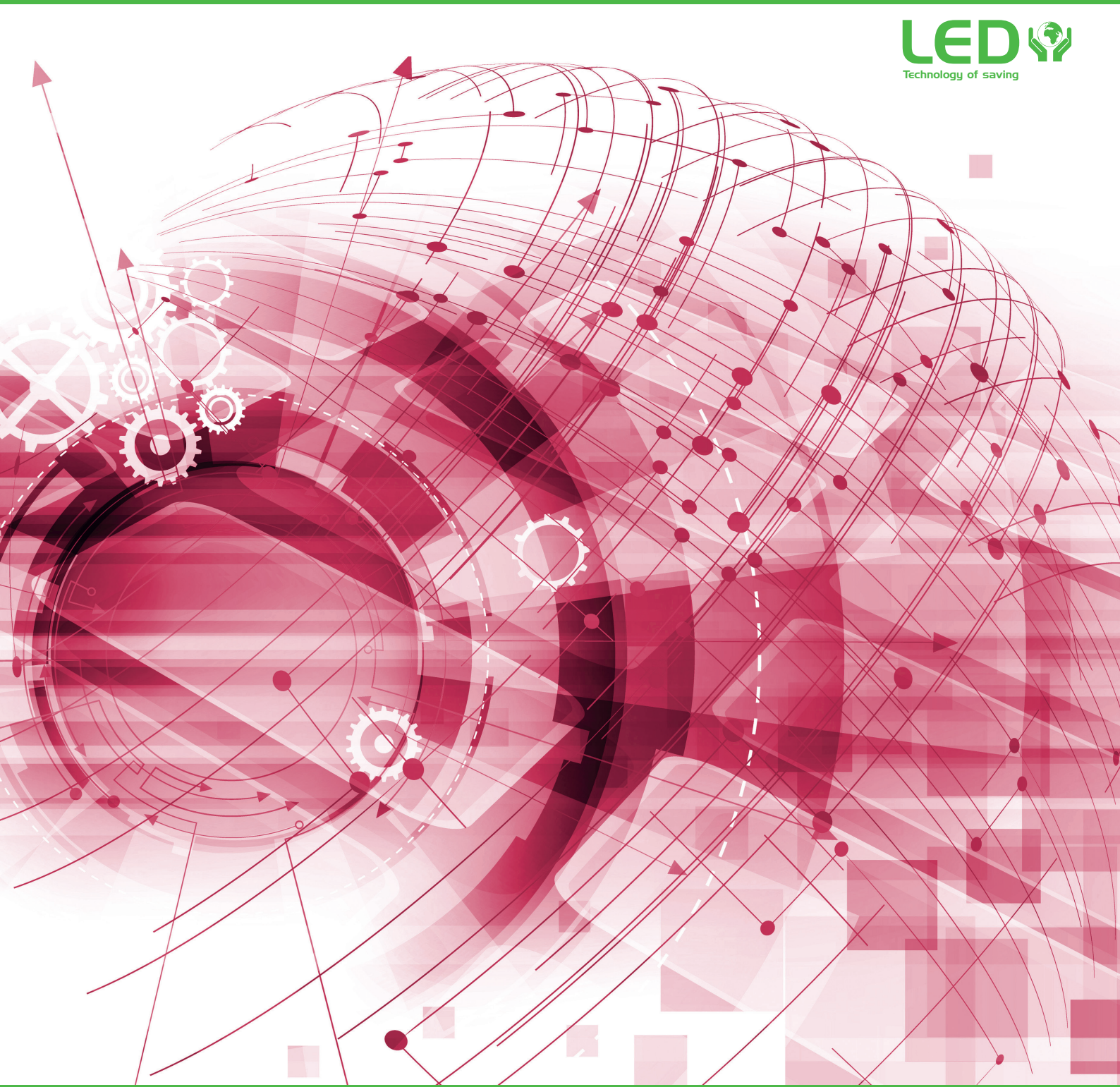


... inspired by you

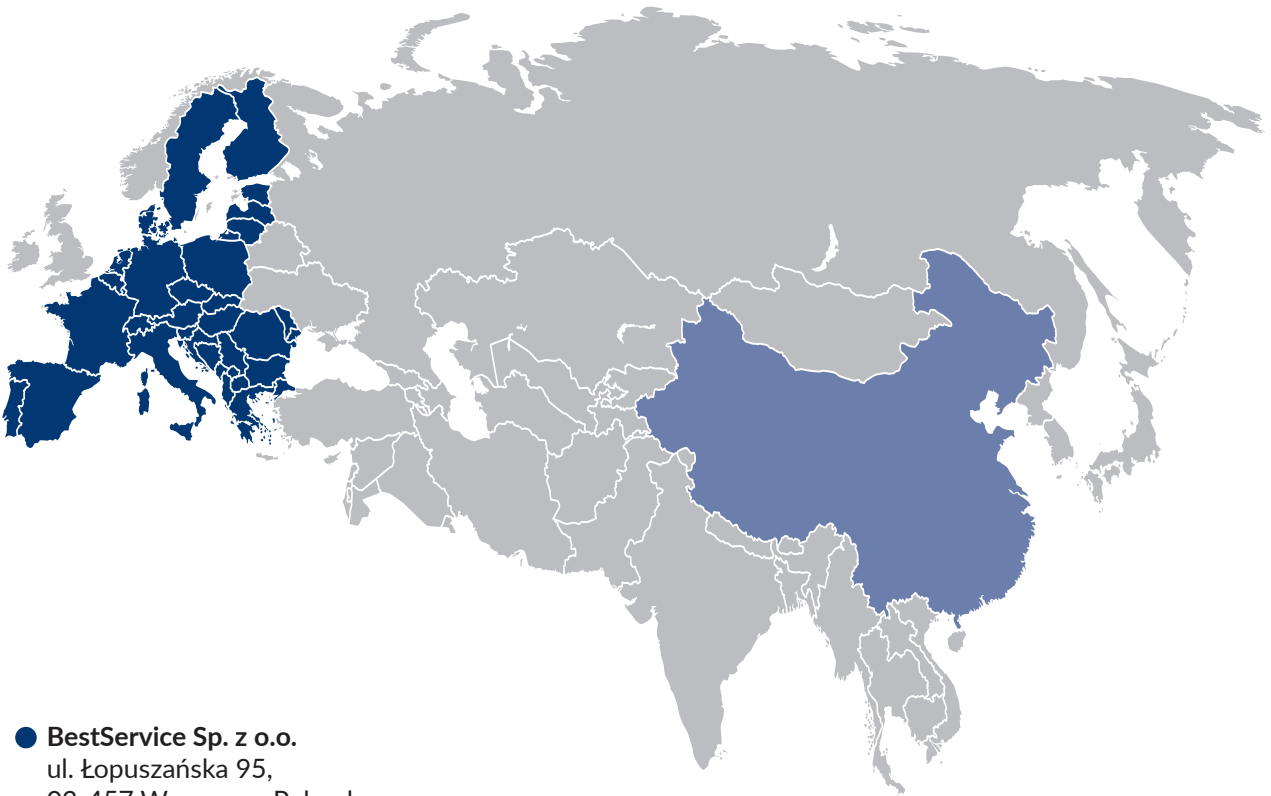


Catalogue 2021-2022

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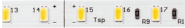




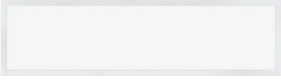








Heda is a thriving European brand of LED lighting. From the very beginning we have been putting an great emphasis on the quality of the products sold. Our products contain chips made only by the world's leading LED manufacturers. All products meet the strict quality requirements in accordance with the 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.



