

# ecoNoon<sup>®</sup>

*a LED Lighting Company*



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# HB series



### Physical Characteristics:

Body:	Coated Steel
Lens:	Polycarbonate
Colour:	Silver Grey/white
Mounting:	Surface/Hanging

### Physical Characteristics:

Supply voltage:	90-270V AC
Mains frequency:	50/60 Hz
Power factor:	>0.9
Driver:	Wintek <sup>1</sup>

### LED module:

<b>Econoos SB2*</b>	
Body:	Aluminium
LED:	Cree
Secondary Optics:	PMMA

### Performance & Optical Characteristics:

Rated Life (L70):	50,000 hour
CCT (K):	3000, 5000
CRI:	>70

**Standards Compliance:** EN 60598-1, EN 60598-2-3, EN 62031, EN 62471, EN 55015, EN 61000-3-2, EN 61000-3-3, EN 61547  
RoHS

<sup>1</sup> Wintek drivers (TUV, CM, CE, UL certified)

\* specification of Econoon SB2 available

## HB models

	<b>HB1</b>	<b>HB2</b>	<b>HB4</b>
Rated Power (W)	74.5	149	298
Lumens	7114	14228	28456
Efficacy (lm/W)	95.5	95.5	95.5
Distribution Pattern	Asymmetrical, 100°X23°, 121°X119°		
Dimension (LxWxH mm)	320X100X180 <sup>3</sup>	500X262X152 <sup>2</sup> 320X200X180 <sup>3</sup>	500X475X152 <sup>2</sup> 320X425X180 <sup>3</sup>
Weight (kg)	2.7	8.5 <sup>2</sup> 4.5 <sup>3</sup>	13.5 <sup>2</sup> 8.8 <sup>3</sup>
Order Code	HB1-075-aaaa-bbbbbb-c	HB2-150-aaaa-bbbbbb-c	HB4-300-aaaa-bbbbbb-c
	aaaa - colour temperature (CCT) bbbbb - distribution pattern c - box (b)** or open (o) type		

\*\* performance data is based on 25°C ambient temperature

\*\*\* box type is suitable for low temperature environment only

<sup>2</sup> box type

<sup>3</sup> open type

**Application Guide**

The Econoon HB series is suitable for general and specific warehouse and industrial lighting purpose. The table below provides a general guidance on its application for different luminaire heights.

<b>Model: HB1-072-14219-O</b>		<b>Application: General Warehouse</b>				
Luminaire Spacing (m x m)	Luminaire Height (m)					
	7		8		9	
	Eav	Emax	Eav	Emax	Eav	Emax
6 X 6	171	198	168	198	167	197
7 X 7	130	149	128	147	126	146

<b>Model: HB2-149-14219-O</b>		<b>Application: General Warehouse</b>				
Luminaire Spacing (m x m)	Luminaire Height (m)					
	7		8		9	
	Eav	Emax	Eav	Emax	Eav	Emax
6 X 6	358	412	347	400	335	396
7 X 7	264	307	260	298	257	295
8 X 8	197	242	194	233	189	225
9 X 9	152	195	149	188	146	181

Eav and Emax are average illuminance and maximum illuminance in lux at floor level respectively  
Other applications data are available from Econoon

**Comparison between HB2 and 400W HPS for installation in 12m high warehouse**

Before



Lights - 400W HPS  
Illumination at floor level - 250 lux

After



Lights - 132W HB2  
Illumination at floor level - 420 lux





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