 K warm light | cold light 6500 K | 3000 K warm light | cold light 6500 K | RGB

~85% Energy Save

IP 20

A ↑ G

LED size	2835	2835	5050	5050	5050
Power / m	< 4.8W	< 4.8W	< 14,4W/m	< 14,4W/m	< 14.4W
Lumen / m	250	250	360	360	300
SMD / m	60	60	60	60	60
Voltage	12V DC	12V DC	12V DC	12V DC	12V DC
CRI	>70	>70	>70	>70	>70
Lighting angle	120°	120°	120°	120°	120°
Temperature	3000 K	6500 K	3000 K	6500 K	RGB
IP	20	20	20	20	20
Cut-cut lenght	5 cm	5 cm	5 cm	5 cm	5 cm
Lenght / width	5m / 8mm	5m / 8mm	5m / 10mm	5m / 10mm	5m / 10mm
	<b>HS010</b>	<b>HS012</b>	<b>HS050</b>	<b>HS052</b>	<b>HS059</b>

~85% Energy Save

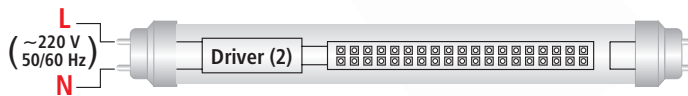
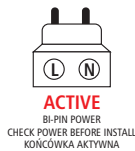
IP 65

A ↑ G

LED size	2835	2835	5050	5050	5050
Power / m	< 4.8W	< 4.8W	< 14.4W	< 14.4W	< 14.4W
Lumen / m	250	250	360	360	360
SMD / m	60	60	60	60	60
Voltage	12V DC	12V DC	12V DC	12V DC	12V DC
CRI	>70	>70	>70	>70	>70
Lighting angle	120°	120°	120°	120°	120°
Temperature	3000 K	6500 K	3000 K	6500 K	RGB
IP	65	65	65	65	65
Cut-cut lenght	5 cm	5 cm	5 cm	5 cm	5 cm
Lenght / width	5m / 8mm	5m / 8mm	5m / 10mm	5m / 10mm	5m / 10mm
	<b>HS020</b>	<b>HS022</b>	<b>HS060</b>	<b>HS062</b>	<b>HS069</b>



**Fireproof V1**  
Ognioodporne końcówki V1



**T8**

PF **>0.7**

CRI(RA) **>80**

**180°**

220-240V  
50-60 Hz

**G13**

25.000 h

on/off  
>15.000

4000 K natural light | cold light 6500 K | 4000 K natural light | cold light 6500 K | 4000 K natural light | cold light 6500 K

**~50%  
Energy  
Save**

Power	9W	9W	18W	18W	20W	20W
Lumen	900	900	1850	1850	2100	2100
Voltage	220-240V	220-240V	220-240V	220-240V	220-240V	220-240V
CRI	>80	>80	>80	>80	>80	>80
Lighting angle	180°	180°	180°	180°	180°	180°
Temperature	4000 K	6500 K	4000 K	6500 K	4000 K	6500 K
Lifetime	25 000 H	25 000 H	25 000 H	25 000 H	25 000 H	25 000 H
ON/OFF	> 15 000	> 15 000	> 15 000	> 15 000	> 15 000	> 15 000
Lamp size	600 mm	600 mm	1200 mm	1200 mm	1500 mm	1500 mm
	<b>HDT109NGL</b>	<b>HDT109CGL</b>	<b>HDT118NGL</b>	<b>HDT118CGL</b>	<b>HDT120NGL</b>	<b>HDT120CGL</b>

Nie używać w oprawach ze statecznikiem elektronicznym lub magnetycznym. Przed instalacją należy usunąć z oprawy statecznik.  
Do not use with electronic or magnetic ballast. Remove ballast before installation.



# Dustproof lighting fitting for T8 LED tubes



## Oprawa hermetyczna na tuby LED T8

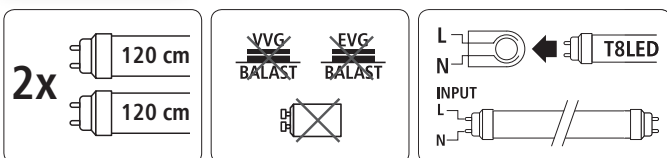


Tube type	2xT8 LED	2xT8 LED
Tube size	120 cm	120 cm
Tube number	2	2
Base	G13	G13
IP	65	65
Lamp size	1260x107x61mm	1260x107x61mm
Net weight	0,98 kg	0,98 kg
	<b>HDL236</b>	<b>HDL236RF</b>

**+ REFLECTOR**  
Zwiększony strumień świetlny  
Increases luminous flux



**ABS + PS**



Oprawa nie zawiera tub LED  
Fixture doesn't contain LED tubes



\*CRI (RA) > 80

\* współczynnik oddawania barw (ang. color rendering index). Zgodnie z dyrektywami Unii Europejskiej na jej terenie nie można używać źródeł światła o CRI mniejszym niż 80 w pomieszczeniach gdzie dłużej przebywa człowiek. Zbyt niskie CRI powoduje szybsze zmęczenie wzroku i ma negatywny wpływ na zdrowie.