● **BestService Sp. z o.o.**
ul. Łopuszańska 95,
02-457 Warszawa, Poland

● **Bestservice Hellas IKE**
Ταβουλάρη 11 Αθήνα τκ 11141,
Athens, Greece

● **BestService China**
Address: No.669 Songjiang
Dong Road, Yinzhou District,
Ningbo City, China

	4	LED Bulbs - candles and small bulbs Źródła LED - świeczki i kulki
	5	LED Bulbs - standard A60 and A65 Źródła LED - klasyczne A60 i A65
	6	LED Bulbs - reflector MR16 Źródła LED – reflektory MR16
	7	LED strips DC 12V Taśmy LED DC 12V
	8	LED T5 Batten with on/off switch Listwa LED T5 z przełącznikiem on/off
	9	SMD glass LED tube Tuby LED
	10	Dustproof lighting fitting for T8 LED tubes Oprawa hermetyczna na tuby LED T8
	11	LED Ceiling lamp Oprawa sufitowa LED
	12	LED Waterproof lamp Oprawa hermetyczna LED
	13 - 15	LED Panel 60x60 / 30x120 Panel LED 60x60 / 30x120
	16 - 18	LED Ceiling lamp / LED Downlight Plafoniery LED / Downlight LED
	19	Outdoor LED Bulkhead Zewnętrzna natynkowa oprawa LED
	20 - 21	LED Downlight Oprawy natynkowe / wpuszczane
	22 - 23	LED Downlight Oczka wpuszczane
	24 - 25	LED Downlight Oprawy wpuszczane
	26 - 27	LED Floodlight Naświetlacze LED
	28	Outdoor LED Wall lamp Zewnętrzna natynkowa oprawa LED
	29	LED High Bay High Bay LED

Smooth light without flickering



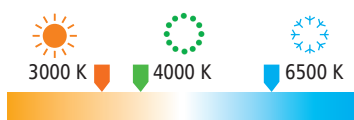
3W

3W
6W
8W

6W

6W
8W

6W



LED Bulbs - candels and small bulbs

Index	Type	Power	Base	Lumen	Voltage	CRI	Lighting angle	Temperature	Lifetime	ON/OFF	Lamp size
HD021	C37 _{flame}	3W => 25W	E14	250	175-250V	>80	200°	3000 K	25 000 H	>15 000	37x130mm
HD020	C37	3W => 25W	E14	250	175-250V	>80	200°	3000 K	25 000 H	>15 000	37x98mm
HD053	C37	6W => 40W	E14	470	175-250V	>80	200°	3000 K	25 000 H	>15 000	37x99mm
HD058	C37	6W => 40W	E14	475	175-250V	>80	200°	4000 K	25 000 H	>15 000	37x110mm
HD060	C37	6W => 40W	E14	475	175-250V	>80	200°	6500 K	25 000 H	>15 000	37x99mm
HD054	C37	6W => 40W	E27	470	175-250V	>80	200°	3000 K	25 000 H	>15 000	37x99mm
HD055	C37	8W => 50W	E14	640	175-250V	>80	200°	3000 K	25 000 H	>15 000	37x107mm
HD077	C37	8W => 51W	E14	660	175-250V	>80	200°	4000 K	25 000 H	>15 000	37x110mm
HD066	C37	8W => 51W	E14	660	175-250V	>80	200°	6500 K	25 000 H	>15 000	37x107mm
HD050	G45	6W => 40W	E14	470	175-250V	>80	200°	3000 K	25 000 H	>15 000	45x78mm
HD051	G45	6W => 40W	E14	475	175-250V	>80	200°	4000 K	25 000 H	>15 000	45x79mm
HD063	G45	6W => 40W	E14	475	175-250V	>80	200°	6500 K	25 000 H	>15 000	45x78mm
HD052	G45	6W => 40W	E27	470	175-250V	>80	200°	3000 K	25 000 H	>15 000	45x78mm
HD062	G45	6W => 40W	E27	475	175-250V	>80	200°	6500 K	25 000 H	>15 000	45x78mm
HD056	G45	8W => 50W	E14	640	175-250V	>80	200°	3000 K	25 000 H	>15 000	45x89mm
HD057	G45	8W => 51W	E14	660	175-250V	>80	200°	4000 K	25 000 H	>15 000	45x90mm
HD065	G45	8W => 51W	E14	660	175-250V	>80	200°	6500 K	25 000 H	>15 000	45x89mm



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



Stabilne światło bez migotania

~85%
Energy
Save

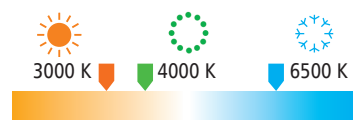


7W

10W
12W

15W

17W



LED Bulbs - standard A55, A60 and A65

Index	Type	Power	Base	Lumen	Voltage	CRI	Lighting angle	Temperature	Lifetime	ON/OFF	Lamp size
A F	HD100	A55 7W=>50W	E27	630	175-250V	>80	200°	3000 K	25 000 H	>15 000	55x100mm
	HD120	A55 7W=>50W	E27	635	175-250V	>80	200°	4000 K	25 000 H	>15 000	55x100mm
	HD110	A55 7W=>50W	E27	635	175-250V	>80	200°	6500 K	25 000 H	>15 000	55x100mm
A G	HD101	A60 10W=>60W	E27	806	175-250V	>80	200°	3000 K	25 000 H	>15 000	60x109mm
	HD121	A60 10W=>61W	E27	815	175-250V	>80	200°	4000 K	25 000 H	>15 000	60x109mm
	HD111	A60 10W=>61W	E27	815	175-250V	>80	200°	6500 K	25 000 H	>15 000	60x109mm
	HD102	A60 12W=>75W	E27	1050	175-250V	>80	200°	3000 K	25 000 H	>15 000	60x109mm
	HD122	A60 12W=>77W	E27	1100	175-250V	>80	200°	4000 K	25 000 H	>15 000	60x109mm
	HD112	A60 12W=>77W	E27	1100	175-250V	>80	200°	6500 K	25 000 H	>15 000	60x109mm
A F	HD103	A60 15W=>88W	E27	1300	175-250V	>80	200°	3000 K	25 000 H	>15 000	60x121mm
	HD123	A60 15W=>91W	E27	1350	175-250V	>80	200°	4000 K	25 000 H	>15 000	60x121mm
	HD113	A60 15W=>91W	E27	1350	175-250V	>80	200°	6500 K	25 000 H	>15 000	60x121mm
	HD105	A65 17W=>100W	E27	1520	175-250V	>80	200°	3000 K	25 000 H	>15 000	65x125mm
	HD125	A65 17W=>100W	E27	1520	175-250V	>80	200°	4000 K	25 000 H	>15 000	65x125mm
HD115	A65 17W=>100W	E27	1520	175-250V	>80	200°	6500 K	25 000 H	>15 000	65x125mm	

