

**beLine70AHV 145 W**

only available with PowerBox

2018

light source **60 x OSRAM**

total consumption **145 W ± 5 %**

LED output @ **+ 25 °C      + 50 °C      + 80 °C**

total lm (LED) **22.882 lm    21.966 lm    20.594 lm**

lm / wat (LED) **158 lm/wat    151 lm/wat    142 lm/wat**

T<sub>J</sub> (°C) **65 °C      85 °C      100 °C**

luminaire output @ 25 °C **20.209 lm - 21.966 lm**

LED working @ **35% [700 mA]**

input voltage **PowerBox 200 [192VDC]**

LED driver **Inventronics LED driver in PowerBox**

LED driver efficiency **93,0%**

power factor @ full power **99%**

colour temperature **4000 K**

CRI **> 70**

secondary optics **no optics, N, W, WW, WWW**

radio dimming **standard in PowerBox**

PIR sensor **not available**

operating temperature **-30 °C to +80 °C**

mounting height **8 m to 40 m**

lamp lifespan **L70@70.000 hrs@80°C**

warranty on all components **50.000 hrs or 5 years**

housing – heatsink **extruded 99,7% aluminum**

optics cover **3.2 mm extra white tempered glass**

connection **IP66 connector**

cooling surface **0,82 m2**

IP rating **IP65**

IK code **IK08**

protection class IEC **class I**

rough service mark **YES**

lamp dimensions **A/B/C = 425/315/130 mm**

lamp weight **7,7 kg**

packaging dimensions **A/B/C = 525/320/150 mm**

packaging weight **7,2 kg**



**Photometric curves**



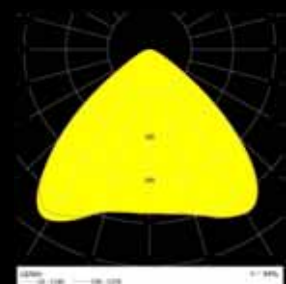
N NARROW(30°)



W WIDE(49°)



WW VERYWIDE(64°)



WWW VERYVERYWIDE(104°)

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Lamp version	optics	lm output	efficiency
145W beLine 70AHV [FR] - 60OGWN470-00FREE00-400A1	<b>NO OPTICS</b>	21.966 lm	151 lm/wat
145W beLine 70AHV [N] - 60OGWN470-00C13233-400A1	<b>N (NARROW)</b>	20.429 lm	141 lm/wat
145W beLine 70AHV [W] - 60OGWN470-00C14605-400A1	<b>W (WIDE)</b>	20.649 lm	142 lm/wat
145W beLine 70AHV [WW] - 60OGWN470-00C14606-400A1	<b>WW (VERYWIDE)</b>	20.209 lm	139 lm/wat
145W beLine 70AHV [WWW] - 60OGWN470-00C14724-400A1	<b>WWW (VERYVERYWIDE)</b>	20.649 lm	142 lm/wat

### PowerBox connection

All beLine70AHV lamps are only available with the PowerBox unit.

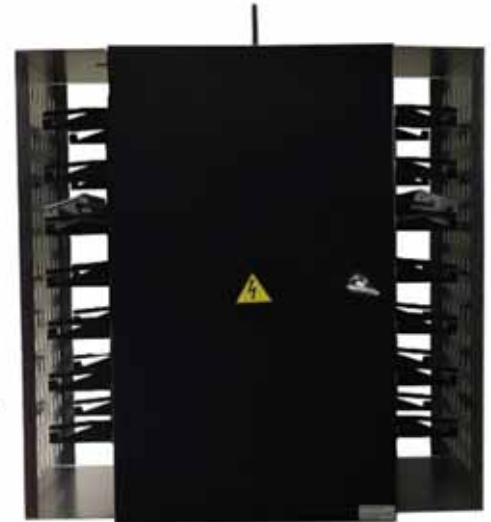
*All beLine70AHV lamps have no LED driver inside the lamp due to HIGH temperatures they can be used on.*

*All beLine70AHV lamps can not be plugged to a standard 100VAC or 230VAC system but on PowerBox DC system.*

*The cable from PowerBox unit to beLine 70AHV lamp has to be 2x1,5mm<sup>2</sup> to prevent major voltage loses on cables.*

beLine 70AHV lams can be installed up to 100 m from the POERBOX unit under DC current.

For technical details and installation note please refere to PowerBox datasheet.



### Mounting kit options



Reflector MC



Wall MC



Low ceiling MC



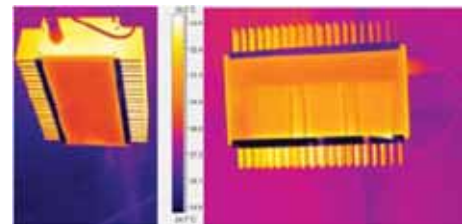
Steel chain



Wire hanging kit

### Heat sink design

Unique linear design with vertical ribs allows the LEDs to have an optimal heat dissipation without a worry of them overheating. Side vertical ribs allow the dust to fall off the lamp and prevent accumulation of dust on the vital parts of the lamp.



### Certificates and protection