

POWERBAY 100W LED HIGHBAY, IP65, 180Lm/W, 1-10V dimmable, 5000K

This modern looking fitting has an "All Around" IP65 rating and provides solutions for high mounting height lighting applications in many diverse environments. Making huge energy savings compared to traditional light sources, even greater savings can be achieved using the standard dimmable driver and optional Robus sensors



#### Applications:

- Warehouses & storage areas
- Factories
- Manufacturing & Assembly areas
- Bus or coach garages
- Gymnasiums & sports halls
- Agricultural buildings
- Shopping centres & superstores
- Airports buildings

#### Construction:

Die cast aluminium body  
 Black powder coating finish  
 Clear polycarbonate LED cover  
 Stainless steel mounting eye  
 Stainless steel screws and fixings  
 Aluminium/FR4 Composite PCB

#### Features and Benefits:

- This fitting has a light output of around 30% greater than most 100W fittings making cost and energy saving as fewer are needed
- The body is manufactured from die-cast aluminium for excellent heat management to enhance LED and driver life
- This also means that it's strong and durable with a high impact rating so it's not so easily damaged by the occasional fork-lift knock or sporting activities.
- The product utilises a clear Polycarbonate LED cover with seal which means the impact rating is much higher, beneficial for use in sports or industrial applications and has an IP65 rating so can be installed in damp or dusty environments
- The rear of the body has several pre-drilled and tapped fixing holes where an additional safety mounting wire can be attached if required
- A black powder coat finish ensures the fitting will always look good without aluminium oxidisation
- All fixings are stainless steel
- The fitting has a stainless steel mounting eye with locking screw and is pre-wired with 2m of 3 core flexible rubber cable & Swift Connector so provides for fast and simple mounting and connection
- Surface Mounting Brackets are also available for alternative mounting options
- The design utilises LM80 & TM21 independently tested SMD LED's for
  - Exceptional light output to replace MH "one for one"
  - Low power consumption for 50% energy savings
  - Up to 5 times longer life than MH, providing huge lamp change, labour & access equipment cost savings
- The fitting has an integral high quality 1-10VDC dimmable constant current driver for standard on/off switching, or with optional Daylight Harvest Sensor, provides automatic daylight linked dimming to further reduce energy consumption
- Utilising Solid state technology means that it:
  - Is rugged with no heat filaments or electrodes to prematurely fail due to building vibration & hot to cold temperature variations
  - Can be switched by external microwave, PIR or photocell
  - Has no warm-up or cool-down time so can have short time delay switching for even greater energy savings
- The PowerBay has a wide operating ambient temperature range so is:
  - Ideal for unheated buildings and those that may have a wide variation in day to night temperatures
  - Suitable for installation in hot environments such as steel processing or colder areas such as chilled rooms or Freezer Applications

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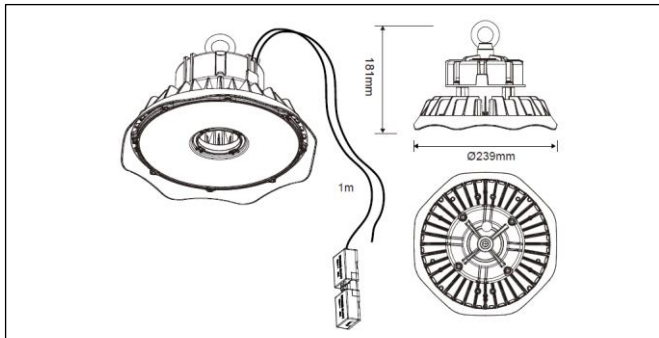
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POWERBAY 100W LED HIGHBAY, IP65, 180Lm/W, 1-10V dimmable, 5000K

Product Code:	RPB10050DAS-04
Comparable to:	300W metal halide
Total Power (W):	99.6
Total Light Output (lm):	18,350
Efficacy (lm / cctW):	184
Illuminance at 1m (Lux):	6,490
Beam Angle (deg):	110
CCT (K):	5,000
CRI (Ra):	80
Rated Life (hrs):	50,000
Warranty (yrs):	5
Ingress Protection (IP):	65
Impact Rating (IK):	09
Operating Temperature (°C):	-25 ≤ Ta ≤ +45
Operating Voltage (Vac):	220-240
Power Factor (PF):	0.95
Height (mm):	181
Diameter (mm):	239
Box Qty:	1
Weight (kg):	1.98



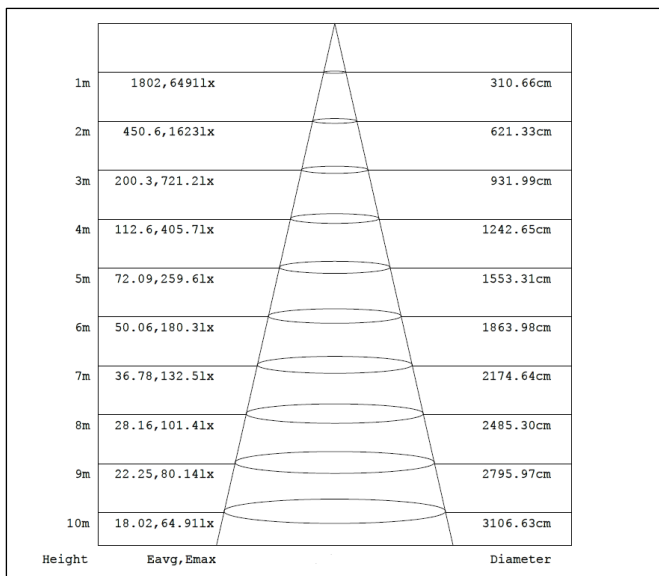
**Accessories:**

- RSNB4-S** Surface mounting bracket
- RDLHRV-HMW32S** Daylight harvest sensor
- RRD360MW** Microwave sensor
- RPIRMW-HIM31S** PIR and Microwave sensor combo

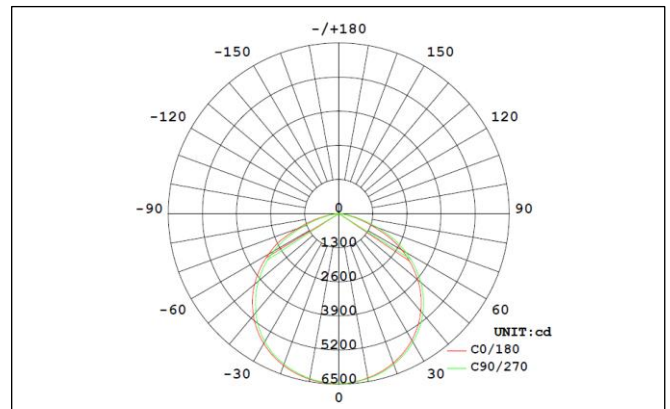
**Standards & Approvals:**

Complies with: EN 60598-1, EN 60598-2-2, EN 62471, EN 62493, EN 55015, EN 61000-3-2, EN 61000-3-3, BS 476-21, EN 61374-1, EN 61374-2-13, EN61547, EN62031

**Cone Illuminance Diagram:**



**Polar Intensity Diagram:**



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