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

CRI(RA)
>80

200°

175-250V
50-60 Hz

25.000 h

on/off
>15.000











Smooth light without flickering

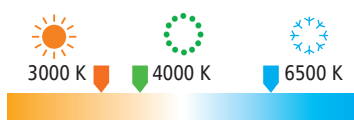
~85%
Energy
Save



MR16









1,9W  
 4W  
 6W   
 8W   



LED Bulbs - reflector MR16

Index	Type	Power	Base	Lumen	Voltage	CRI	Lighting angle	Temperature	Lifetime	ON/OFF	Lamp size
HD210	MR16	1,9W => 15W	GU10	130	175-265V	>80	120°	3000 K	25 000 H	>15 000	50x55mm
HD211	MR16	1,9W => 15W	GU10	135	175-265V	>80	120°	6000 K	25 000 H	>15 000	50x55mm
HD220	MR16	4W => 28W	GU10	300	175-265V	>80	120°	3000 K	25 000 H	>15 000	50x55mm
HD221	MR16	4W => 30W	GU10	310	175-265V	>80	120°	6500 K	25 000 H	>15 000	50x55mm
HD230	MR16	6W => 40W	GU10	470	175-265V	>80	120°	3000 K	25 000 H	>15 000	50x55mm
HD232	MR16	6W => 40W	GU10	475	175-265V	>80	120°	4000 K	25 000 H	>15 000	50x55mm
HD231	MR16	6W => 40W	GU10	475	175-265V	>80	120°	6500 K	25 000 H	>15 000	50x55mm
HD243	MR16	8W => 50W	GU10	630	175-265V	>80	120°	3000 K	25 000 H	>15 000	50x55mm
HD245	MR16	8W => 51W	GU10	650	175-265V	>80	120°	4000 K	25 000 H	>15 000	50x55mm
HD244	MR16	8W => 51W	GU10	650	175-265V	>80	120°	6500 K	25 000 H	>15 000	50x55mm

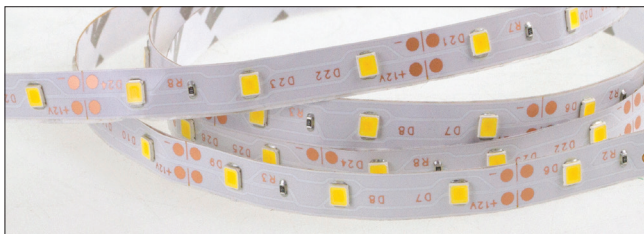
Housing - thermally conductive plastic + aluminum radiator
 Obudowa - plastik termoprzewodzący + aluminiowy radiator

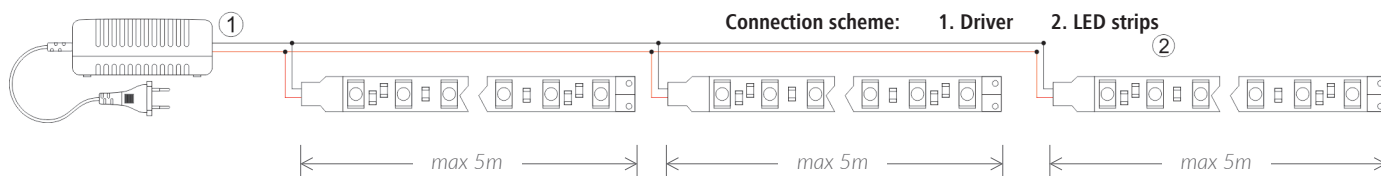
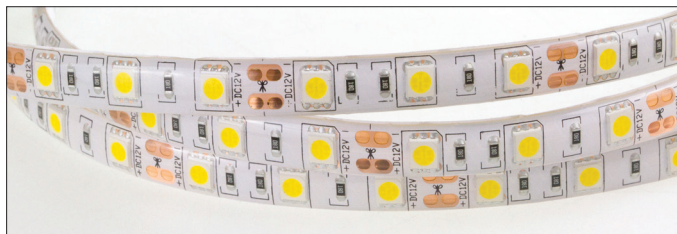
LED strips DC 12V

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.



~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
	HS010	HS012	HS050	HS052	HS059

~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
	HS020	HS022	HS060	HS062	HS069



LED T5 Batten with on/off switch

Listwa LED T5 z przelacznikiem on/off

~50%
Energy
Save



8W	IP 20 IK 02	680 lumen	180°	180-256V 50Hz	CRI(RA) >80	PF >0.5	25.000 h	on/off >15.000
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10W	IP 20 IK 02	850 lumen	180°	180-256V 50Hz	CRI(RA) >80	PF >0.5	25.000 h	on/off >15.000
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14W	IP 20 IK 02	1180 lumen	180°	180-256V 50Hz	CRI(RA) >80	PF >0.5	25.000 h	on/off >15.000
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natural light 4000 K	cold light 6500 K	natural light 4000 K	cold light 6500 K	natural light 4000 K	cold light 6500 K
-------------------------	----------------------	-------------------------	----------------------	-------------------------	----------------------

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
	HDT508N	HDT508C	HDT510N	HDT510C	HDT514N	HDT514C

