Dialight

Dialight® LED High Output High Bay - Low Profile

Technical Specification Sheet - EMEA

FEBRUARY 2021

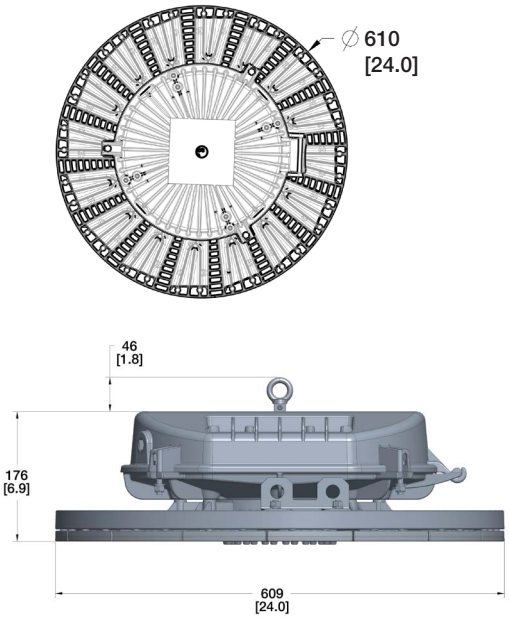
Vigilant® LED High Output High Bay - Low Profile

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.



Dimensions in mm [inches]

Mechanical Information:

Weight (120-277 VAC):	21.8 kg (48 lbs)
Weight (415 VAC):	22.2 kg (49 lbs)
Shipping weight:	28.1 kg (62 lbs)
Mounting:	(1) Loop
Wiring entries:	(2) M25

Materials:

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

Electrical Specifications:

Operating voltage:	120-277 VAC, 50/60Hz 415 VAC, 50/60Hz
Total system power consumption:	See table
Operating temperature:	-40°C to +65°C
Harmonics:	IEC 61000-3-2 Class C
Surge protection:	Tested to IEC 61000-4-5 6kV/3kA, 1.2/50, 8/20us Combination wave Line-line and line-ground
THD:	< 20%
Power factor:	> 0.9

Photometric Information:

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

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

Part Number	Fixture Lumen	Watt	lm/W	IP Rating	Voltage	CCT	Lens	Beam Distribution
H7E-7MC2-RDHN-NGN	70,500	485	145	IP66/67	120-277 VAC	5000K (cool white)	Glass	Medium
H7E-7NC2-RDHN-NGN	70,500	485	145	IP66/67	120-277 VAC	5000K (cool white)	Glass	Narrow
H7E-7MC2-NDHN-NGN	61,200	418	146	IP66/67	120-277 VAC	5000K (cool white)	Glass	Medium
H7E-7NC2-NDHN-NGN	61,200	418	146	IP66/67	120-277 VAC	5000K (cool white)	Glass	Narrow
H7E-7MC2-KDHN-NGN	46,000	300	153	IP66/67	120-277 VAC	5000K (cool white)	Glass	Medium
H7E-7NC2-KDHN-NGN	46,000	300	153	IP66/67	120-277 VAC	5000K (cool white)	Glass	Narrow

All values typical unless otherwise stated (tolerance +/- 10%).
Neutral white color temperature (4000K) is available for products in the above table. Replace the sixth character C with N. Ex. H7E-7MC2-RDHN-NGN becomes H7E-7MN2-RDHN-NGN.

