



# Heavy Duty E40 Highbay Lamp

100W

**Applications:** Industrial and Commercial Applications.

**P**ioLED Retrofit E40 LED Lamps are extremely powerful, and are designed to illuminate expansive spaces such as warehouses.

Poor lighting can affect the quality of work, specifically in situations where precision is required. It can also lead to eye-strain, fatigue, headaches, stress, accidents and a reduction in overall productivity.

Our 100W is a direct replacement for 250W HID lamps, while the 150W replaces 400W HID lamps.

Rated IP50 and in 6000K colour temperature, these lamps can be used in commercial and industrial applications. Their high CRI and 90-degree beam angle provide direct illumination for maximum performance.

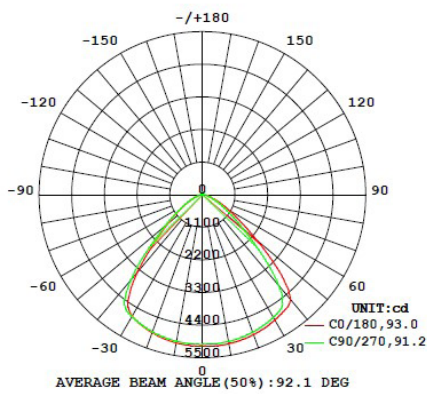
## Product Performance

<b>Wattage</b>	100W
<b>Colour Temperature &amp; Stock Code</b>	5700K - HB008
<b>Operating Temperature</b>	-20~40°C
<b>Life Span/ LB Rating</b>	L80B10@30000hr
<b>IP Rating</b>	IP50
<b>LED Driver</b>	High Spec PiOLED Driver
<b>Beam Angle</b>	90°
<b>Impact Protection Grade</b>	IK05
<b>Input Voltage</b>	180V-300V
<b>Surge Protection</b>	2kV
<b>Power Factor</b>	0.95
<b>CRI</b>	80
<b>Lumen Output</b>	12 000 Lumens
<b>Lumen Efficiency</b>	120
<b>LED Chips</b>	2835 SMD
<b>LED Chips Qty</b>	175
<b>LED Chip Brand</b>	Philips
<b>Dimmable</b>	Non-Dimmable
<b>Dimmable Range</b>	None
<b>(Dali/Trailing/Leading)</b>	None
<b>UGR</b>	27

## Physical Characteristics

<b>Weight (g)</b>	740
<b>Housing Material</b>	Aluminum
<b>Product Dimensions (mm)</b>	φ190*251mm
<b>Cable Length</b>	None
<b>Mounting Option</b>	E40
<b>Bracket Material</b>	None
<b>Bolts and Screws</b>	304 Stainless Steel

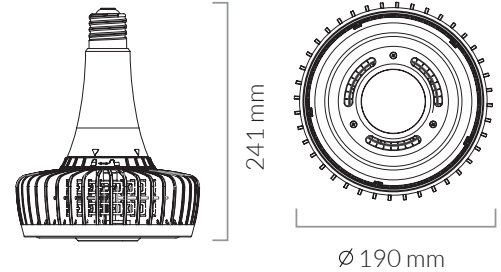
## Luminous Intensity Distribution Diagram



## Packaging



## Dimension Drawing



## Technical Parameters

<b>Input Current</b>	0.47A
<b>Output Voltage</b>	180V
<b>Humidity</b>	20%-90%
<b>Frequency</b>	50/60Hz
<b>In Rush Current</b>	None
<b>Output Current</b>	600mA
<b>THD</b>	<20%
<b>TA &amp; TC</b>	TA=45/TC=90
<b>IES (Yes or No)</b>	Yes
<b>Regulatory Qualifications</b>	
<b>Class Rating</b>	Class II
<b>Energy Efficiency</b>	>90%
<b>Certification</b>	CE, RoHS
<b>Accessories</b>	
<b>Optional accessories</b>	None
<b>Packaging info</b>	
<b>Storage Temp</b>	-20~+70°
<b>Carton Size (mm)</b>	455*325*360mm
<b>QTY/CTN</b>	6
<b>Net Weight</b>	5.52
<b>Gross Weight</b>	6.26