

COMMERCIAL
DISK LED HIGHBAY

ROBUS®

DISK 100W, 160W, 200W LED Highbay, IP65, 0-10VDC dimmable,
Black, 5,000K, with Bracket, 1m of Flex and Swift Connector

This modern looking range of fittings together with an "All Around" IP65 rating, provide solutions for high, medium or low height lighting applications in many diverse environments. With a 0-10VDC dimmable driver as standard, manual or automatic dimming functions can be achieved for enhanced energy and Carbon Savings



Applications:

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

Construction:

Type ADC12 Die Cast Aluminium body and mounting ring
Pre-drilled formed steel mounting bracket
Tempered/toughened glass diffuser
Heat cured electrostatically powder coated finish
All stainless-steel fixings

Features:

- Heat cured, electrostatically black powder coated finish
- All ADC12 die cast aluminium driver enclosure and fitting body with integrated radial heat sink fins
- All stainless-steel glands & Allen head fixings
- Tempered & toughened glass diffuser with optional beam control reflectors, opal diffuser or wire guard
- Complete with pre-formed and drilled mounting bracket and die cast aluminium mounting eye with lock screw
- Pre-wired: 1m rubber flex with Swift male/female connector 1m 0-10VDC pair for control or "safe" termination
- Utilises Lumiled Optoelectronic LED's to provide
 - High flux
 - Low power consumption
 - High efficacy
 - Long life
- High quality Meanwell 0-10 VDC dimmable constant current driver
- Correlated Colour Temperature of 5,000K with high CRI
- Standard 110° beam angle
- Pre-drilled body fixing points for optional 90° & 60° reflectors
- Ambient operating temperature of $-25 \leq T_a \leq +40$
- Robus 5-year warranty

Benefits:

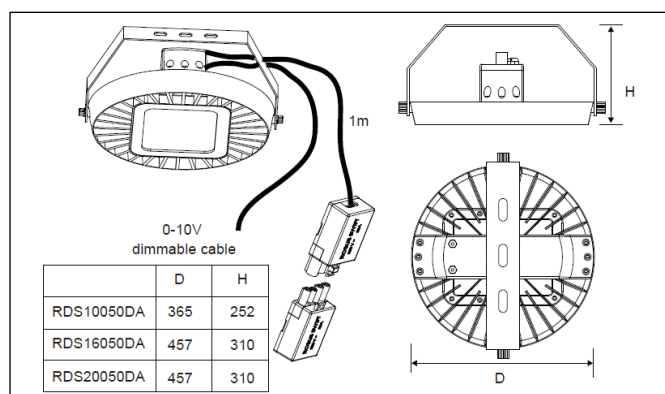
- Durable and attractive finish that will always look good
- Provides resistance to hairline cracking during curing process for long fitting life & durability
- Excellent heat dissipation contributes to long LED & driver life
- Will not rust so looks as new throughout life
- Not easily broken and provides low glare, well diffused light
- Accessories broaden applications of use and mounting heights
- Allows for 360-degree angle adjustable, surface or suspension mounting
- Allows female connector to wiring infrastructure
- Simple fitting connection without the need for specialist skills
- Quality LED's provide comparable performance to 200W & 400W Metal Halides whilst the 200W version reduces fitting numbers
- Reduces energy costs by $\geq 50\%$
- Ensures compliance with current and foreseeable regulations
- Up to 5 times longer life than MH, providing huge lamp change, labour & access equipment cost savings
- Provides for manual, or with dimming sensor, automatic dimming, for Daylight Harvesting to further reduce energy
- Correct CCT and CRI for clarity and quality in most installations
- Wide beam as standard with narrower options for higher mounting positions
- Suitable for installation in hot environments such as steel processing or cold areas such as chilled or freezer applications
- No registration or internet form filling required
- Simple process providing confidence and peace of mind

