



# Dialight® LED Reliant™ High Bay

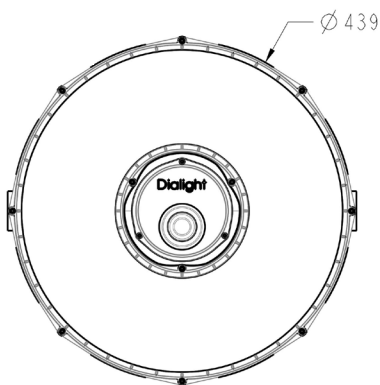
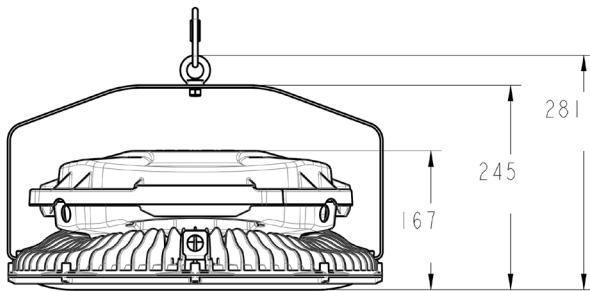
## Technical Specification Sheet - APAC

## Reliant™ LED High Bay 100-277 VAC



### Certifications & Ratings

- 10 year warranty
- CE
- RCM
- IP66
- L70 rated for >100,000 hours @ 55°C
- L90 rated for >100,000 hours @ 25°C



Dimensions in mm

### Mechanical Information:

Fixture weight:	9.3 kg
Shipping weight:	12 kg
Box dimensions:	515 x 515 x 350mm

### Mounting:

Mounting:	304 stainless steel mounting bracket
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### Electrical Specifications:

Operating voltage:	100-277 VAC 50/60Hz
Operating temperature:	-40°C to +55°C

Total system power consumption:	See ordering table
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EMC:	EN 55015 IEC 61000-3-3 IEC 61547 IEC 61000-4-2 IEC 61000-4-3 IEC 61000-4-6 IEC 61000-4-8 IEC 61000-4-11
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Transient protection:	6kV/3kA combination wave, as per IEEE C62.41, line-line and line-ground IEC 61000-4-5 IEC 61000-4-4
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THD:	IEC 55015 <20% @ 100-277 VAC
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Harmonics:	IEC 61000-3-2, Class C
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Power factor:	>0.9 @ 100-277 VAC
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Flicker:	IEC 61000-3-3
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Dimming:	DALI 1.0 and 2.0 5% 0-10 VDC continuous dimming to 5% Wireless dimming via Dialight IntelliLED controls to 5%
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Cable entry:	(3) M20 1.8m cable & plug (Australia only)
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Terminals:	5 position, 0.5-4 mm <sup>2</sup>
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### Materials:

Housing:	Polycarbonate (upper) Aluminium (lower)
Lens:	Acrylic Polycarbonate & glass options available

Hardware:	304 stainless steel
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Hook:	304 stainless steel
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Fixture finish:	Superior dual coat finish - sealed polyester topcoat - epoxy primer
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### Gaskets:

Light engine:	Santoprene
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Wiring box:	EPDM
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### Photometric Information:

CRI:	80
CCT:	4000K (neutral white) 5000K (cool white)

All values typical unless otherwise stated (tolerance +/- 10%)

**WARNING - INSTALLATION & SECONDARY RETENTION.** Use of any Dialight products without proper installation (including secondary retention / netting) and periodic inspections could cause severe injury or death. Dialight recommends that all installations should use secondary retention / netting (appropriate to the installation environment) where applicable. It is the exclusive responsibility of the contractor, installer and/or end-user to: (a) determine the suitability of the product for its intended application; and, (b) ensure that the product is safely installed (with secondary retention / netting where appropriate) and in compliance with all applicable laws and regulations. To the extent permissible under applicable laws, Dialight disclaims all liability for personal injury and/or other damage resulting from any dislodgment or other dislocation of its products.

# Ordering Information

## Reliant™ LED High Bay - 100-277 VAC



### Australia

Part Number	Fixture Lumen	Wattage	lm/W	CCT	Lens	Beam Distribution	Mounting
<b>DALI Models</b>							
RRE-2MN2-ADH1-AGN	11,100	71	156	4000K (neutral white)	Acrylic	Medium	Hook, 1.8m cable & plug
RRE-2MN2-BDH1-AGN	14,000	91	154	4000K (neutral white)	Acrylic	Medium	Hook, 1.8m cable & plug
RRE-2MN2-CDH1-AGN	17,600	114	154	4000K (neutral white)	Acrylic	Medium	Hook, 1.8m cable & plug
RRE-2MN2-EDH1-AGN	23,800	159	150	4000K (neutral white)	Acrylic	Medium	Hook, 1.8m cable & plug
RRE-2MN2-GDH1-AGN	29,400	191	154	4000K (neutral white)	Acrylic	Medium	Hook, 1.8m cable & plug
RRE-2MN2-JDH1-AGN	35,300	232	152	4000K (neutral white)	Acrylic	Medium	Hook, 1.8m cable & plug

All values typical unless otherwise stated (tolerance +/- 10%).  
For additional controls options including occupancy sensor and IntelliLED wireless controls, contact a Dialight sales representative.