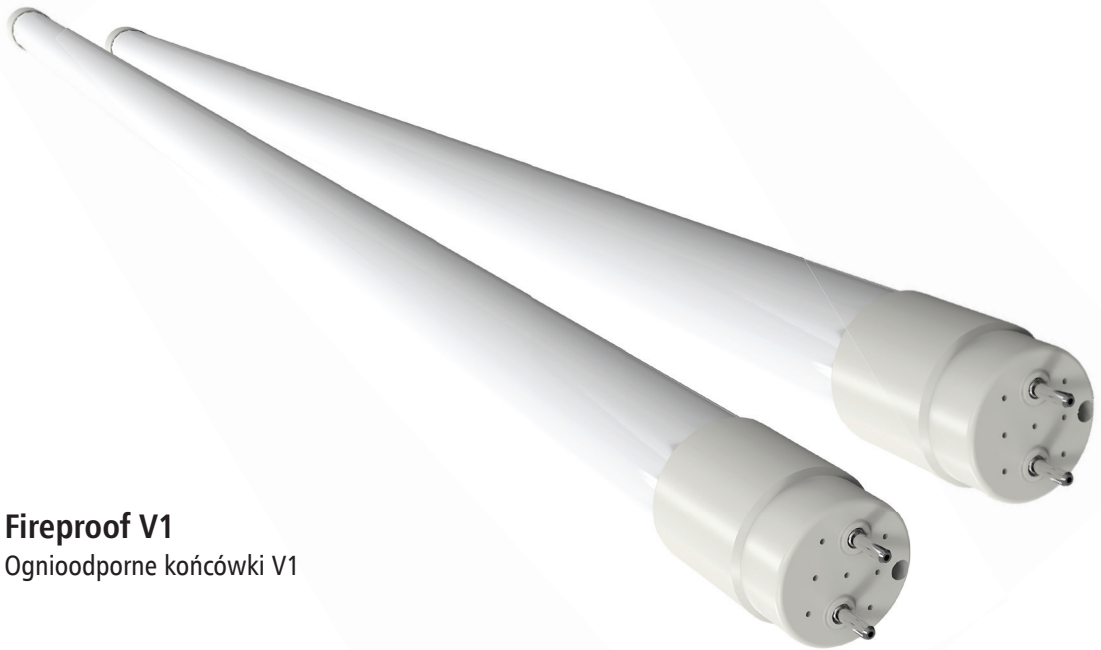
Included accessories



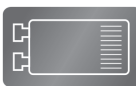
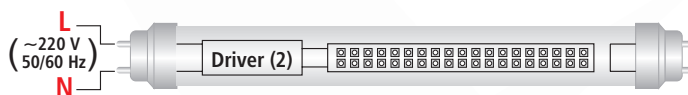
SMD glass T8 LED tube



Tuby szklane LED T8



Fireproof V1
Ognioodporne końcówki V1



STARTER included

4100 K natural light cold light 6500 K 4100 K natural light cold light 6500 K 4100 K natural light cold light 6500 K

~50%
Energy
Save

Power	10W	10W	18W	18W	24W	24W
Lumen	900	900	1620	1620	2160	2160
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	4100 K	6500 K	4100 K	6500 K	4100 K	6500 K
Lifetime	20 000 H	20 000 H	20 000 H	20 000 H	20 000 H	20 000 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
	HDT10NGL	HDT10CGL	HDT18NGL	HDT18CGL	HDT24NGL	HDT24CGL





Dustproof lighting fitting for T8 LED tubes

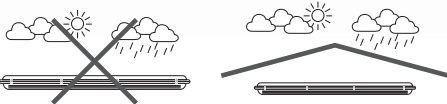
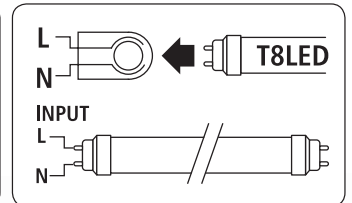
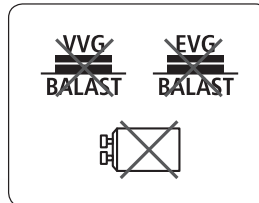
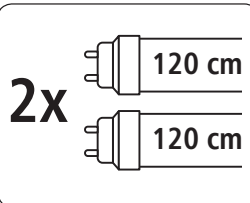
Oprawa hermetyczna na tuby LED T8

Tube type	T8 LED	T8 LED
Tube size	120 cm	120 cm
Tube number	2	2
Base	G13	G13
IP	65	65
Lamp size	1260x107x61 mm	1260x107x61 mm
Net weight	0,98 kg	0,98 kg
	HDL236	HDL236RF



+ REFLECTOR
Zwiększony strumień świetlny
Increases luminous flux

ABS + PS



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



LED Technology of saving
Dustproof lighting fitting for T8 LED tubes
 Oprawa hermetyczna na tuby LED T8
ABS+PS 2x tuba T8 LED



LED Ceiling lamp

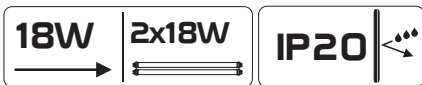
Oprawy sufitowe



4500 K natural light

~50%
Energy
Save

Power	18W
Lumen	1440
Voltage	195 - 265 V
CRI	>80
Lighting angle	120°
Temperature	4500 K
Lifetime	20 000 H
ON/OFF	> 50 000
Lamp size	592x75x26mm
Indeks HDS1802	



1440 lumen	120°	195-265V 50-60 Hz	CRI(RA) >80
PF >0.5	20.000 h	>50.000	100% w<1s



4500 K natural light cold light 6500 K cold light 6500 K

~50%
Energy
Save



2880 lumen	120°	195-265V 50-60 Hz	CRI(RA) >80
PF >0.9	20.000 h	>50.000	100% w<1s

Power	36W	36W	36W
Lumen	2880	2880	2880
Voltage	195 - 265 V	195 - 265 V	195 - 265 V
CRI	>80	>80	>80
Lighting angle	120°	120°	120°
Temperature	4500 K	6500 K	6500 K
Lifetime	20 000 H	20 000 H	20 000 H
ON/OFF	> 50 000	> 50 000	> 50 000
Lamp size	1192x75x26mm	1192x75x26mm	1192x75x26mm
HDS3602		HDS3603	





4000 K natural light 4000 K natural light

~50% Energy Save

18W	2x18W	IP 65	IK 08	1500 lumen
36W	2x36W	IP 65	IK 08	3000 lumen

120°	170-265V 50-60 Hz	CRI(RA) >80	PF >0.9	30.000 h	on/off >15.000	100% w<1s
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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
	Indeks HTP018N	Indeks HTP036N



4500 K natural light cold light 6500 K

~50% Energy Save

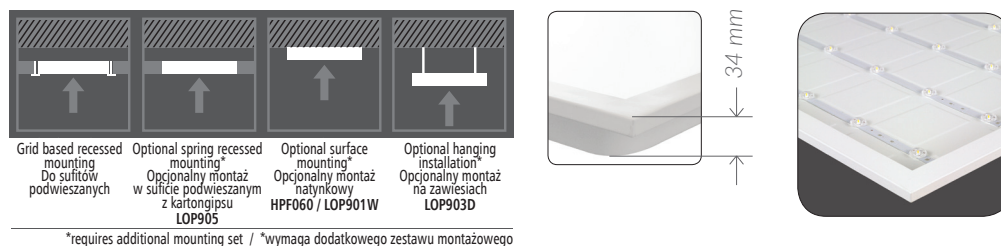
36W	2x36W	IP 65	IK 08
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2880 lumen	120°	195-265V 50-60 Hz	CRI(RA) >80
PF >0.9	20.000 h	on/off >50.000	100% w<1s

Power	36W	36W
Lumen	2880	2880
Voltage	195 - 265 V	195 - 265 V
CRI	> 80	> 80
Lighting angle	120°	120°
Temperature	4500 K	6500 K
Lifetime	20 000 H	20 000 H
ON/OFF	> 50 000	> 50 000
Lamp size	1170x60x55 mm	1170x60x55mm
	Indeks HDS102	Indeks HDS103

LED Panel Backlite 60x60

Panel LED Backlite 60x60



Zasilacz znajduje się wewnątrz oprawy.
Driver is mounted inside.