## LED T5 Batten with on/off switch

Listwa LED T5 z przełącznikiem on/off

~50%  
Energy  
Save



<b>8W</b>	IP 20 IK 02	<b>680 lumen</b>	180°	180-256V 50Hz	CRI(RA) >80	PF >0.5	25.000 h	on/off
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<b>10W</b>	IP 20 IK 02	<b>850 lumen</b>	180°	180-256V 50Hz	CRI(RA) >80	PF >0.5	25.000 h	on/off
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<b>14W</b>	IP 20 IK 02	<b>1180 lumen</b>	180°	180-256V 50Hz	CRI(RA) >80	PF >0.5	25.000 h	on/off
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### Included accessories



Power	8W	8W	10W	10W	14W	14W
Lumen	680	680	850	850	1180	1180
Voltage	180-256V	180-256V	180-256V	180-256V	180-256V	180-256V
CRI	>80	>80	>80	>80	>80	>80
Lighting angle	180°	180°	180°	180°	180°	180°
Temperature	4000 K	6500 K	4000 K	6500 K	4000 K	6500 K
Lifetime	25 000 H	25 000 H	25 000 H	25 000 H	25 000 H	25 000 H
ON/OFF	> 15000	> 15000	> 15000	> 15000	> 15000	> 15000
Lamp size	600 mm	600 mm	900 mm	900 mm	1200 mm	1200 mm
	<b>HDT508N</b>	<b>HDT508C</b>	<b>HDT510N</b>	<b>HDT510C</b>	<b>HDT514N</b>	<b>HDT514C</b>



# Outdoor LED Bulkhead

Natynkowe oprawy zewnętrzne



IP65



3000 K warm light

~85% Energy Save

Power	15W
Lumen	1200
Voltage	220 - 240 V
CRI	>80
Lighting angle	120°
Temperature	3000 K
Lifetime	25 000 H
ON/OFF	> 15 000
Lamp size	ø167 x 62 mm

**HBL1501**

15W → 150W 39W | IP 65 | IK 08

1200 lumen | 120° | 220-240V 50-60 Hz | CRI(RA) >80

PF >0.5 | 25.000 h | on/off >15 000 | 100% w<1s



IP65



3000 K warm light

~85% Energy Save

Power	15W
Lumen	1200
Voltage	220 - 240 V
CRI	>80
Lighting angle	120°
Temperature	3000 K
Lifetime	25 000 H
ON/OFF	> 15 000
Lamp size	220x120x65mm

**HBL1502**

15W → 150W 39W | IP 65 | IK 08

1200 lumen | 120° | 220-240V 50-60 Hz | CRI(RA) >80 | PF >0.5 | 25.000 h | on/off >15 000 | 100% w<1s





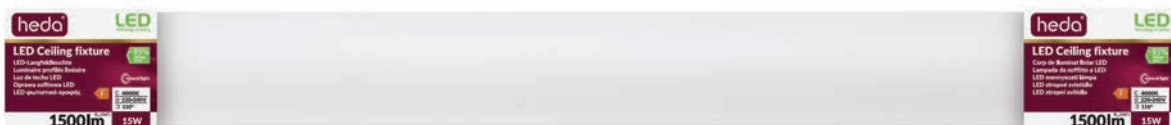


4000 K 6500 K 4000 K 6500 K

~50%  
Energy  
Save

Power	15W	15W	30W	30W
Lumen	1500	1500	3200	3200
Voltage	220-240 V	220-240 V	220-240 V	220-240 V
CRI	>80	>80	>80	>80
Lighting angle	110°	110°	110°	110°
Temperature	4000 K	6500 K	4000 K	6500 K
Lifetime	25 000 H	25 000 H	25 000 H	25 000 H
Lamp size	580x76x25mm	580x76x25mm	1180x76x25mm	1180x76x25mm
	<b>HDS1502</b>	<b>HDS1503</b>	<b>HDS3002</b>	<b>HDS3003</b>

<b>15W</b>	<b>2x18W</b>	<b>IP 44</b>		<b>1500 lumen</b>		<b>220-240V</b> <b>50-60 Hz</b>	<b>CRI(RA) &gt;80</b>	<b>PF &gt;0.5</b>		<b>100% w&lt;1s</b>
<b>30W</b>	<b>2x36W</b>	<b>IP 44</b>		<b>3200 lumen</b>		<b>220-240V</b> <b>50-60 Hz</b>	<b>CRI(RA) &gt;80</b>	<b>PF &gt;0.9</b>		<b>100% w&lt;1s</b>





# LED Waterproof lamp



Oprawy hermetyczne



~50%  
Energy  
Save

	4000 K	4000 K
Power	18W	36W
Lumen	1500	3000
Voltage	170 - 265 V	170 - 265 V
CRI	>80	>80
Lighting angle	120°	120°
Temperature	4000 K	4000 K
Lifetime	30 000 H	30 000 H
ON/OFF	> 15 000	> 15 000
Lamp size	600x53x29mm	1175x53x29mm
	<b>Indeks HTP018N</b>	<b>Indeks HTP036N</b>

<b>18W</b>	<b>2x18W</b>	<b>IP 65</b>		<b>1500 lumen</b>		<b>170-265V</b>	<b>50-60 Hz</b>	<b>CRI(RA) &gt;80</b>	<b>PF &gt;0.9</b>			<b>100% w&lt;1s</b>
<b>36W</b>	<b>2x36W</b>	<b>IP 65</b>		<b>3000 lumen</b>		<b>170-265V</b>	<b>50-60 Hz</b>	<b>CRI(RA) &gt;80</b>	<b>PF &gt;0.9</b>			<b>100% w&lt;1s</b>



\*CRI (RA) >80

\* współczynnik oddawania barw (ang. color rendering index). Zgodnie z dyrektywami Unii Europejskiej na jej terenie nie można używać źródeł światła o CRI mniejszym niż 80 w pomieszczeniach gdzie dłużej przebywa człowiek. Zbyt niskie CRI powoduje szybsze zmęczenie wzroku i ma negatywny wpływ na zdrowie.



