

beLine70AHV 85 W

only available with PowerBox

2018

light source **32 x OSRAM**

total consumption **85 W ± 5 %**

LED output @ **+25 °C +50 °C +80 °C**

total lm (LED) **13.246 lm 12.717 lm 11.922 lm**

lm / wat (LED) **156 lm/wat 150 lm/wat 140 lm/wat**

T_J (°C) **65 °C 85 °C 100 °C**

luminaire output @ 25 °C **11.699 lm - 12.717 lm**

LED working @ **45% [900 mA]**

input voltage **PowerBox 100 [96VDC]**

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 **0,62 m2**

IP rating **IP65**

IK code **IK08**

protection class IEC **class I**

rough service mark **YES**

lamp dimensions **A/B/C = 325/315/130 mm**

lamp weight **6,2 kg**

packaging dimensions **A/B/C = 425/320/150 mm**

packaging weight **5,7 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
85W beLine 70AHV [FR] - 32OGWN470-30FREE00-300A1	NO OPTICS	12.717 lm	150 lm/wat
85W beLine 70AHV [N] - 32OGWN470-30C13233-300A1	N (NARROW)	11.826 lm	139 lm/wat
85W beLine 70AHV [W] - 32OGWN470-30C14605-300A1	W (WIDE)	11.954 lm	141 lm/wat
85W beLine 70AHV [WW] - 32OGWN470-30C14606-300A1	WW (VERYWIDE)	11.699 lm	138 lm/wat
85W beLine 70AHV [WWW] - 32OGWN470-30C14724-300A1	WWW (VERYVERYWIDE)	11.954 lm	141 lm/wat

PowerBox connection

All beLine70AHV lamps are only available with the PowerBox unit.

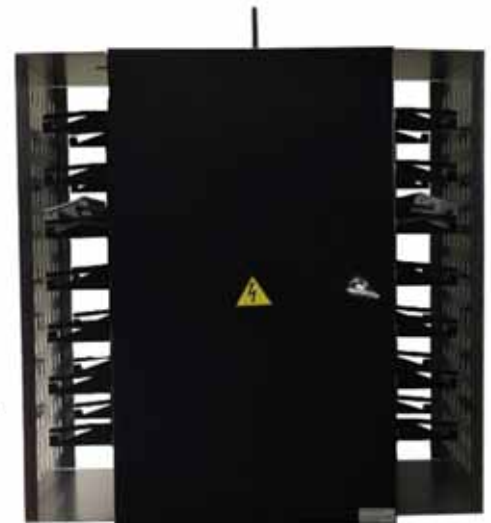
All beLine70AHV lamps have no LED driver inside the lamp due to HIGH temperatures they can be used on.

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 2x1,5mm² 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



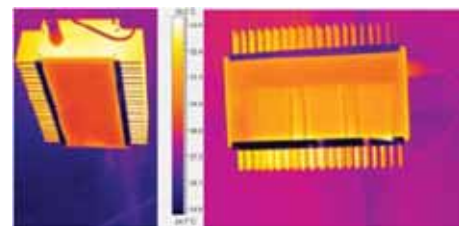
Steel chain



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