

## SONIC 100W, 150W & 180W, 5000K LED HIGHBAY, IP65, 1M FLEX AND SWIFT CONNECTOR, 1-10V DIMMABLE

This modern looking range of fittings with an "All Around" IP65 rating provide solutions for high, medium or low 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 tempered glass cover  
Stainless steel mounting eye  
Stainless steel screws and fixings  
Aluminium PCB

### Features and Benefits:

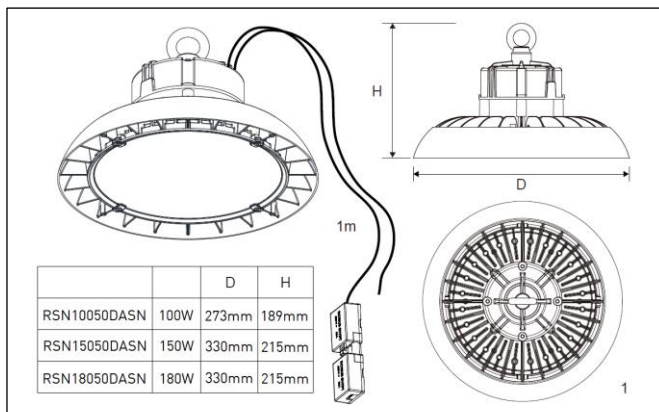
- There's a complete energy saving range of lumen packages to replace traditional MH up to 400W
- The body is manufactured from die-cast aluminium for excellent heat management to enhance LED and driver life  
This also means it is strong and durable with a high impact rating so is not easily damaged by the occasional fork-lift knock
- 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 oxidation
- All fixings are stainless steel so will not rust
- The range utilises a tempered glass cover with seal which means the glass will not be easily broken when used in sports or industrial applications and has an IP65 rating so can be installed in damp or dusty environments
- The fitting has a stainless steel mounting eye with locking screw and is pre-wired with 1m of 3 core flexible rubber cable & SWIFT connector so provides for fast and simple mounting and connection
- The 150W and 180W versions have optional:
  - Narrow beam lens for added "punch" when high mounted
  - Surface mount bracket alternative to the suspension eye
  - Wire guard for increased glass breakage protection
- 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
  - Qualification for government high efficacy 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 cold areas such as chilled or freezer applications

## COMMERCIAL

# ROBUS®

SONIC 100W, 150W & 180W, 5000K LED HIGHBAY, IP65,  
1M FLEX AND SWIFT CONNECTOR, 1-10V DIMMABLE

Product Code:	RSN10050DASN-04	RSN15050DASN-04	RSN18050DASN-04
Comparable to:	200W metal halide	300W metal halide	400W metal halide
Total Power (W):	100.3	149.5	175.4
Total Light Output (lm):	13,540	19,320	24,840
Efficacy (lm / cctW):	135	129	141
Rated LED Life (hrs):	50,000	50,000	50,000
Warranty (yrs):	5	5	5
Illuminance at 1m (lx):	4,960	6,810	8,770
Beam Angle (deg):	110	110	110
CCT (K):	5,000	5,000	5,000
CRI (Ra):	80	80	80
Ingress Protection (IP):	65	65	65
Impact Rating (IK):	08	08	08
Operating Temperature	$-25 \leq T_a \leq +45$	$-25 \leq T_a \leq +45$	$-25 \leq T_a \leq +45$
Operating Voltage (Vac):	220-240	220-240	220-240
Power Factor (PF):	0.95	0.98	0.98
Height (mm):	189	215	215
Diameter (mm):	273	330	330
Box Qty:	1	1	1
Weight (kg):	2.79	4.2	4.25

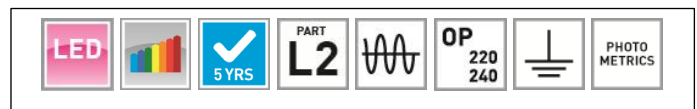


### Accessories:

RSNL85-S	85° LENS FOR 150W
RNSPC-S	POLYCARBONATE DIFFUSER FOR 150W & 180W
RSNB-S	SURFACE MOUNTING BRACKET FOR 150W & 180W
RSNWG-S	WIRE GUARD FOR 150W & 180W
RDLHRV-HMW32S	1-10VDC MW DAYLIGHT HARVEST SENSOR
RRD360MW-01	1-10VDC 3 STEP DIMMING SENSOR

### Standards & Approvals:

Complies with: EN 60598, EN 55015, EN 61000, IEN 62493, EN 61547, EN 62471



### Cone Illuminance Diagram:

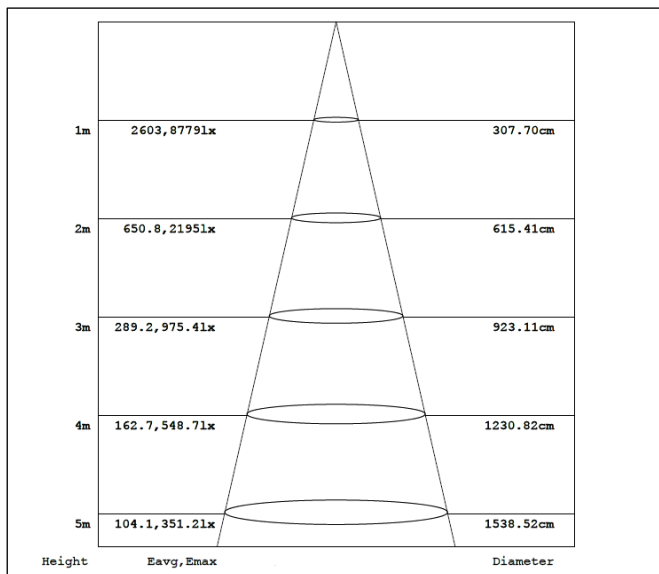


Diagram for RSN18050DASN-04 in 5,000K. Other diagrams available on request