<b>15W</b>	<b>2x18W</b>	<b>IP 65</b>		<b>1500 lumen</b>		<b>220-240V</b> <b>50-60 Hz</b>	<b>CRi(RA)</b> <b>&gt;80</b>	<b>PF</b> <b>&gt;0.5</b>		<b>100% w&lt;1s</b>
<b>30W</b>	<b>2x36W</b>	<b>IP 65</b>		<b>3200 lumen</b>		<b>220-240V</b> <b>50-60 Hz</b>	<b>CRi(RA)</b> <b>&gt;80</b>	<b>PF</b> <b>&gt;0.9</b>		<b>100% w&lt;1s</b>
<b>45W</b>	<b>2x58W</b>	<b>IP 65</b>		<b>4850 lumen</b>		<b>220-240V</b> <b>50-60 Hz</b>	<b>CRi(RA)</b> <b>&gt;80</b>	<b>PF</b> <b>&gt;0.9</b>		<b>100% w&lt;1s</b>

4000 K 6500 K 4000 K 6500 K 4000 K 6500 K

**~50%  
Energy  
Save**

	15W	15W	30W	30W	45W	45W
Power	15W	15W	30W	30W	45W	45W
Lumen	1500	1500	3200	3200	4850	4850
Voltage	220-240 V	220-240 V	220-240 V	220-240 V	220-240 V	220-240 V
CRI	>80	>80	>80	>80	>80	>80
Lighting angle	130°	130°	130°	130°	130°	130°
Temperature	4000 K	6500 K	4000 K	6500 K	4000 K	6500 K
Lifetime	30 000 H	30 000 H	30 000 H	30 000 H	30 000 H	30 000 H
Lamp size	550x53x37mm	550x53x37mm	1150x53x37mm	1150x53x37mm	1150x68x43mm	1150x68x43mm
	<b>HTP1502</b>	<b>HTP1503</b>	<b>HTP3002</b>	<b>HTP3003</b>	<b>HTP4502</b>	<b>HTP4503</b>

# LED Linkable waterproof lamp



Oprawy hermetyczne do łączenia w linię



**Linkable**  
Możliwość łączenia w linię



<b>30W</b>	<b>2x36W</b>	IP 65	IK 06	3200 lumen	130°	220-240V 50-60 Hz	CRI(RA) >80	PF >0.9	30.000 h	100% W<1s	12 Pcs IN LINE
<b>45W</b>	<b>2x58W</b>	IP 65	IK 06	4850 lumen	130°	220-240V 50-60 Hz	CRI(RA) >80	PF >0.9	30.000 h	100% W<1s	9 Pcs IN LINE
<b>60W</b>	<b>2x58W</b>	IP 65	IK 06	6500 lumen	130°	220-240V 50-60 Hz	CRI(RA) >80	PF >0.9	30.000 h	100% W<1s	6 Pcs IN LINE

4000 K natural light cold light 6500 K 4000 K natural light cold light 6500 K 4000 K natural light cold light 6500 K

~50% Energy Save

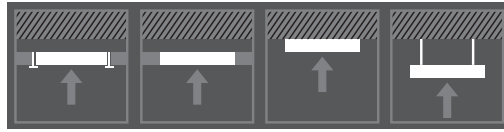
	30W	30W	45W	45W	60W	60W
Power	30W	30W	45W	45W	60W	60W
Lumen	3200	3200	4850	4850	6500	6500
Voltage	220-240 V	220-240 V	220-240 V	220-240 V	220-240 V	220-240 V
CRI	>80	>80	>80	>80	>80	>80
Lighting angle	130°	130°	130°	130°	130°	130°
Temperature	4000 K	6500 K	4000 K	6500 K	4000 K	6500 K
Lifetime	30 000 H	30 000 H	30 000 H	30 000 H	30 000 H	30 000 H
Lamp size	1190x53x57mm	1190x53x57mm	1190x68x43mm	1190x68x43mm	1490x68x43mm	1490x68x43mm
	<b>HTP3002L</b>	<b>HTP3003L</b>	<b>HTP4502L</b>	<b>HTP4503L</b>	<b>HTP6002L</b>	<b>HTP6003L</b>



\*CRI (RA) >80

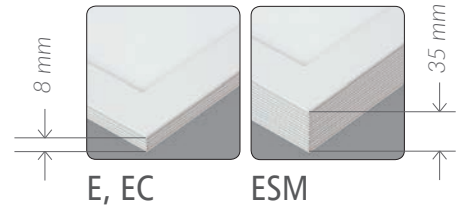
\* współczynnik oddawania barw (ang. color rendering index). Zgodnie z dyrektywami Unii Europejskiej na jej terenie nie można używać źródeł światła o CRI mniejszym niż 80 w pomieszczeniach gdzie dłużej przebywa człowiek. Zbyt niskie CRI powoduje szybsze zmęczenie wzroku i ma negatywny wpływ na zdrowie.