~50%
Energy
Save

4000 K natural light

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

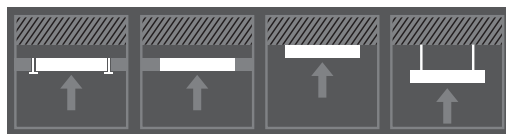
Ramka natynkowa do paneli LED 595x595 mm.

Surface - mounted frame

for LED panels 595x595 mm.

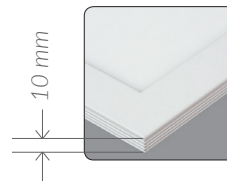
HPF060





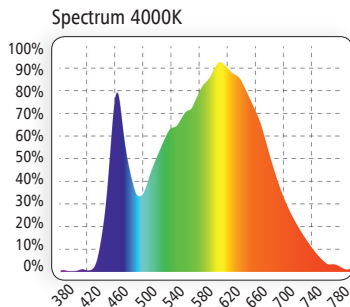
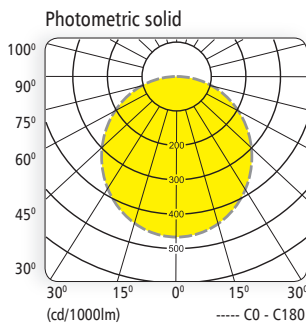
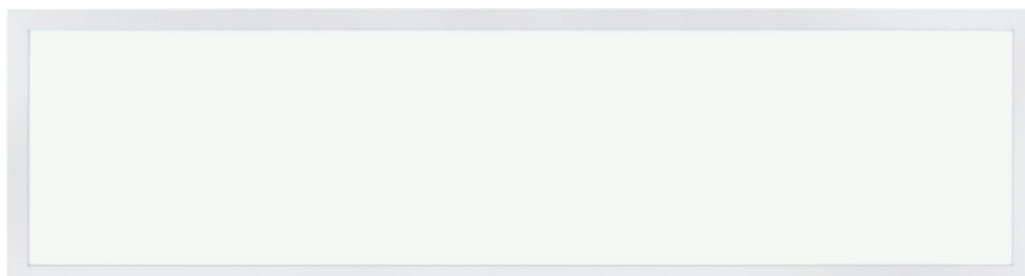
Grid based recessed mounting / Do sufitów podwieszanych
 Optional spring recessed mounting / Opcjonalny montaż w suficie podwieszanym z kartrongipsu LOP905
 Optional surface mounting / Opcjonalny montaż natynkowy HPF060 / LOP901W
 Optional hanging installation / Opcjonalny montaż na zawieszach LOP903D

*requires additional mounting set / *wymaga dodatkowego zestawu montażowego



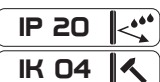
~50%
Energy Save

	4000 K	6000 K
Power	40W	40W
Lumen	4000	4000
Voltage	175-265V	175-265V
CRI	>80	>80
Lighting angle	120°	120°
Temperature	4000 K	6000 K
Lifetime	20 000 H	20 000 H
ON/OFF	> 15 000	> 15 000
Lamp size	595x595x10mm	595x595x10mm
	HPL4060E	HPL4060EC



~50%
Energy Save

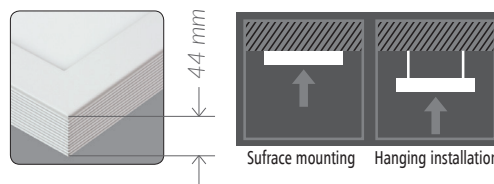
	4000 K	6000 K
Power	40W	40W
Lumen	4000	4000
Voltage	175-265V	175-265V
CRI	>80	>80
Lighting angle	120°	120°
Temperature	4000 K	6000 K
Lifetime	20 000 H	20 000 H
ON/OFF	> 15 000	> 15 000
Lamp size	295x1195x10mm	295x1195x10mm
	HPL40120E	HPL40120EC



LED Panel 60x60 / 30x120 surface mounting



Panel LED 60x60 / 30x120 natynkowy



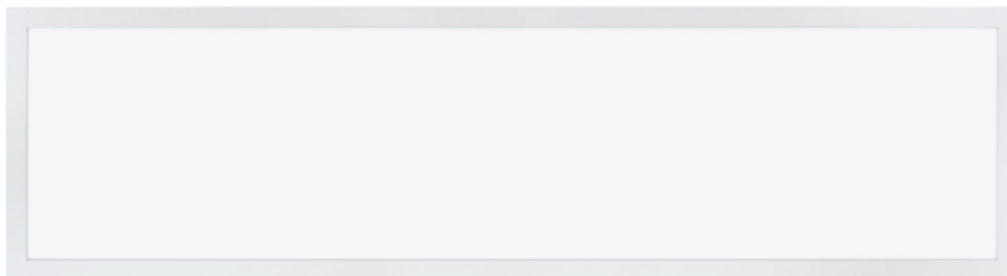
4000 K natural light

**~50%
Energy
Save**

Power	40W
Lumen	4000
Voltage	175-265V
CRI	> 80
Lighting angle	120°
Temperature	4000 K
Lifetime	20 000 H
ON/OFF	> 15 000
Lamp size	595x595x44mm
HPL4060ESM	



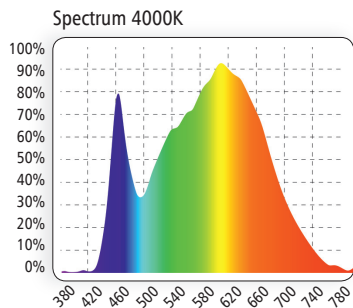
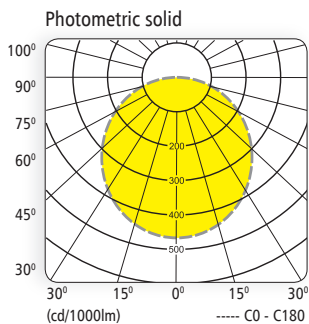
40W	4x18W	IP 20		4000 lumen		175-265V	50-60 Hz	CRI(RA) > 80	PF > 0.9		20.000 h		> 15.000	100% < 1s
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4000 K natural light

**~50%
Energy
Save**

Power	40W
Lumen	4000
Voltage	175-265V
CRI	> 80
Lighting angle	120°
Temperature	4000 K
Lifetime	20 000 H
ON/OFF	> 15 000
Lamp size	295x1195x44mm
HPL40120ESM	



