



# Dialight® LED High Output High Bay - Low Profile

## Technical Specification Sheet - APAC

## Vigilant® LED High Output High Bay - Low Profile Standard Models



### Certifications & Ratings\*

- 10 year warranty
- CE / RCM / ENEC
- IP66/67
- IK10 (polycarbonate) / IK06 (glass)
- L70 > 150,000 hours
- Factory installed secondary retention bracket, optional safety cable accessory available

\*Values based on preliminary data awaiting validation or certification.

### Mechanical Information:

<b>Fixture weight:</b>	21.8 kg (48 lbs)
<b>Shipping weight:</b>	28.1 kg (62 lbs)
<b>Mounting:</b>	(1) Loop
<b>Wiring entries:</b>	(2) M25

### Materials:

<b>Housing:</b>	A360 Die-cast aluminium
<b>Finish:</b>	Superior dual coat finish - Sealed polyester topcoat - Chemical-resistant epoxy primer
<b>Lens options:</b>	Tempered glass, Acrylic or Polycarbonate
<b>Hardware:</b>	316 Stainless Steel

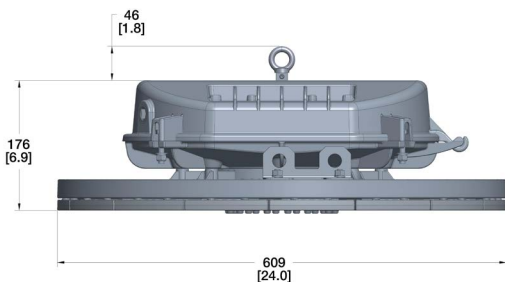
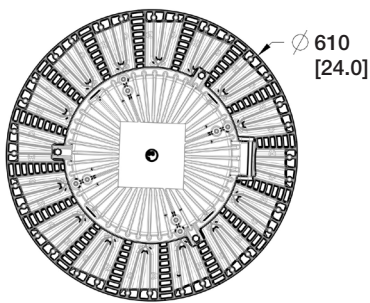
### Electrical Specifications:

<b>Operating voltage:</b>	120-277 VAC, 50/60Hz
<b>Total system power consumption:</b>	See table
<b>Operating temperature:</b>	-40°C to +65°C
<b>Harmonics:</b>	IEC 61000-3-2 Class C
<b>Surge protection:</b>	Tested to IEC 61000-4-5 6kV/3kA, 1.2/50, 8/20us Combination wave Line-line and line-ground
<b>THD:</b>	< 20%
<b>Power factor:</b>	> 0.9

### Photometric Information:

<b>CRI:</b>	80
<b>CCT:</b>	5000K (cool white) 4000K (neutral white)

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



Dimensions in mm [inches]

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# Ordering Information

## Vigilant® LED High Output High Bay - Low Profile - Standard Models



Part Number	Fixture Lumen	Watt	lm/W	Voltage	CCT	CRI	Lens	Beam Distribution	Dimming
<b>CE Standard Models - 120-277 VAC Models</b>									
H7E-7NN2-KDHN-NGN	46,000	300	153	120-277 VAC	4000K (neutral white)	80	Glass	Narrow	0-10V
H7E-7MN2-KDHN-NGN	46,000	300	153	120-277 VAC	4000K (neutral white)	80	Glass	Medium	0-10V
<b>H7E-7NN2-NDHN-NGN</b>	61,200	418	146	120-277 VAC	4000K (neutral white)	80	Glass	Narrow	0-10V
H7E-7MN2-NDHN-NGN	61,200	418	146	120-277 VAC	4000K (neutral white)	80	Glass	Medium	0-10V
H7E-7NN2-RDHN-NGN	70,500	485	145	120-277 VAC	4000K (neutral white)	80	Glass	Narrow	0-10V
H7E-7NC2-KDHN-NGN	46,000	300	153	120-277 VAC	5000K (cool white)	80	Glass	Narrow	0-10V
H7E-7MC2-KDHN-NGN	46,000	300	153	120-277 VAC	5000K (cool white)	80	Glass	Medium	0-10V
H7E-7NC2-NDHN-NGN	61,200	418	146	120-277 VAC	5000K (cool white)	80	Glass	Narrow	0-10V
H7E-7MC2-NDHN-NGN	61,200	418	146	120-277 VAC	5000K (cool white)	80	Glass	Medium	0-10V
H7E-7NC2-RDHN-NGN	70,500	485	145	120-277 VAC	5000K (cool white)	80	Glass	Narrow	0-10V

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

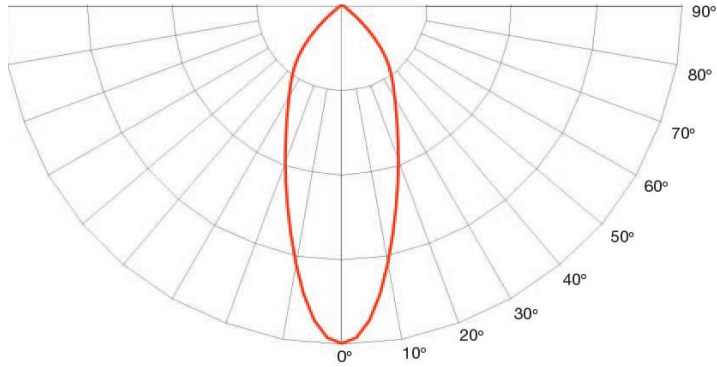
Part numbers listed in **bold** are typically available in stock.