### Panel LED 60x60 / natynkowy



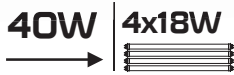
Grid based recessed mounting / Do sufitów podwieszanych  
 Optional spring recessed mounting / Opcjonalny montaż w sufitcie podwieszonym z kartongipsu LOP905  
 Optional surface mounting\* / Opcjonalny montaż natynkowy HPF060 / LOP901W  
 Optional hanging installation\* / Opcjonalny montaż na zawieszach LOP903D

\*requires additional mounting set / \*wymaga dodatkowego zestawu montażowego

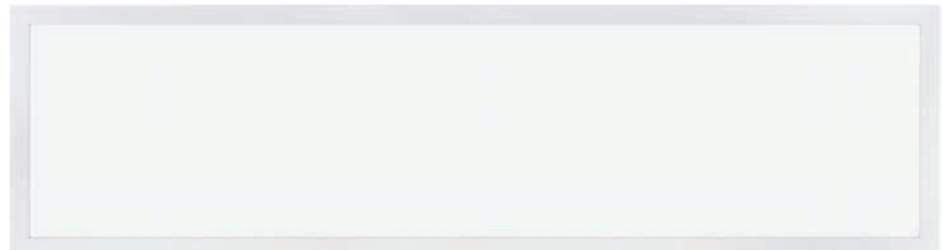


~50% Energy Save

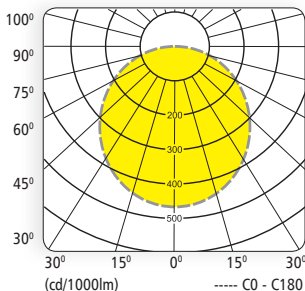
	4000 K	6500 K	4000 K
Power	40W	40W	40W
Lumen	4400	4400	4400
Voltage	175-265V	175-265V	175-265V
CRI	>80	>80	>80
Lighting angle	120°	120°	120°
Temperature	4000 K	6500 K	4000 K
Lifetime	30 000 H	30 000 H	30 000 H
ON/OFF	> 15 000	> 15 000	> 15 000
Lamp size	595x595x8mm	595x595x8mm	595x595x35mm
	<b>HPL4060E</b>	<b>HPL4060EC</b>	<b>HPL4060ESM</b>



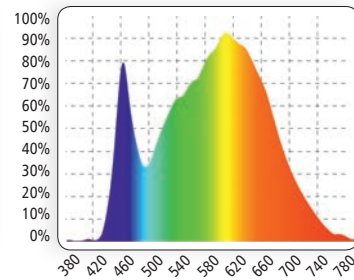
ESM - surface mounting / do montażu natynkowego



Photometric solid

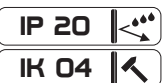


Spectrum 4000K



~50% Energy Save

	4000 K	6000 K
Power	40W	40W
Lumen	4400	4400
Voltage	175-265V	175-265V
CRI	>80	>80
Lighting angle	120°	120°
Temperature	4000 K	6500 K
Lifetime	20 000 H	20 000 H
ON/OFF	> 15 000	> 15 000
Lamp size	295x1195x10mm	295x1195x10mm
	<b>HPL40120E</b>	<b>HPL40120EC</b>



# LED Panel Backlite 60x60

## Panel LED Backlite 60x60



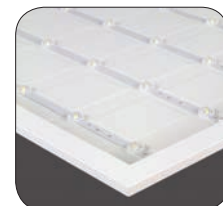
Grid based recessed mounting  
Do sufitów podwieszanych

Optional spring recessed mounting\*  
Opcjonalny montaż w sufitcie podwieszanym z kartongipsu LOP905

Optional surface mounting\*  
Opcjonalny montaż natynkowy HPF060 / LOP901W

Optional hanging installation\*  
Opcjonalny montaż na zawieszach LOP903D

\*requires additional mounting set / \*wymaga dodatkowego zestawu montażowego



Zasilacz znajduje się wewnątrz oprawy.  
Driver located inside the luminaire.



~50%  
Energy  
Save

4000 K

Power	40W
Lumen	4400
Voltage	185-265V
CRI	> 80
Lighting angle	120°
Temperature	4000 K
Lifetime	35 000 H
ON/OFF	> 20 000
Lamp size	595x595x34mm
<b>HPB4060</b>	



Ramka natynkowa do paneli LED  
serii HPL 595x595 mm.  
Surface - mounted frame for HPL series  
LED panels 595x595 mm.

**HPF060**





IP 44

12W → 90W  
30W

840 lumen | 120° | 220-240V 50-60 Hz | CRI(RA) >80 | PF >0.5 | 25.000 h | on/off >15.000 | 100% w<1s

4000 K

~85%  
Energy  
Save

Power	12W
Lumen	840
Voltage	220-240 V
CRI	>80
Lighting angle	120°
Temperature	4000 K
Lifetime	25 000 H
ON/OFF	> 15 000
Lamp size	ø260 x 45 mm

**HCL1204**



IP 44

18W → 125W  
45W

1260 lumen | 120° | 220-240V 50-60 Hz | CRI(RA) >80 | PF >0.5 | 25.000 h | on/off >15.000 | 100% w<1s

4000 K

~85%  
Energy  
Save

Power	18W
Lumen	1260
Voltage	220-240 V
CRI	>80
Lighting angle	120°
Temperature	4000 K
Lifetime	25 000 H
ON/OFF	> 15 000
Lamp size	ø310 x 55 mm

**HCL1804**



IP 44

24W → 180W  
60W

1680 lumen | 120° | 220-240V 50-60 Hz | CRI(RA) >80 | PF >0.5 | 25.000 h | on/off >15.000 | 100% w<1s

4000 K

~85%  
Energy  
Save

Power	24W
Lumen	1680
Voltage	220-240 V
CRI	>80
Lighting angle	120°
Temperature	4000 K
Lifetime	25 000 H
ON/OFF	> 15 000
Lamp size	ø350 x 55 mm

**HCL2404**



# Oprawy natynkowe

z czujką ruchu / with microwave sensor

**IP 44**

**12W** **90W**   
**30W**

**840 lumen** **120°** **220-240V**   
**50-60 Hz** **CRI(RA)**   
**>80** **PF**   
**>0.5** **20.000 h** **on/off**   
**>15.000** **100% w<1s**

Microwave Sensor

4000 K natural light

**~85%**  
Energy Save

Power	12W
Lumen	840
Voltage	220-240 V
CRI	>80
Lighting angle	120°
Temperature	4000 K
Lifetime	25 000 H
ON/OFF	> 15 000
Lamp size	ø330 x 70 mm