40W	2x36W	IP 20		4000 lumen		175-265V	50-60 Hz	CRI(RA) > 80	PF > 0.9		20.000 h		> 15.000	100% < 1s
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IP 20

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

~85%
Energy
Save



4000 K 

Power	12W
Lumen	840
Voltage	220-240 V
CRI	>80
Lighting angle	120°
Temperature	4000 K
Lifetime	20 000 H
ON/OFF	> 15 000
Lamp size	ø255 x 55 mm

HCL1202



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

~85%
Energy
Save



4000 K 

Power	18W
Lumen	1260
Voltage	220-240 V
CRI	>80
Lighting angle	120°
Temperature	4000 K
Lifetime	20 000 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

20.000 h

on/off >15.000

100% w<1s

~85%
Energy
Save



4000 K 

Power	24W
Lumen	1680
Voltage	220-240 V
CRI	>80
Lighting angle	120°
Temperature	4000 K
Lifetime	20 000 H
ON/OFF	> 15 000
Lamp size	ø350 x 55 mm

HCL2404

Oprawy natynkowe

z czujką ruchu / with microwave sensor



840 lumen

120°

220-240V
50-60 Hz

CRI(RA)
>80

PF
>0.5

20.000 h

on/off
>15.000

100%
w<1s

IP 44

12W → 90W
30W

Microwave Sensor

~85%
Energy Save

4000 K

Power	12W
Lumen	840
Voltage	220-240 V
CRI	>80
Lighting angle	120°
Temperature	4000 K
Lifetime	20 000 H
ON/OFF	> 15 000
Lamp size	ø330 x 70 mm

G

A ↑
G

HCL1204S



1260 lumen

120°

220-240V
50-60 Hz

CRI(RA)
>80

PF
>0.5

20.000 h

on/off
>15.000

100%
w<1s

IP 44

18W → 125W
45W

Microwave Sensor

~85%
Energy Save

4000 K

Power	18W
Lumen	1260
Voltage	220-240 V
CRI	>80
Lighting angle	120°
Temperature	4000 K
Lifetime	20 000 H
ON/OFF	> 15 000
Lamp size	ø330 x 70 mm

G

A ↑
G

HCL1804S



1260 lumen

120°

220-240V
50-60 Hz

CRI(RA)
>80

PF
>0.5

20.000 h

on/off
>15.000

100%
w<1s

IP 54

18W → 125W
45W

Microwave Sensor

~85%
Energy Save

4000 K

IP54

Power	18W
Lumen	1260
Voltage	220-240 V
CRI	>80
Lighting angle	120°
Temperature	4000 K
Lifetime	20 000 H
ON/OFF	> 15 000
Lamp size	ø300 x 62 mm

G

A ↑
G

HCL1802IP



~85%
Energy
Save



4000 K natural light cold light 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	> 12 500	> 12 500
Lamp size	ø330 x 53 mm	ø330 x 53 mm
	HCP3004N	HCP3004C

30W → **375W** **98W**
IP20
3200 lumen
180-260V 50-60 Hz **CRI(RA) >80** **PF >0.9** **25.000 h** **on/off >12.500** **100% w<1s**



~85%
Energy
Save



4000 K natural light cold light 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	> 12 500	> 12 500
Lamp size	330x330x53 mm	330x330x53 mm
	HCP3014N	HCP3014C

30W → **375W** **98W**
IP20
3200 lumen
180-260V 50-60 Hz **CRI(RA) >80** **PF >0.9** **25.000 h** **on/off >12.500** **100% w<1s**

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	> 12 500
Lamp size	ø167 x 62 mm

HBL1501

15W → 150W	150W → 39W	IP 65	IK 08
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1200 lumen	120°	220-240V 50-60 Hz	CRI(RA) >80
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PF >0.5	25.000 h	on/off >12.500	100% w<1s
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IP65



3000 K warm light

~85% Energy Save

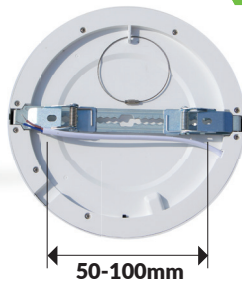
Power	15W
Lumen	1200
Voltage	220 - 240 V
CRI	>80
Lighting angle	120°
Temperature	3000 K
Lifetime	25 000 H
ON/OFF	> 12 500
Lamp size	220x120x65mm

HBL1502

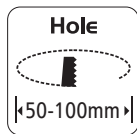
15W → 150W	150W → 39W	IP 65	IK 08
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1200 lumen	120°	220-240V 50-60 Hz	CRI(RA) >80	PF >0.5	25.000 h	on/off >12.500	100% w<1s
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50-100mm



12W → 108W
35W

IP20

1200 lumen

100°

180-260V
50-60 Hz

CRI(RA)
>80

PF
>0.5

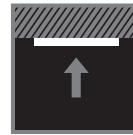
25.000 h

on/off
>12.500

100%
w<1s



Montaż w suficie podwieszanym



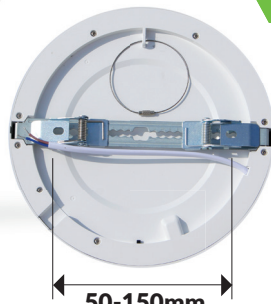
Montaż natynkowy



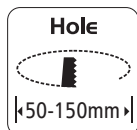
4000 K natural light 6000 K cold light

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	> 12 500	> 12 500
Lamp size	ø166 x 18 mm	ø166 x 18 mm
	HDC12RN	HDC12RC

~85%
Energy
Save



50-150mm



18W → 162W
52W

IP20

1820 lumen

100°

180-260V
50-60 Hz

CRI(RA)
>80

PF
>0.5

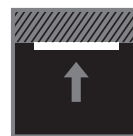
25.000 h

on/off
>12.500

100%
w<1s



Montaż w suficie podwieszanym



Montaż natynkowy



4000 K natural light 6000 K cold light

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	> 12 500	> 12 500
Lamp size	ø220 x 18 mm	ø220 x 18 mm
	HDC18RN	HDC18RC

~85%
Energy
Save

LED Downlight

Oprawy wpuszczane



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 ∅ 200 mm			





~85%
Energy
Save

Power	8W => 50W
Voltage	180-260V
CRI	>80
Lifetime	15 000 H
ON/OFF	> 7 500
Lamp size	ø78x52 mm



	HDW083NN	HDW083MC
Lumen	640	640
Lighting angle	38°	60°
Temperature	4000 K	6500 K

8W → 50W	IP40	640 lumen	180-260V 50-60 Hz	CRI(RA) >80	PF >0.5	15.000 h	>7 500		Hole < 65mm >
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~85%
Energy
Save

Power	8W => 50W
Voltage	180-260V
CRI	>80
Lifetime	15 000 H
ON/OFF	> 7 500
Lamp size	ø78x52 mm