### Asia

Part Number	Fixture Lumen	Wattage	lm/W	CCT	Lens	Beam Distribution	Mounting
<b>DALI Models</b>							
RRE-2MC2-ADHN-NGN	11,300	71	159	5000K (cool white)	Acrylic	Medium	Hook
RRE-2MC2-BDHN-NGN	14,300	91	157	5000K (cool white)	Acrylic	Medium	Hook
RRE-2MC2-CDHN-NGN	18,000	114	158	5000K (cool white)	Acrylic	Medium	Hook
RRE-2MC2-EDHN-NGN	24,300	159	153	5000K (cool white)	Acrylic	Medium	Hook
RRE-2MC2-GDHN-NGN	30,000	191	157	5000K (cool white)	Acrylic	Medium	Hook
RRE-2MC2-JDHN-NGN	36,000	232	155	5000K (cool white)	Acrylic	Medium	Hook

All values typical unless otherwise stated (tolerance +/- 10%).  
For additional controls options including occupancy sensor and IntelliLED wireless controls, contact a Dialight sales representative or see spec sheet.

### Australia & Asia Accessories

Part Number	Description
HBXCAB48	1.2m long stainless steel safety rope (for use with safety bracket)
RR-WIRELESS-1	IntelliLED wireless controls - basic
RR-WS-OCC-212	Wattstopper FSP 212 (center mounted) occupancy and daylight harvesting sensor

## Accessories



HBXCAB48



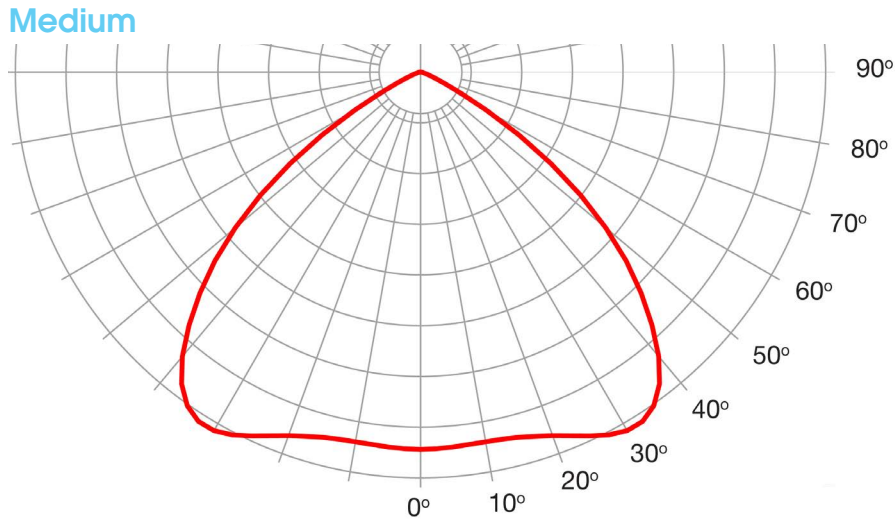
RR-WIRELESS-1



RR-WS-OCC-212

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# Beam Distribution



# Inrush Current / Circuit Breakers

Wattage	Inrush current @ input voltage			Approximate time duration (T50) of inrush current			Maximum number of lights per breaker (@230VAC)	
	120 VAC	230 VAC	277 VAC	100 VAC	230 VAC	277 VAC	10 Amp	16 Amp
232	8A	15A	18A	1.5ms	1.5ms	1.5ms	6	9
191	8A	15A	18A	1.5ms	1.5ms	1.5ms	7	12
159	8A	15A	18A	1.5ms	1.5ms	1.5ms	9	14
114	8A	15A	18A	1.5ms	1.5ms	1.5ms	12	20
91	8A	15A	18A	1.5ms	1.5ms	1.5ms	19	31
71	8A	15A	18A	1.5ms	1.5ms	1.5ms	20	33