**HCL1204S**

**IP 44**

**18W** **125W**   
**45W**

**1260 lumen** **120°** **220-240V**   
**50-60 Hz** **CRI(RA)**   
**>80** **PF**   
**>0.5** **20.000 h** **on/off**   
**>15.000** **100% w<1s**

Microwave Sensor

4000 K natural light

**~85%**  
Energy Save

Power	18W
Lumen	1260
Voltage	220-240 V
CRI	>80
Lighting angle	120°
Temperature	4000 K
Lifetime	25 000 H
ON/OFF	> 15 000
Lamp size	ø330 x 70 mm

**HCL1804S**

**IP 54**

**18W** **125W**   
**45W**

**1260 lumen** **120°** **220-240V**   
**50-60 Hz** **CRI(RA)**   
**>80** **PF**   
**>0.5** **20.000 h** **on/off**   
**>15.000** **100% w<1s**

Microwave Sensor

**IP54**

4000 K natural light

**~85%**  
Energy Save

Power	18W
Lumen	1260
Voltage	220-240 V
CRI	>80
Lighting angle	120°
Temperature	4000 K
Lifetime	25 000 H
ON/OFF	> 15 000
Lamp size	ø300 x 62 mm

**HCL1802IP**



~85%  
Energy  
Save



4000 K 6000 K

Power	30W	30W
Lumen	3200	3200
Voltage	180-260 V	180-260 V
CRI	>80	>80
Lighting angle	100°	100°
Temperature	4000 K	6000 K
Lifetime	25 000 H	25 000 H
ON/OFF	> 15 000	> 15 000
Lamp size	ø330 x 53 mm	ø330 x 53 mm
	<b>HCP3004N</b>	<b>HCP3004C</b>

**30W** → **375W** **98W**   
**IP20**   
**3200 lumen**   
**100°**  
**180-260V**  
**50-60 Hz**  
**CRI(RA)**  
**>80**  
**PF**  
**>0.9**  
**25.000 h**  
**on/off**  
**>15 000**  
**100%**  
**w<1s**



~85%  
Energy  
Save




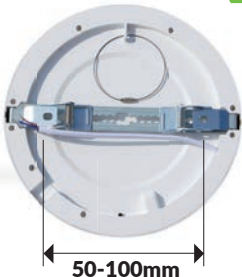
4000 K 6000 K

Power	30W	30W
Lumen	3200	3200
Voltage	180-260 V	180-260 V
CRI	>80	>80
Lighting angle	100°	100°
Temperature	4000 K	6000 K
Lifetime	25 000 H	25 000 H
ON/OFF	> 15 000	> 15 000
Lamp size	330x330x53 mm	330x330x53 mm
	<b>HCP3014N</b>	<b>HCP3014C</b>


**30W** → **375W** **98W**   
**IP20**   
**3200 lumen**   
**100°**  
**180-260V**  
**50-60 Hz**  
**CRI(RA)**  
**>80**  
**PF**  
**>0.9**  
**25.000 h**  
**on/off**  
**>15 000**  
**100%**  
**w<1s**

# LED Ceiling lamp / LED Downlight


Oprawy natynkowe / wpuszczane

50-100mm



Montaż w suficie podwieszanym    Montaż natynkowy



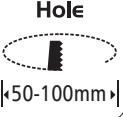
4000 K natural light

cold light

6000 K

Power	12W	12W
Lumen	1200	1200
Voltage	180-260 V	180-260 V
CRI	>80	>80
Lighting angle	100°	100°
Temperature	4000 K	6000 K
Lifetime	25 000 H	25 000 H
ON/OFF	> 15 000	> 15 000
Lamp size	ø166 x 18 mm	ø166 x 18 mm
<b>HDC12RN</b>		<b>HDC12RC</b>

Hole




50-100mm


12W

→

108W  
35W




IP20



1200 lumen

100°




180-260V  
50-60 Hz


CRI(RA)  
>80

PF  
>0.5

25.000 h



on/off  
>15 000



100%  
w<1s




50-150mm



Montaż w suficie podwieszanym    Montaż natynkowy



4000 K natural light

cold light

6000 K

Power	18W	18W
Lumen	1820	1820
Voltage	180-260 V	180-260 V
CRI	>80	>80
Lighting angle	100°	100°
Temperature	4000 K	6000 K
Lifetime	25 000 H	25 000 H
ON/OFF	> 15 000	> 15 000
Lamp size	ø220 x 18 mm	ø220 x 18 mm
<b>HDC18RN</b>		<b>HDC18RC</b>

Hole



50-150mm


18W

→

162W  
52W



IP20



1820 lumen

100°



180-260V  
50-60 Hz


CRI(RA)  
>80

PF  
>0.5

25.000 h



on/off  
>15 000



100%  
w<1s



Power	12W	12W	12W
Lumen	800	850	900
Voltage	180-260	180-260	180-260
CRI	>80	>80	>80
Lighting angle	120°	120°	120°
Temperature	3000 K	4000 K	6500 K
Lifetime	25 000 H	25 000 H	25 000 H
ON/OFF	> 15 000	> 15 000	> 15 000
Lamp size	ø170x25,5mm	ø170x25,5mm	ø170x25,5mm
Indeks	<b>HDW12RW</b>	<b>HDW12RN</b>	<b>HDW12RC</b>

**12W** | **112W** | | **IP40** | | **SURFACE MOUNTING FRAME** | | **800 LM** | **850 LM** | **900 LM** | **180-260V** | **50-60 Hz** | **CRI(RA) >80** | **PF >0.5** | |

