

NEW!

LED finally pays off!

**Energy-efficient LED lighting for
your poultry house amortized after
only six months.**



Big Dutchman®

BD LED bulb

- ✓ **Saves up to 90 % energy***
- ✓ Fully dimmable 0 to 100 %
- ✓ Zero flicker
- ✓ Uniform light distribution
- ✓ Energy class A+
- ✓ Rapid amortization of the costs for replacing light bulbs with LED lamps
- ✓ Easy replacing
- ✓ No overheating in the closed housing
- ✓ Maximum electromagnetic compatibility in the power grid (no power surges, flickering or harmonic waves)
- ✓ High-quality, robust aluminium housing for optimum heat conduction
- ✓ Equipped with very efficient high-power LED lamps
- ✓ 200° beam angle
- ✓ Free from mercury and harmful fumes

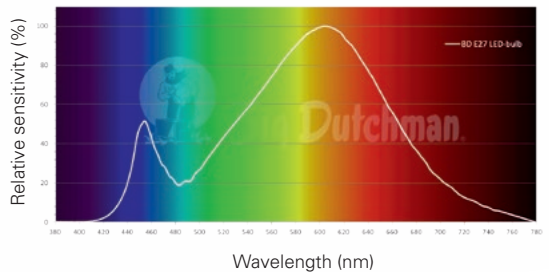
*This value may vary due to different factors. Only the use of the BD LED ERS dimmer enables you to benefit from all advantages.



TECHNICAL DATA

| | |
|--------------|--------------------------------------|
| Power | 5.3 watts |
| Light | 400 lumen (equal to 40 watt bulb) |
| Colour temp. | 2700 K (warm white) |
| Service life | 25,000 hours |
| Dimmable | 0 - 100 % |
| Energy class | A+ |
| Warranty | 2 years |

Optical spectrum



BD LED ERS dimmer

The special Big Dutchman ERS dimmer is the principal asset to achieve the highest efficiency and a long service life of the LED lamp!

- ✓ ~ 92 % efficiency
- ✓ Maximum electromagnetic compatibility in the power grid (no power surges, flickering or harmonic waves)
- ✓ Bypass switch
- ✓ Overload protection
- ✓ Manual access
- ✓ Protection class IP 54
- ✓ Adjustable output voltage
- ✓ Soft dimming
- ✓ 0 - 10 V control input
- ✓ External input for indicator light
- ✓ Available in two versions: 4 A and 10 A



TECHNICAL DATA

| | |
|------------------------------------|--------------------------|
| Voltage | 208 - 277 VAC |
| Frequency | 50 - 60 Hz |
| Electric current = No. of lamps | 4 A or 10 A 65 or 160 |
| Lighting control | 0 - 10 V |

Energy-saving potential with BD LED lamps

| 160 LED lamps: | 100 % dimming | | 50 % dimming | |
|---|-------------------|---------------------|-------------------|---------------------|
| | Light bulb (40 W) | BD LED lamp | Light bulb (40 W) | BD LED lamp |
| Service life (in use 15 hrs per day) | ca 0.3 years | ca 4.6 years | ca 0.3 years | ca 4.6 years |
| Purchase price (lamps + dimmer) | in use | €3914 | in use | €3914 |
| Energy costs | €0.20 per kWh | | €0.20 per kWh | |
| Operating costs per year | €8193 | €1503 | €6441 | €925 |
| Savings per year | | €6690 | | €5516 |
| Amortization | | ca 0.6 years | | ca 0.7 years |



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