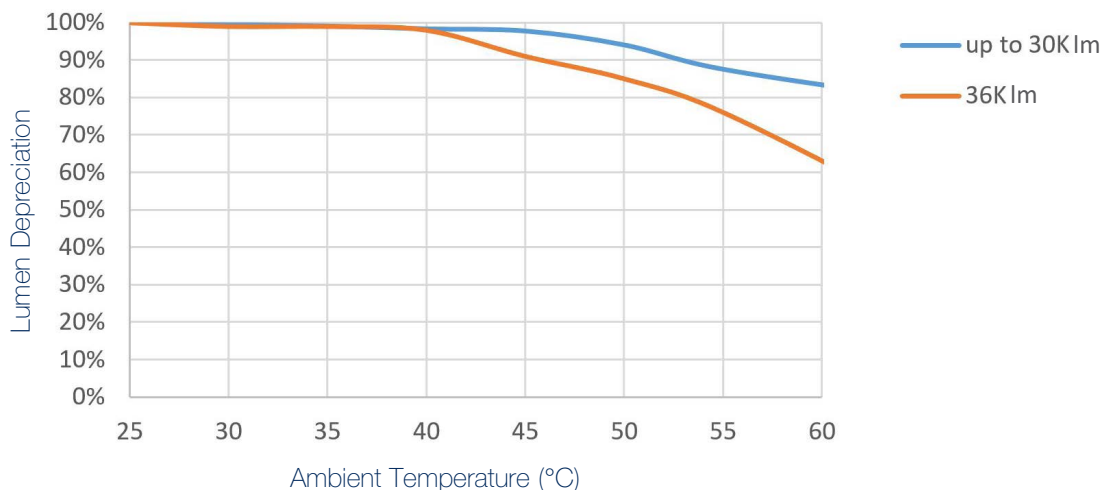
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# Lumen Maintenance Factor

Reliant High Bay 11,000-30,000lm (Hours)										
Ambient Celsius	Ambient	0	15000	30000	45000	60000	75000	90000	100000	150000
25	100%	98%	96%	95%	94%	92%	91%	90%	89%	86%
30	100%	97%	96%	95%	93%	92%	91%	90%	89%	86%
35	99%	97%	95%	94%	93%	92%	90%	89%	88%	85%
40	98%	96%	95%	93%	92%	91%	90%	89%	88%	85%
45	98%	96%	94%	93%	92%	90%	89%	88%	87%	84%
50	94%	92%	91%	89%	88%	87%	86%	85%	84%	81%
55	94%	85%	84%	83%	81%	80%	79%	78%	77%	74%

Reliant High Bay 36,000lm (Hours)										
Ambient Celsius	Ambient	0	15000	30000	45000	60000	75000	90000	100000	150000
25	100%	98%	96%	95%	94%	92%	91%	90%	89%	86%
30	99%	97%	96%	94%	93%	92%	90%	89%	88%	85%
35	99%	96%	95%	94%	92%	91%	90%	89%	88%	85%
40	98%	96%	95%	93%	92%	91%	90%	89%	88%	85%
45	91%	89%	88%	87%	85%	84%	83%	82%	81%	78%
50	85%	83%	81%	80%	79%	78%	77%	76%	75%	73%
55	85%	74%	72%	71%	70%	69%	68%	67%	66%	64%

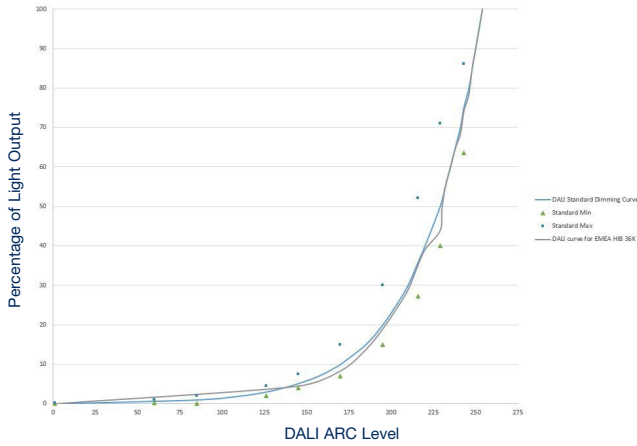
# Thermal Roll-Off



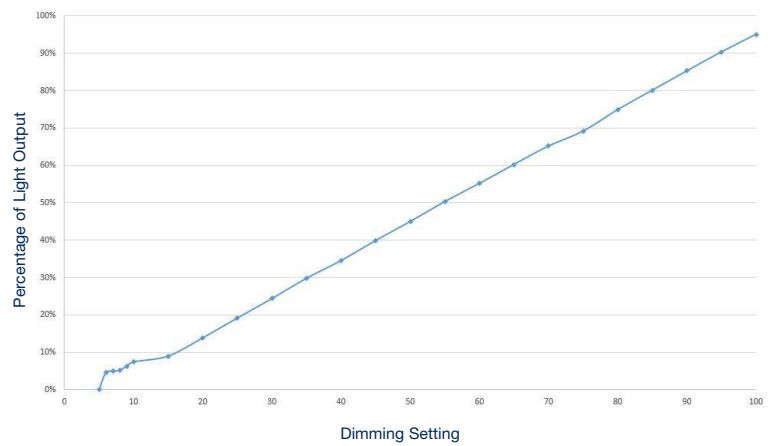
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# Dimming Characteristics

