

SONIC 100W, 150W and 200W LED HIGHBAY, IP65, 130Lm/W, 1-10V dimmable, 4000K and 5000K

With an "All Around" IP65 rating, the latest Sonic range of fittings now includes a passive thermal pipe for enhanced cooling. It provides solutions for high, medium, or low height lighting applications in many diverse environments whilst making huge energy savings compared to traditional light sources. Even greater savings can be achieved using the 1-10v dimmable driver included as standard together with optional Robus sensors



**Applications:**

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

**Construction:**

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

**Features and Benefits:**

- There is a complete energy saving range of lumen packages to replace traditional MH up to 400W
- A black powder coat finish ensures the fitting will always look good without aluminium oxidisation
- The body is manufactured from die-cast aluminium for excellent heat management to enhance LED and driver life
- An integrated thermal pipe encourages air through the pipe to dissipate heat for enhanced LED cooling and long 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 range 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
- 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 so provides for fast and simple mounting and connection
- Surface Mounting Brackets are available for all packages
- The design utilises LM80 & TM21 independently tested SMD LED's for:
  - Exceptional light output to replace MH "one for one"
  - Low power consumption for around 50% energy savings
  - Qualification for government efficiency incentives
  - 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 and/or photocell
  - Has no warm-up or cool-down time so can have short time delay switching for even greater energy savings
- The Sonic 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
- This also makes it suitable for installation in hot environments such as steel processing or colder areas such as chilled rooms or Freezer Applications

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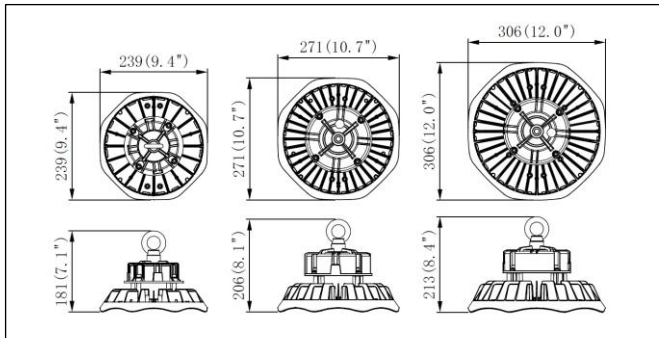
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SONIC 100W, 150W and 200W LED HIGHBAY, IP65, 130Lm/W, 1-10V dimmable, 4000K and 5000K

Product Code: 4000K: 5000K:	RSN10040DAS4-04 RSN10050DAS4-04	RSN15040DAS4-04 RSN15050DAS4-04	RSN20040DAS4-04 RSN20050DAS4-04
<b>Comparable to:</b>	200W metal halide	300W metal halide	400W metal halide
<b>Total Power (W):</b>	97.2/98.4	143.8/148.1	192.8/195.6
<b>Total Light Output (lm):</b>	13,510/13,810	19,130/20,490	27,140/27,920
<b>Emergency Mode Light Output (lm):</b>	650/650	700/700	740/740
<b>Efficacy (lm / cctW):</b>	139/140	133/138	141/143
<b>Illuminance at 1m (Lux):</b>	4,770/4,870	6,750/7,220	9,580/9,790
<b>Emergency Mode illuminance at 1m (lx):</b>	230/230	240/240	260/260
<b>Beam Angle (deg):</b>	110	110	110
<b>CCT (K):</b>	4,000/5,000	4,000/5,000	4,000/5,000
<b>CRI (Ra):</b>	80	80	80
<b>Rated Life (hrs):</b>	50,000	50,000	50,000
<b>Warranty (yrs):</b>	5	5	5
<b>Ingress Protection (IP):</b>	65	65	65
<b>Impact Rating (IK):</b>	09	09	09
<b>Operating Temperature (°C):</b>	-25 ≤ Ta ≤ +45	-25 ≤ Ta ≤ +45	-25 ≤ Ta ≤ +45
<b>Operating Voltage (Vac):</b>	220-240	220-240	220-240
<b>Power Factor (PF):</b>	0.95	0.99	0.99
<b>Height (mm):</b>	181	206	213
<b>Diameter (mm):</b>	239	271	306
<b>Box Qty:</b>	1	1	1
<b>Weight (kg):</b>	1.98	2.69	3.52



**Accessories:**

- RSNB4-S** Surface mounting bracket for 100W and 150W
- RSNWG4-M** Wire guard for 150W
- RSNL60-M** 60° lens for 150W
- RSNL90-M** 90° lens for 150W

**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:**

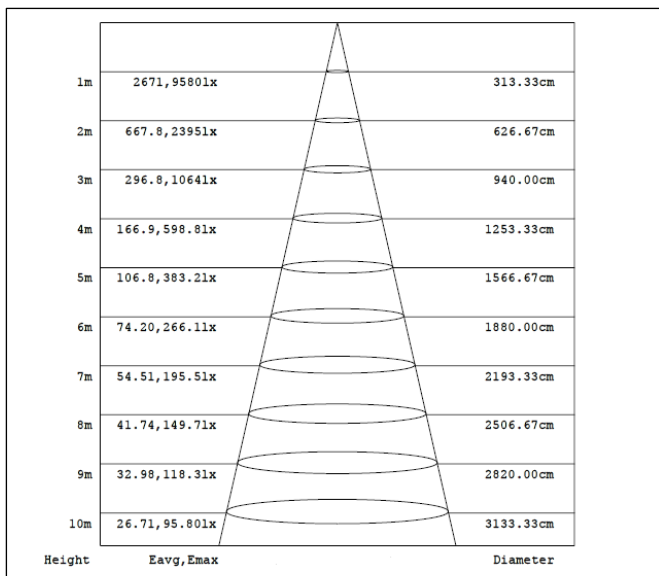


Diagram for RSN20040DAS4-04 in 4,000K. Other diagrams available on request



**Polar Intensity Diagram:**

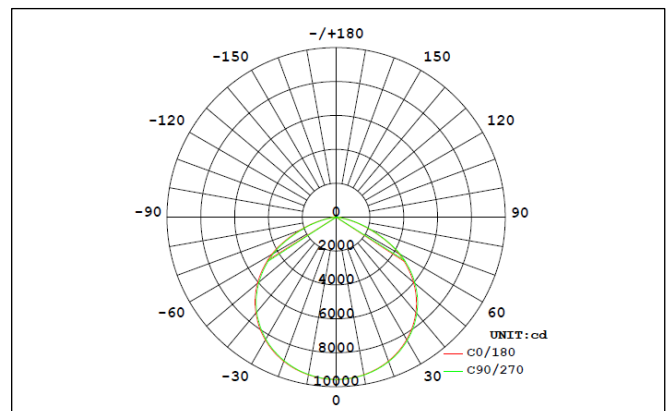


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