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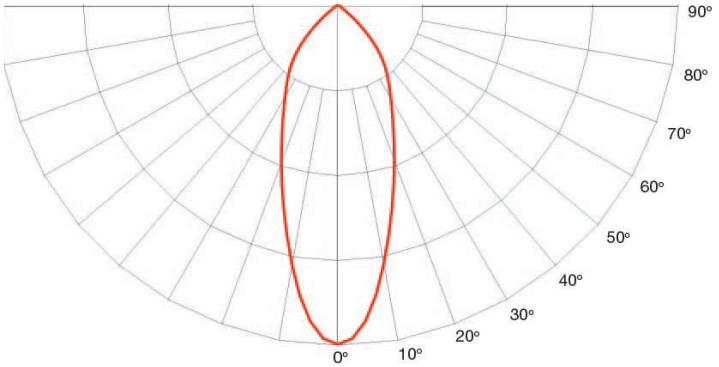
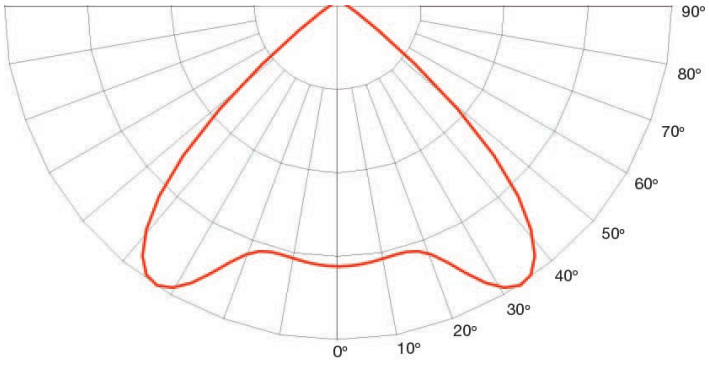
Beam Distribution

Narrow

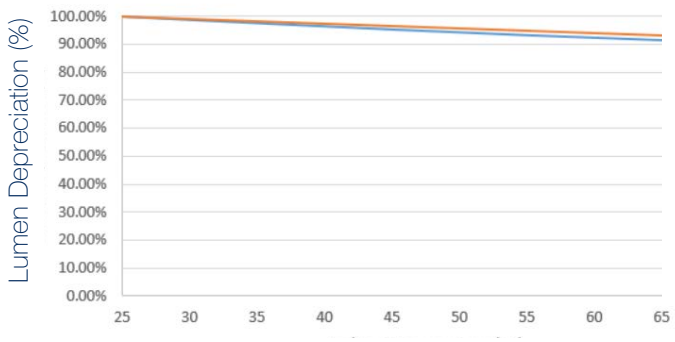


Medium

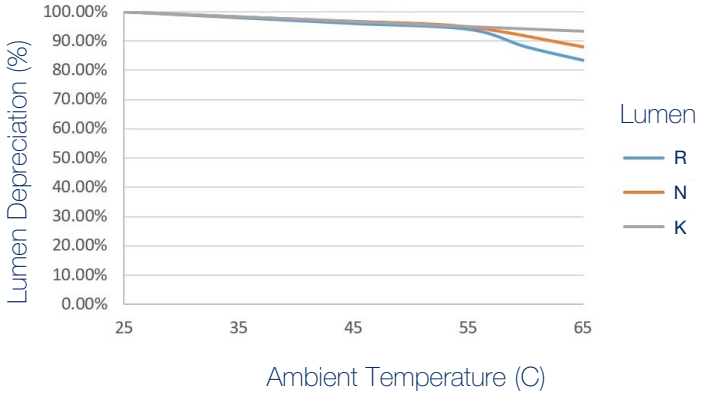


Thermal Roll-Off

Thermal Rolloff (277V)



Thermal Rolloff (480V)



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In Rush Current / Circuit Breakers

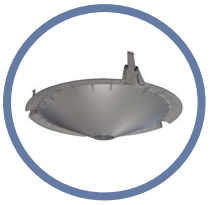
In rush current @ input voltage				Time duration of in rush current @ input voltage			
120 VAC	277 VAC	347 VAC	480 VAC	120 VAC	277 VAC	347 VAC	480 VAC
15A	36A	8A	11A	1.5 ms	1.5 ms	.88 ms	.88 ms

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

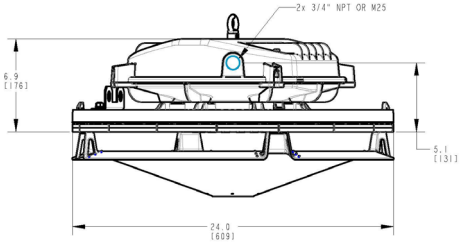
Mounting Accessories

H6XCAB72
- 72" stainless steel safety rope

H6XCAB60
- 60" stainless steel safety rope



H6XDIFFUSER
- Diffuser
- Patent pending



Dimensions in inches [mm]

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Dialight Europe Ltd
Leaf C, Level 36, Tower 42
25 Old Broad Street
London, EC2N 1HQ, United Kingdom
Tel: +44 (0) 203 058 3540
Customer Service: +44 (0) 163 866 6541
sales-emea@dialight.com

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