

PRISMOID LED LINEAR HIGH BAY, IP65, 1-10V DIMMABLE, SILVER, 5000K

This dimmable luminaire utilises the latest LED chip, driver and optic technology to provide lighting solutions for both high rack and high bay applications using the standard aisle, or optional wide area optics. Using the specially designed aisle optic uses the light more effectively to reduce luminaire quantities. This results in high energy cost and CO₂ savings of greater than 50% to ensure compliance with today's building performance requirements



Applications:

- Warehouse storage and racking aisles
- Manufacturing plants & assembly areas
- Workshops, bus & coach garages
- Aircraft hangers
- Farm buildings
- Retail superstores
- Car, van and other showrooms
- Gymnasiums & sports halls

Construction:

- Extruded and sandblasted natural aluminium housing finished with Anodic Oxidation coating process
- PMMA LED lens cover material
- Steel end caps
- Stainless steel fasteners
- Aluminium PCB Material

Features:

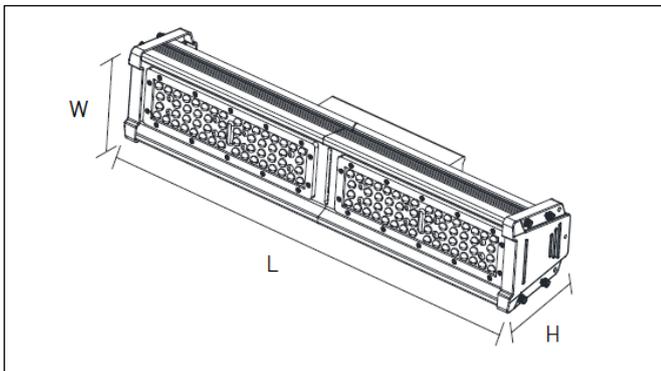
- Housing manufactured from sandblasted extruded natural aluminium and finished with Anodic Oxidation coating process
- Black painted steel end caps
- 70° x 30° beam PMMA standard LED lens covers
- Utilises high quality Lightning Optoelectronic SMD LED's for:
 - High lumen output
 - Low power consumption
 - Long life
- 1-10VDC dimmable driver as standard
- Solid state technology
- Wide ambient temperature operating range
- IP65
- Supplied with suspension kit and anchor bolt hooks
- Rotating bracket kit accessory available
- 90-degree lens accessory available
- Flying lead mains & control cables

Benefits:

- Neat aesthetics with excellent heat dissipation for enhanced LED life
- Strong and durable with highest impact rating available
- High resistance to corrosion
- Provides the ideal beam pattern for warehouse rack aisle applications
- Great light uniformity with light directed along the aisle with a smaller amount on the racking sides for rack and label visibility
- Reduces the number of symmetric beam angle luminaires by 50%
- Compared to metal halide 250W & 400W:
 - Provides comparable lumen output for a one for one replacement
 - Reduces power consumption and CO₂ emissions by over 50%
 - No costly re-lamp costs over its exceptionally long life
- Compatible with PIR or Microwave sensors to provide on/off, step or full daylight linking
- Provides functional and/or energy and running cost saving benefits
- Rugged – No filaments or electrodes to prematurely fail through vibration or hot to cold temperature changes provides maintenance cost savings
- Short time switching is not detrimental to LED life as it is with traditional light sources
- Ideal for installations with extremes of hot/cold temperatures such as warehouses
- Allows installation in wet or dusty environment
- Suspension mounting for most standard mounting applications
- Mounting options for horizontal, sloping or vertical surfaces
- Ideal beam pattern for maximum coverage of assembly or manufacturing areas
- Allows installer to choose connection methodology
- Will not potentially compromise IP rating of driver connection