	HDW081MN	HDW081WN	HDW081MC	HDW081WC
Lumen	640	640	640	640
Lighting angle	60°	100°	60°	100°
Temperature	4000 K	4000 K	6500 K	6500 K



8W → 50W	IP40	640 lumen	180-260V 50-60 Hz	CRI(RA) >80	PF >0.5	15.000 h	>7 500		Hole < 65mm >
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Power	8W => 50W
Voltage	180-260V
CRI	>80
Lifetime	15 000 H
ON/OFF	> 7 500
Lamp size	ø74x52 mm

~85%
Energy
Save



HDW084NN **HDW084MC**

Lumen	640	640
Lighting angle	38°	60°
Temperature	4000 K	6500 K



8W | 50W IP40 640 lumen | 180-260V 50-60 Hz | CRI(RA) >80 | PF >0.5 | 15.000 h | on/off Hole < 65MM >

4000 K natural light | cold light 6000 K



Power	8W => 50W
Voltage	180-260V
CRI	>80
Lifetime	15 000 H
ON/OFF	> 7 500
Lamp size	ø74x52 mm

~85%
Energy
Save



HDW082MN **HDW082WN** **HDW082MC** **HDW082WC**

Lumen	640	640	640	640
Lighting angle	60°	100°	60°	100°
Temperature	4000 K	4000 K	6500 K	6500 K



8W | 50W IP40 640 lumen | 180-260V 50-60 Hz | CRI(RA) >80 | PF >0.5 | 15.000 h | on/off Hole < 65MM >



Power	9W	9W	9W
Lumen	600	620	650
Voltage	180-260	180-260	180-260
CRI	>80	>80	>80
Lighting angle	120°	120°	120°
Temperature	3000 K	4000 K	6500 K
Lifetime	15 000 H	15 000 H	15 000 H
ON/OFF	> 7 500	> 7 500	> 7 500
Lamp size	ø146x25,5mm	ø146x25,5mm	ø146x25,5mm
Indeks	HDW09RW	HDW09RN	HDW09RC

9W → 81W
26W

IP40

SURFACE MOUNTING FRAME
HDWF15R

Hole
< 130MM >

600 LM
HDW09RW

620 LM
HDW09RN

650 LM
HDW09RC

180-260V
50-60 Hz

CRI(RA)
>80

PF
>0.5

15.000 h

on/off
>7 500



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	15 000 H	15 000 H	15 000 H
ON/OFF	> 7 500	> 7 500	> 7 500
Lamp size	ø170x25,5mm	ø170x25,5mm	ø170x25,5mm
Indeks	HDW12RW	HDW12RN	HDW12RC

12W → 112W
36W

IP40

SURFACE MOUNTING FRAME
HDWF17R

Hole
< 155MM >

800 LM
HDW12RW

850 LM
HDW12RN

900 LM
HDW12RC

180-260V
50-60 Hz

CRI(RA)
>80

PF
>0.5

15.000 h

on/off
>7 500



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	15 000 H	15 000 H	15 000 H
ON/OFF	> 7 500	> 7 500	> 7 500
Lamp size	ø224x25,5mm	ø224x25,5mm	ø224x25,5mm
Indeks	HDW18RW	HDW18RN	HDW18RC

18W → 168W
54W

IP40

SURFACE MOUNTING FRAME
HDWF22R

Hole
< 210MM >

1260 LM
HDW18RW

1300 LM
HDW18RN

1350 LM
HDW18RC

180-260V
50-60 Hz

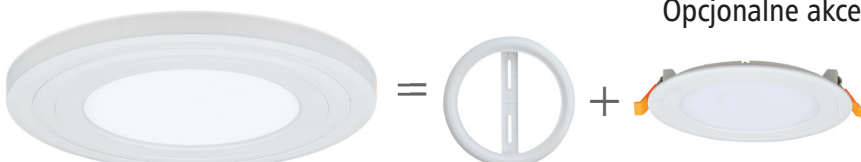
CRI(RA)
>80

PF
>0.5

15.000 h

on/off
>7 500

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



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

~85%
Energy
Save



Power	9W	9W	9W
Lumen	600	620	650
Voltage	180-260	180-260	180-260
CRI	>80	>80	>80
Lighting angle	120°	120°	120°
Temperature	3000 K	4000 K	6500 K
Lifetime	15 000 H	15 000 H	15 000 H
ON/OFF	> 7 500	> 7 500	> 7 500
Lamp size	147x147x25.5mm	147x147x25.5mm	147x147x25.5mm
Indeks	HDW09SW	HDW09SN	HDW09SC



600 LM HDW09SW	620 LM HDW09SN	650 LM HDW09SC	180-260V 50-60 Hz	CRI(RA) >80	PF >0.5	15.000 h	on/off >7 500	Hole < 130MM >	SURFACE MOUNTING FRAME HDWF15S	9W → 81W 26W	IP40
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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	15 000 H	15 000 H	15 000 H
ON/OFF	> 7 500	> 7 500	> 7 500
Lamp size	201.5x201.5x25.5mm	201.5x201.5x25.5mm	201.5x201.5x25.5mm
Indeks	HDW12SW	HDW12SN	HDW12SC



800 LM HDW12SW	850 LM HDW12SN	900 LM HDW12SC	180-260V 50-60 Hz	CRI(RA) >80	PF >0.5	15.000 h	on/off >7 500	Hole < 185MM >	SURFACE MOUNTING FRAME HDWF20S	12W → 112W 36W	IP40
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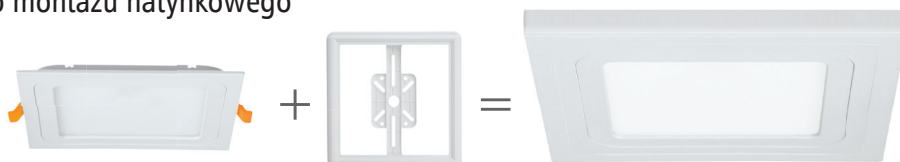
Power	18W	18W	18W
Lumen	1260	1300	1350
Voltage	180-260	180-260	180-260
CRI	>80	>80	>80
Lighting angle	120°	120°	120°
Temperature	3000 K	4000 K	6500 K
Lifetime	15 000 H	15 000 H	15 000 H
ON/OFF	> 7 500	> 7 500	> 7 500
Lamp size	201.5x201.5x25.5mm	201.5x201.5x25.5mm	201.5x201.5x25.5mm
Indeks	HDW18SW	HDW18SN	HDW18SC



1260 LM HDW18SW	1300 LM HDW18SN	1350 LM HDW18SC	180-260V 50-60 Hz	CRI(RA) >80	PF >0.5	15.000 h	on/off >7 500	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