**HDWF17R** | **< 155MM** | **HDW12RW** | **HDW12RN** | **HDW12RC** | **>80** | **>0.5** | **25,000 h** | **>15 000**



Power	18W	18W	18W
Lumen	1260	1820	1350
Voltage	180-260	180-260	180-260
CRI	>80	>80	>80
Lighting angle	120°	120°	120°
Temperature	3000 K	4000 K	6500 K
Lifetime	25 000 H	25 000 H	25 000 H
ON/OFF	> 15 000	> 15 000	> 15 000
Lamp size	ø224x25,5mm	ø224x25,5mm	ø224x25,5mm
Indeks	<b>HDW18RW</b>	<b>HDW18RN</b>	<b>HDW18RC</b>

**18W** | **168W** | | **IP40** | | **SURFACE MOUNTING FRAME** | | **1260 LM** | **1820 LM** | **1350 LM** | **180-260V** | **50-60 Hz** | **CRI(RA) >80** | **PF >0.5** | |

**HDWF22R** | **< 210MM** | **HDW18RW** | **HDW18RN** | **HDW18RC** | **>80** | **>0.5** | **25,000 h** | **>15 000**

Optional accessories: surface mounting frames  
Opcjonalne akcesoria: ramki do montażu natynkowego



- HDWF15R 9W**
- HDWF17R 12W**
- HDWF22R 18W**

# Oprawy wpuszczane

~85%  
Energy  
Save

Power	12W	12W	12W
Lumen	800	850	900
Voltage	180-260	180-260	180-260
CRI	>80	>80	>80
Lighting angle	120°	120°	120°
Temperature	3000 K	4000 K	6500 K
Lifetime	25 000 H	25 000 H	25 000 H
ON/OFF	> 15 000	> 15 000	> 15 000
Lamp size	201.5x201.5x25.5mm	201.5x201.5x25.5mm	201.5x201.5x25.5mm
Indeks	<b>HDW12SW</b>	<b>HDW12SN</b>	<b>HDW12SC</b>



800 LM HDW12SW	850 LM HDW12SN	900 LM HDW12SC	180-260V 50-60 Hz	CRI(RA) >80	PF >0.5	25.000 h	on/off >15 000	Hole < 185mm >	SURFACE MOUNTING FRAME HDWF20S	12W   112W 36W	IP40
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Power	18W	18W	18W
Lumen	1260	1300	1350
Voltage	180-260	180-260	180-260
CRI	>80	>80	>80
Lighting angle	120°	120°	120°
Temperature	3000 K	4000 K	6500 K
Lifetime	25 000 H	25 000 H	25 000 H
ON/OFF	> 15 000	> 15 000	> 15 000
Lamp size	201.5x201.5x25.5mm	201.5x201.5x25.5mm	201.5x201.5x25.5mm
Indeks	<b>HDW18SW</b>	<b>HDW18SN</b>	<b>HDW18SC</b>



1260 LM HDW18SW	1300 LM HDW18SN	1350 LM HDW18SC	180-260V 50-60 Hz	CRI(RA) >80	PF >0.5	25.000 h	on/off >15 000	Hole < 185mm >	SURFACE MOUNTING FRAME HDWF20S	18W   168W 54W	IP40
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Optional accessories: surface mounting frames  
Opcjonalne akcesoria: ramki do montażu natynkowego

HDWF15S 9W  
HDWF20S 12W 18W





2700 K  warm light

~85%  
Energy  
Save

Power	25W
Lumen	1800
Voltage	230 V
CRI	>80
Lighting angle	100°
Temperature	2700 K
Lifetime	25 000 H
ON/OFF	> 15 000
Lamp size	ø230 x 60 mm

**HDW025**

25W	225W 72W	IP 20	IK 04
1800 lumen	100°	230V 50-60 Hz	CRI(RA) >80
PF >0.9	25.000 h	on/off >15.000	100% w<1s

Hole  
∅ 200mm



## Projektor LED na szynoprzewód 3-fazowy

Rail-mounted LED projector



4000 K  natural light

~50%  
Energy  
Save

Power	10W
Lumen	800
Voltage	220-240 V
CRI	>80
Lighting angle	60°
Temperature	4000 K
Lifetime	25 000 H
Lamp size	57x100 mm

**HTR1002**

10W	IP 20	IK 06
800 lumen	60°	220-240V 50-60 Hz
PF >0.5	25.000 h	GU10

100%  
w<1s

GU10 LED light source



# LED High Bay

## High Bay LED



**100W** IP 65 IK 08

12000 lumen 120° 175-265V 50-60 Hz CRI(RA) >70 PF >0.9 50.000 h on/off >15 000 100% w<1s

cold light 5700 K

~50% Energy Save

Power	100W
Lumen	12 000
Voltage	175-265 V
CRI	>70
Lighting angle	120°
Temperature	5700 K
Lifetime	50 000 H
ON/OFF	> 15 000
Lamp size	ø 230 x 81 mm

**HHB100**



**150W** IP 65 IK 08

18000 lumen 120° 175-265V 50-60 Hz CRI(RA) >70 PF >0.9 50.000 h on/off >15 000 100% w<1s

cold light 5700 K

~50% Energy Save

Power	150W
Lumen	18 000
Voltage	175-265 V
CRI	>70
Lighting angle	120°
Temperature	5700 K
Lifetime	50 000 H
ON/OFF	> 15 000
Lamp size	ø 260 x 81 mm