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Nominal Power (W):	100	120	150	180	200	240	300	400	600
Comparable to:	200W MH	250W MH	300W MH	400W MH	400W MH	500W MH	600W MH	80W MH	1000W MH
Power Consumed (W):	100	121.8	148.2	180	200	240	300	400	600
Total Light Output (lm):	12,940	15,670	19,940	22,250	26,490	30,280	38,940	51,280	75,940
Efficacy (lm / cctW):	129	128	135	124	132	125	129	128	127
Rated Life (hrs):	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000
Warranty (yrs):	5	5	5	5	5	5	5	5	5
Illuminance at 10m (lux):	210	240	310	350	420	480	610	780	1170
Beam Angle (deg):	30x70								
CCT (K):	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000
CRI (Ra):	75	75	75	75	75	75	75	75	75
Ingress Protection (IP):	65	65	65	65	65	65	65	65	65
Impact Rating (IK):	10	10	10	10	10	10	10	10	10
Operating Temperature (°C):	-25 ≤ Ta ≤ +40								
Operating Voltage (Vac):	220-240	220-240	220-240	220-240	220-240	220-240	220-240	220-240	220-240
Power Factor (PF):	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
Height (mm):	130	130	130	130	130	130	135	135	135
Length (mm):	590	590	880	880	1,180	1,180	880	1,180	1,180
Width (mm):	125	125	125	125	125	125	270	270	405
Box Qty:	1	1	1	1	1	1	1	1	1
Weight (kg):	4	4	5	5	7	7	11	15	22



Accessories:

- RPDRB** Surface mounting, rotating bracket
- RPDL90** 90° lens accessory
- RPDL40130** 40x130° lens accessory
- RSW44-P** IP20 SWIFT connector
- RCONIP68-04** IP68 connector
- RDLHRV-HMW32S** Daylight harvest sensor 1-10V, surface mounted
- RRD360MW-01** RADAR 360° MW sensor, 3-step dimming

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:

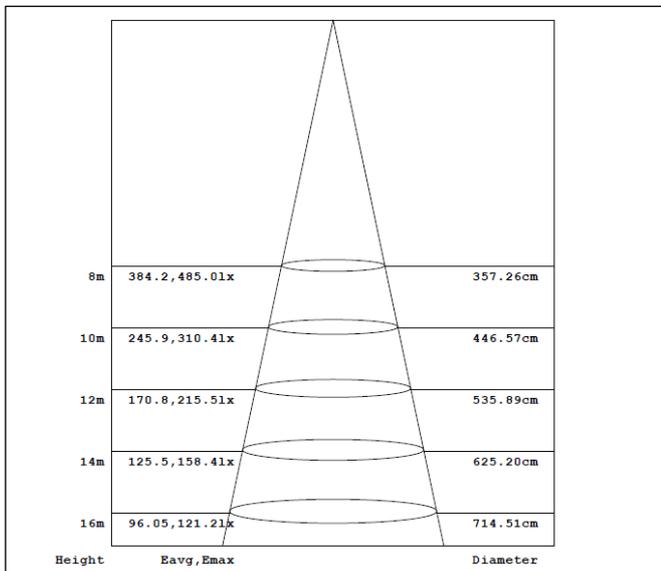
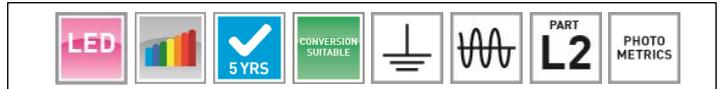


Diagram for RPD15050SA-23 in 5,000K. Other diagrams available on request



Polar Intensity Diagram:

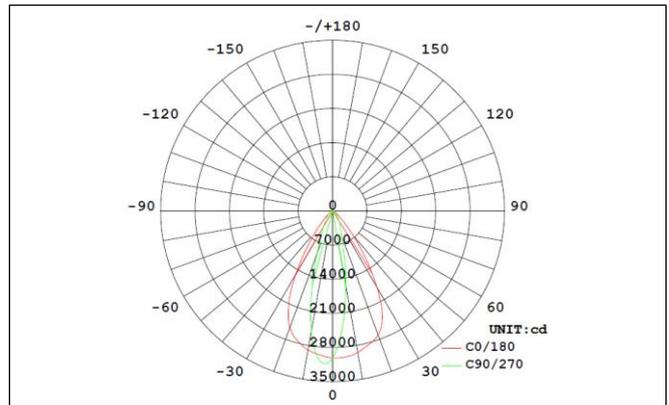


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