Cool white color temperature (5000K) is available for products in the above table. Replace the sixth character **N** with **C**. Ex. H7E-7MN2-RDHN-NGN becomes H7E-7MC2-RDHN-NGN.

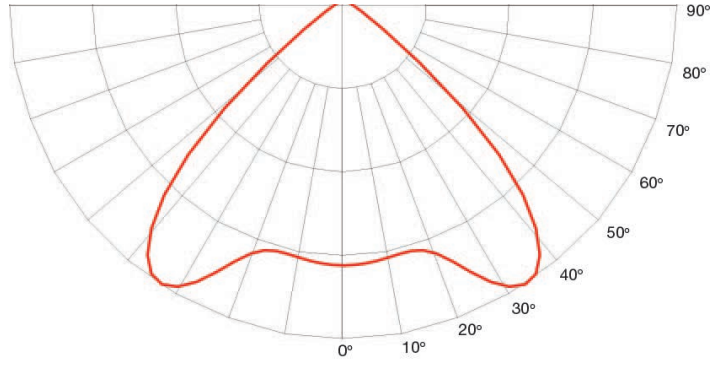
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# Beam Distribution

Narrow

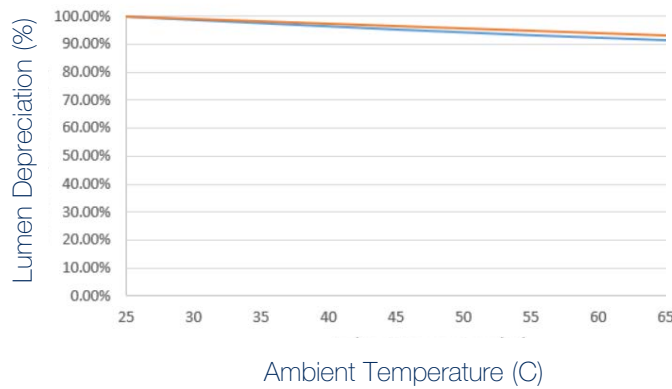


Medium

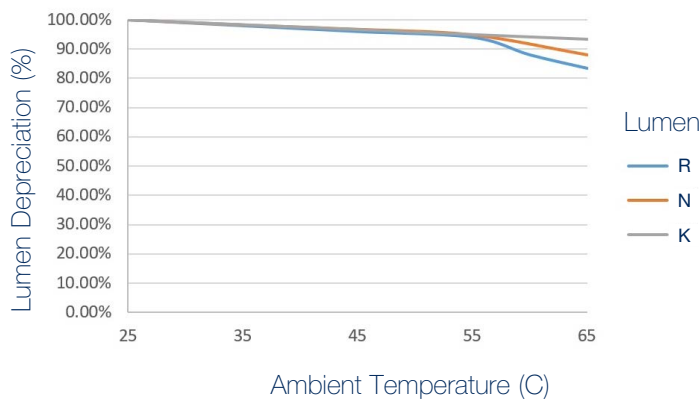


# Thermal Roll-Off

Thermal Rolloff (277V)



Thermal Rolloff (480V)



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## In Rush Current / Circuit Breakers

In rush current @ input voltage				Time duration of in rush current @ input voltage			
120 VAC	277 VAC	347 VAC	480 VAC	120 VAC	277 VAC	347 VAC	480 VAC
15A	36A	8A	11A	1.5 ms	1.5 ms	.88 ms	.88 ms

Maximum number of lights per breaker						
	120 VAC			277 VAC		
Model	C10	B16	C16	C10	B16	C16
K	3	4	4	5	8	8
N	2	3	3	4	6	6
R	2	2	2	3	5	5
	347 VAC			480 VAC		
Model	C10	B16	C16	C10	B16	C16
K	7	12	12	9	15	15
N	5	8	8	7	11	11
R	5	7	7	6	9	9

## Mounting Accessories



### H6XCAB72

- 72" stainless steel safety rope

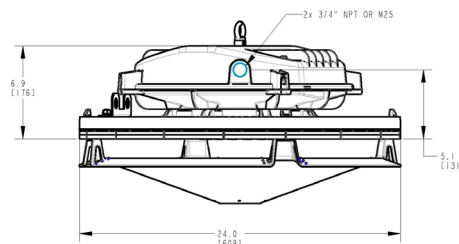
### H6XCAB60

- 60" stainless steel safety rope



### H6XDIFFUSER

- Diffuser
- Patent pending



Dimensions in inches [mm]

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