DALI Dimming

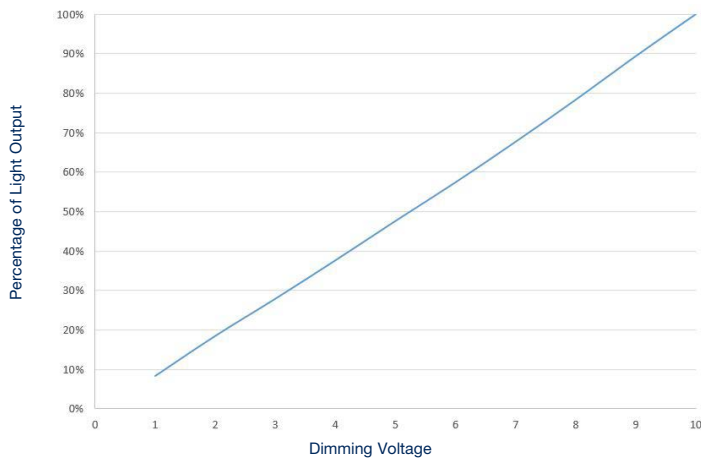


IntelliLED Dimming

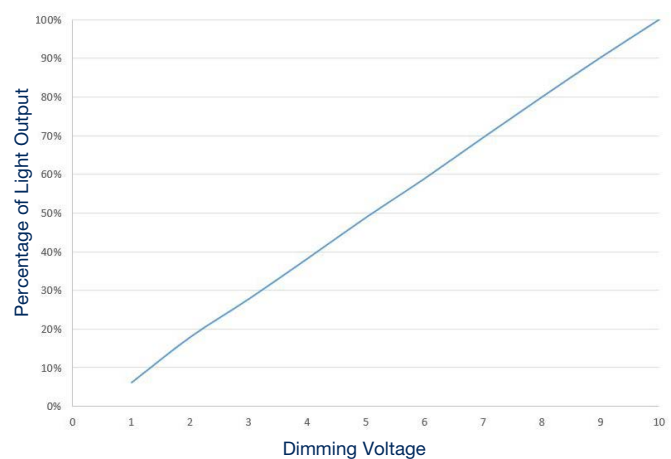


## 0-10V Dimming

Input Power VS Dimming Voltage

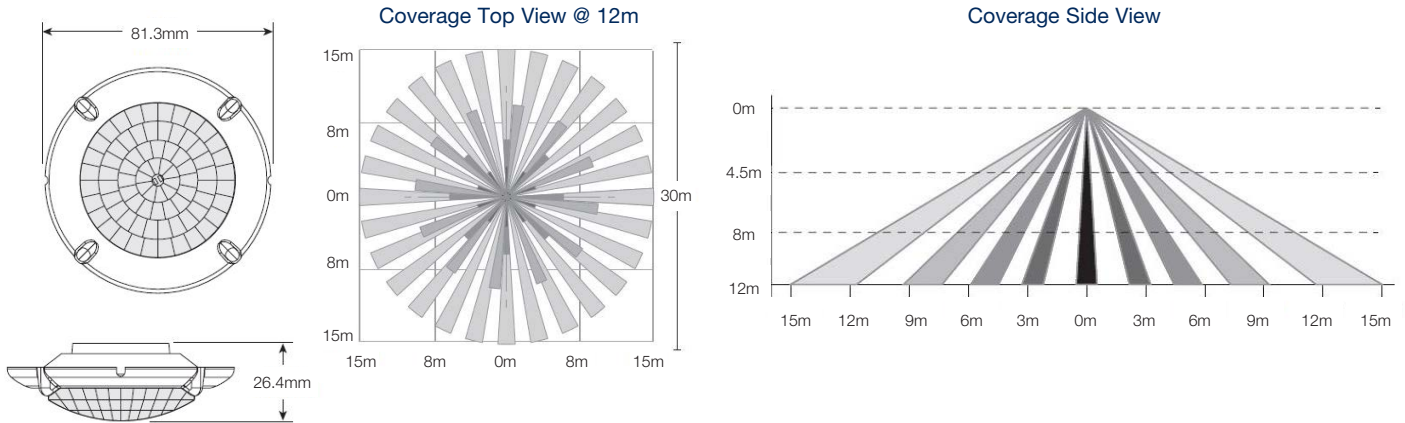


Light Output VS Dimming Voltage



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# Occupancy Sensor Details



# Accessories



**HBXCAB48**

- 1.2m long stainless steel safety rope (for use with safety bracket)



**RR-WIRELESS-1**

- IntelliLED wireless control



**RR-WS-OCC-212**

- Wattstopper FSP 212 (center mounted) occupancy and daylight harvesting sensor

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