**HHB150**



**200W** IP 65 IK 08

24000 lumen 120° 175-265V 50-60 Hz CRI(RA) >70 PF >0.9 50.000 h on/off >15 000 100% w<1s

cold light 5700 K

~50% Energy Save

Power	200W
Lumen	24 000
Voltage	175-265 V
CRI	>70
Lighting angle	120°
Temperature	5700 K
Lifetime	50 000 H
ON/OFF	> 15 000
Lamp size	ø 310 x 81 mm

**HHB200**



4000 K  natural light  cold light 6000 K

 <p><b>10W</b>   60W </p> <p>IP 65  PF &gt;0.7</p>	<p>~85% Energy Save</p> <p>F A ↑ G</p>	<p>Power: 10W Lumen: 1000 Voltage: 220 - 240 V CRI: &gt;70 Lighting angle: 120° Temperature: 4000 K Lifetime: 25 000 H ON/OFF: &gt; 15 000 Lamp size: 75x81x21,5mm</p>	<p>Power: 10W Lumen: 1000 Voltage: 220 - 240 V CRI: &gt;70 Lighting angle: 120° Temperature: 6000 K Lifetime: 25 000 H ON/OFF: &gt; 15 000 Lamp size: 75x81x21,5mm</p> <p><b>HFL110N</b> <b>HFL110C</b></p>
 <p><b>20W</b>   120W </p> <p>IP 65  PF &gt;0.7</p>	<p>~85% Energy Save</p> <p>F A ↑ G</p>	<p>Power: 20W Lumen: 2000 Voltage: 220 - 240 V CRI: &gt;70 Lighting angle: 120° Temperature: 4000 K Lifetime: 25 000 H ON/OFF: &gt; 15 000 Lamp size: 103x99x23,5mm</p>	<p>Power: 20W Lumen: 2000 Voltage: 220 - 240 V CRI: &gt;70 Lighting angle: 120° Temperature: 6000 K Lifetime: 25 000 H ON/OFF: &gt; 15 000 Lamp size: 103x99x23,5mm</p> <p><b>HFL120N</b> <b>HFL120C</b></p>
 <p><b>30W</b>   180W </p> <p>IP 65  PF &gt;0.9</p>	<p>~85% Energy Save</p> <p>F A ↑ G</p>	<p>Power: 30W Lumen: 3000 Voltage: 220 - 240 V CRI: &gt;70 Lighting angle: 120° Temperature: 4000 K Lifetime: 25 000 H ON/OFF: &gt; 15 000 Lamp size: 125x119x25mm</p>	<p>Power: 30W Lumen: 3000 Voltage: 220 - 240 V CRI: &gt;70 Lighting angle: 120° Temperature: 6000 K Lifetime: 25 000 H ON/OFF: &gt; 15 000 Lamp size: 125x119x25mm</p> <p><b>HFL130N</b> <b>HFL130C</b></p>
 <p><b>50W</b>   300W </p> <p>IP 65  PF &gt;0.9</p>	<p>~85% Energy Save</p> <p>F A ↑ G</p>	<p>Power: 50W Lumen: 5000 Voltage: 220 - 240 V CRI: &gt;70 Lighting angle: 120° Temperature: 4000 K Lifetime: 25 000 H ON/OFF: &gt; 15 000 Lamp size: 165x160x35mm</p>	<p>Power: 50W Lumen: 5000 Voltage: 220 - 240 V CRI: &gt;70 Lighting angle: 120° Temperature: 6000 K Lifetime: 25 000 H ON/OFF: &gt; 15 000 Lamp size: 165x160x35mm</p> <p><b>HFL150N</b> <b>HFL150C</b></p>



100W | 600W  
IP 65 | IK 05 | PF >0.9

~85%  
Energy Save

F A ↑ G

4000 K natural light 6000 K cold light

Power	100W	100W
Lumen	10 000	10 000
Voltage	220 - 240 V	220 - 240 V
CRI	>70	>70
Lighting angle	120°	120°
Temperature	4000 K	6000 K
Lifetime	25 000 H	25 000 H
ON/OFF	> 15 000	> 15 000
Lamp size	255x213x33mm	255x213x33mm

HFL910N

HFL910C



20W | 120W  
IP 44 | IK 05 | PF >0.7



~85%  
Energy Save

F A ↑ G

Power	20W	20W
Lumen	2000	2000
Voltage	220 - 240 V	220 - 240 V
CRI	>70	>70
Lighting angle	120°	120°
Temperature	4000 K	6000 K
Lifetime	25 000 H	25 000 H
ON/OFF	> 15 000	> 15 000
Lamp size	125x150x43mm	125x150x43mm

HFL120NS

HFL120CS



50W | 300W  
IP 44 | IK 05 | PF >0.9



~85%  
Energy Save

F A ↑ G

Power	50W	50W
Lumen	5000	5000
Voltage	220 - 240 V	220 - 240 V
CRI	>70	>70
Lighting angle	120°	120°
Temperature	4000 K	6000 K
Lifetime	25 000 H	25 000 H
ON/OFF	> 15 000	> 15 000
Lamp size	191x211x56mm	191x211x56mm

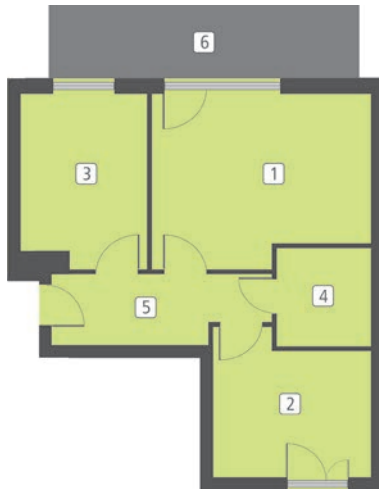
HFL150NS

HFL150CS

## LED Bulbs are pure profit Źródła LED to czysty zysk

Return of investment after 3 months.  
Saves at least 85% energy.  
Several dozens times longer lifetime.