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Product Code:	RDS10050DA-04	RDS16050DA-04	RDS20050DA-04
Comparable to Metal Halide (W):	200	400	400
Total Power (W):	103.8	161.4	197.9
Total Light Output (lm):	13,650	20,500	26,510
Efficacy (lm / cctW):	131	127	134
Rated LED Life (hrs):	50,000	50,000	50,000
Warranty (yrs):	5	5	5
Illuminance at 1m (lx):	4,4471	7,643	10,000
Beam Angle (deg):	110	110	110
CCT (K):	5,000	5,000	5,000
Ingress Protection (IP):	65	65	65
Impact Rating (IK):	07	07	07
Operating Temperature (°C):	-25 ≤ Ta ≤ +40	-25 ≤ Ta ≤ +40	-25 ≤ Ta ≤ +40
Operating Voltage (Vac):	220-240	220-240	220-240
Power Factor (PF):	0.98	0.98	0.95
Height (mm):	252	310	310
Diameter (mm):	365	457	457
Box Qty:	1	1	1
Weight (kg):	5.1	9.0	9.0



Accessories:

- RDSHBRF60-L 60 ° Reflector for 160W and 200W
- RDSHBRF90-L 90 ° Reflector for 160W and 200W
- RDSHBRF60-S 60 ° Reflector for 100W
- RDSHBRF90-S 90 ° Reflector for 100W
- RDSHBW90-L 90 ° Wire Guard for 160W and 200W
- RDSHBOD-L Opal diffuser for 160W and 200W

Standards & Approvals:

Complies with: EN60598-1, EN60598-2-1 EN 60598-2-5, EN55015, EN 60001-3-2, EN 60001-3-3, EN 62493, EN61547, EN 62471

Cone Illuminance Diagram:

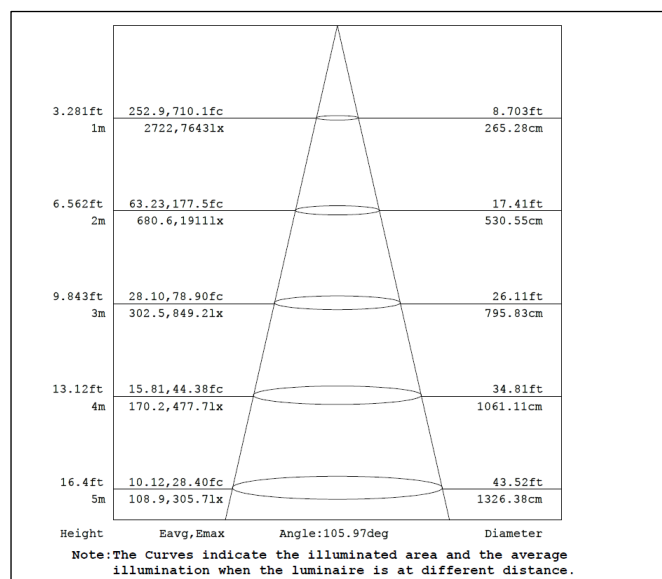
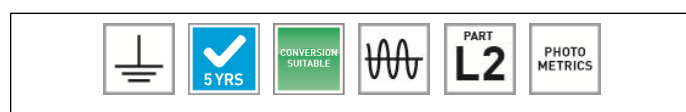


Diagram for RDS16050DA-04. Other diagrams available on request



Polar Intensity Diagram:

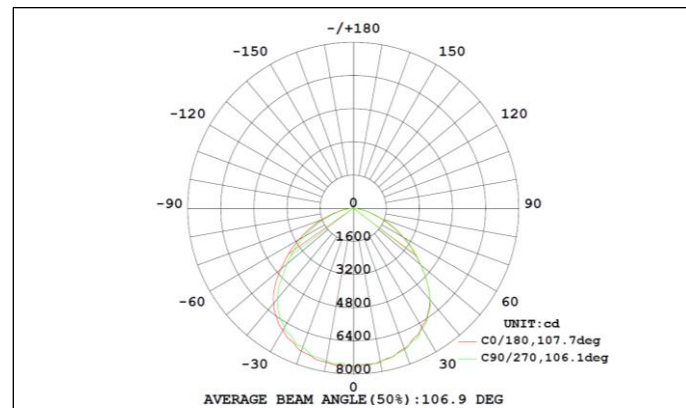


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