4000 K  natural light  cold light 6000 K



~85%
Energy Save



10W | 60W  IP 65  PF >0.9

Power
Lumen
Voltage
CRI
Lighting angle
Temperature
Lifetime
ON/OFF
Lamp size

10W
800
220 - 240 V
> 70
120°
4000 K
25 000 H
> 15 000
78x60x42,9mm

10W
800
220 - 240 V
> 70
120°
6000 K
25 000 H
> 15 000
78x60x42,9mm

Indeks **HFL110N**

Indeks **HFL110C**



~85%
Energy Save



20W | 120W  IP 65  PF >0.9

Power
Lumen
Voltage
CRI
Lighting angle
Temperature
Lifetime
ON/OFF
Lamp size

20W
1600
220 - 240 V
> 70
120°
4000 K
25 000 H
> 15 000
112x76x43mm

20W
1600
220 - 240 V
> 70
120°
6000 K
25 000 H
> 15 000
112x76x43mm

Indeks **HFL120N**

Indeks **HFL120C**



~85%
Energy Save



30W | 180W  IP 65  PF >0.9

Power
Lumen
Voltage
CRI
Lighting angle
Temperature
Lifetime
ON/OFF
Lamp size

30W
2400
220 - 240 V
> 70
120°
4000 K
25 000 H
> 15 000
143x95x43mm

30W
2400
220 - 240 V
> 70
120°
6000 K
25 000 H
> 15 000
143x95x43mm

Indeks **HFL130N**

Indeks **HFL130C**



~85%
Energy Save



50W | 300W  IP 65  PF >0.9

Power
Lumen
Voltage
CRI
Lighting angle
Temperature
Lifetime
ON/OFF
Lamp size

50W
4000
220 - 240 V
> 70
120°
4000 K
25 000 H
> 15 000
185x140x43mm

50W
4000
220 - 240 V
> 70
120°
6000 K
25 000 H
> 15 000
185x140x43mm

Indeks **HFL150N**

Indeks **HFL150C**



100W | 600W
IP 65 | IK 08 | PF >0.9

~85%
Energy
Save

G A ↑

4000 K natural light 6000 K cold light

Power	100W	100W
Lumen	8000	8000
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

Indeks **HFL910N**

Indeks **HFL910C**



20W | 120W
IP 44 | IK 08 | PF >0.9



~85%
Energy
Save

G A ↑

Power	20W	20W
Lumen	1600	1600
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	134x61x163mm	134x61x163mm

Indeks **HFL120NS**

Indeks **HFL120CS**



50W | 300W
IP 44 | IK 08 | PF >0.9



~85%
Energy
Save

G A ↑

Power	50W	50W
Lumen	4000	4000
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	196x61x216mm	196x61x216mm

Indeks **HFL150NS**

Indeks **HFL150CS**



IP65

3000 K warm light

~85%
Energy
Save

Power	20W
Lumen	1600
Voltage	180-260V
CRI	>80
Lighting angle	120°
Temperature	3000 K
Lifetime	15 000 H
ON/OFF	> 7 500
Lamp size	296x146x76 mm

HBL020S

20W → 200W 52W IP 65 IK 08



1600 lumen 120° 180-260V 50-60 Hz CRI(RA) >80

PF >0.5 15.000 h on/off >7.500 100% <1s

G A ↑ G



IP65

3000 K warm light

~85%
Energy
Save

Power	20W
Lumen	1600
Voltage	180-260V
CRI	>80
Lighting angle	120°
Temperature	3000 K
Lifetime	15 000 H
ON/OFF	> 7 500
Lamp size	296x146x76 mm

HBL020

Zawiera zestaw liter i cyfr.
Contains set of letters and numbers.

20W → 200W 52W IP 65 IK 08

1600 lumen 120° 180-260V 50-60 Hz CRI(RA) >80 PF >0.5 15.000 h on/off >7.500 100% <1s

G A ↑ G

LED High Bay

High Bay LED



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	> 25 000
Lamp size	ø 230 x 88 mm

HHB100

E A ↑ G



100W IP 65 IK 08

12000 lumen 120° 175-265V 50-60 Hz CRI(RA) >70 PF >0.9 50.000 h on/off >25000 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	> 25 000
Lamp size	ø 260 x 88 mm

HHB150

E A ↑ G

150W IP 65 IK 08 18000 lumen 120° 175-265V 50-60 Hz CRI(RA) >70 PF >0.9 50.000 h on/off >25000 100% w<1s

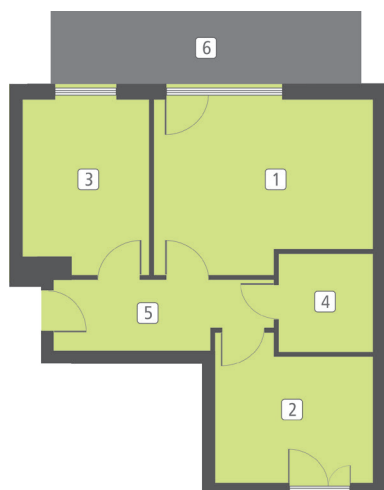


LED Bulbs are pure profit

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	12W E27	10W 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	
Bulbs quantity / Ilość źródeł	1	1	5	21	Power summary (W) / Suma mocy (W)	1	1	5	21	
Power consumption / Pobór mocy	100	75	300	840	1350	200	15	12	50	126

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

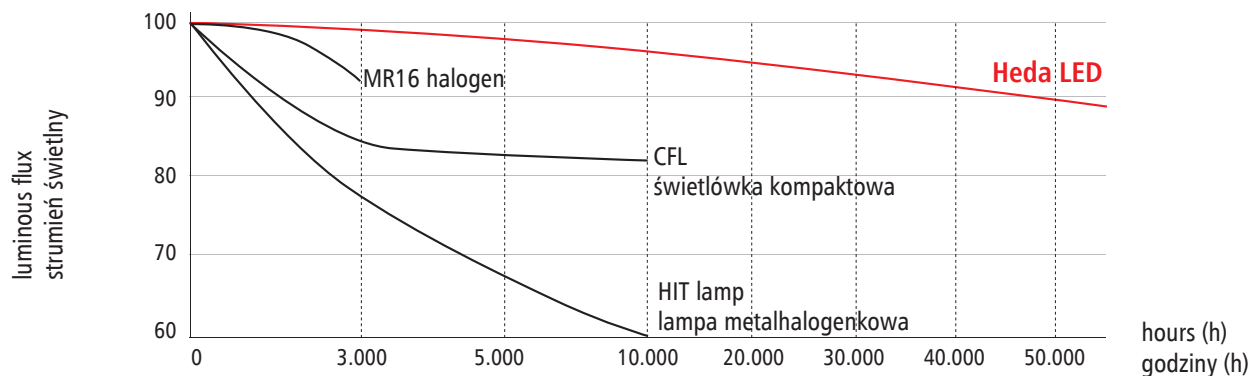


LED bulb HEDA HD101
Źródło światła LED np. HEDA HD101

Power consumption	60W	50W -> 60W	14W -> 60W	10W -> 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	10W -> 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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