Koszt zakupu zwraca się po około 3 miesiącach.  
Zużycie energii na oświetlenie zmniejsza się o około 85%.  
Pracują kilkadziesiąt razy dłużej niż zwykła żarówka.



**Example: Savings calculation for standard flat after replacing incandescent bulbs with LED bulbs.**

**Przykład: wyliczenie oszczędności dla standardowego mieszkania po zastosowaniu źródeł LED zamiast tradycyjnych żarówek.**

- 1 Living room / Salon
- 2 Bedroom / Sypialnia
- 3 Kitchen / Kuchnia
- 4 Bathroom / Łazienka
- 5 Corridor / Hol
- 6 Balcony / Balkon

Lifetime of standard bulb: 1000h  
Lifetime of LED bulb: 25 000h  
Return of investment in the LED: 3 months.

Trwałość źródła żarowego: 1000h  
Trwałość źródła LED: 25 000h  
Czas zwrotu inwestycji związanej z wymianą źródeł tradycyjnych na LED: 3 miesiące.

**LED light sources features 25 times longer lifetime compared with standard incandescent bulbs.**

Długość życia źródła LED jest około 30 razy dłuższa niż źródła żarowego.

	Standard incandescent bulbs Standardowe źródło żarowe				Average turn-on time (h/day) Średnie zużycie energii (h/dobę)	LED Bulbs Źródła LED				
	100W E27	75W E27	60W E27	40W E14		15W E27	11W E27	8,5W E27	6W E14	
Living room / Salon				6	8				6	
Bedroom / Sypialnia			3	2	5			3	2	
Kitchen / Kuchnia	1			5	7	1			5	
Bathroom / Łazienka			2	2	4			2	2	
Corridor / Hol		1		5	7		1		5	
Balcony / Balkon				1	2				1	
<b>Bulbs quantity / Ilość źródeł</b>	<b>1</b>	<b>1</b>	<b>5</b>	<b>21</b>	<b>Power summary (W) / Suma mocy (W)</b>	<b>1</b>	<b>1</b>	<b>5</b>	<b>21</b>	
<b>Power consumption / Pobór mocy</b>	<b>100</b>	<b>75</b>	<b>300</b>	<b>840</b>	<b>1350</b>	<b>200</b>	<b>15</b>	<b>11</b>	<b>42,5</b>	<b>126</b>

Present energy consumption per year  
Future energy consumption

Obecne roczne zużycie energii: **2640 kWh**  
Przyszłe zużycie energii w roku: **402**

**Saved energy**

**Oszczędność na zużyciu energii: 2238 kWh**

**85% Energy save !**  
**85% Procentowy zysk na oszczędności energii !**

# Light sources comparison



## Tabela porównawcza źródeł światła



Traditional bulb  
Żarówka tradycyjna



Halogen bulb  
Żarówka halogenowa



Compact fluorescent lamp  
Świetlówka kompaktowa

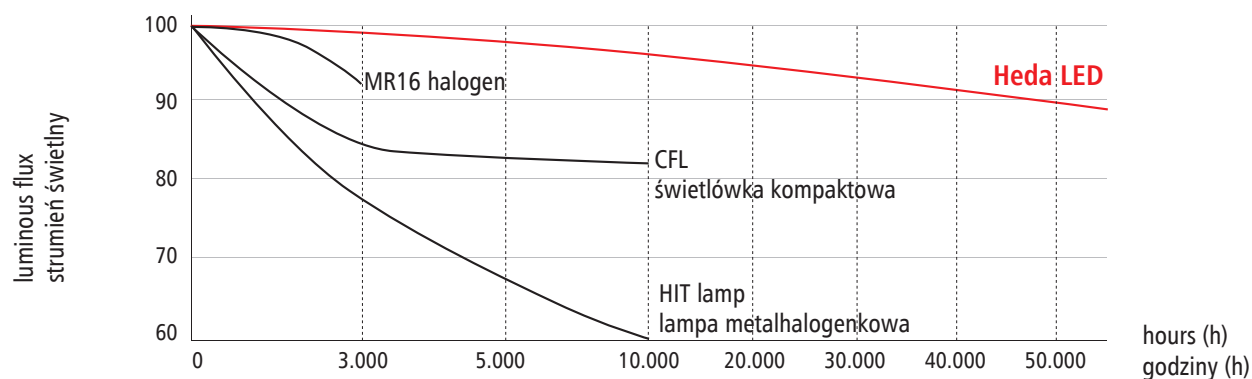


LED bulb HEDA HD101  
Źródło światła LED np. HEDA HD101

Power consumption	60W	50W -> 60W	14W -> 60W	8,5W -> 60W
Luminous flux	800lm	800lm	800lm	806lm
Reduction of power consumption	0%	17%	77%	85%
Lifetime	1 000h	2 000h	10 000h	25 000h
Contains mercury	no	no	yes	no
Shock resistance	very low	low	low	high
Reduction of costs	none	low	high	very high
Pobór mocy	60W	50W -> 60W	14W -> 60W	8,5W -> 60W
Strumień świetlny	800lm	800lm	800lm	806lm
Redukcja zużycia energii	0%	17%	77%	85%
Trwałość	1 000h	2 000h	10 000h	25 000h
Zawiera rtęć	nie	nie	tak	nie
Odporność na wstrząsy	bardzo niska	niska	niska	wysoka
Redukcja kosztów użytkowania	brak	mała	duża	bardzo duża

### Luminous flux maintenance during lifetime

Dane porównawcze dotyczące utrzymania strumienia świetlnego w czasie





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