

.....Dialight

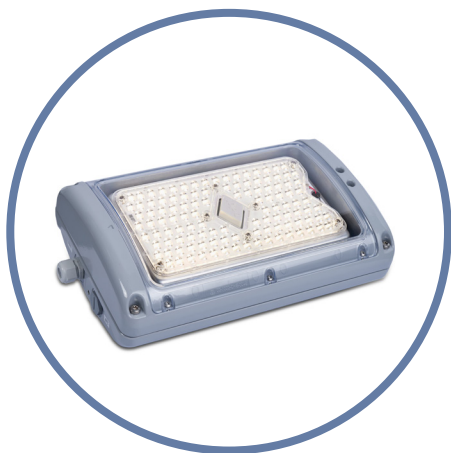


Dialight Vigilant® LED Bulkhead

Technical Specification Sheet - Americas

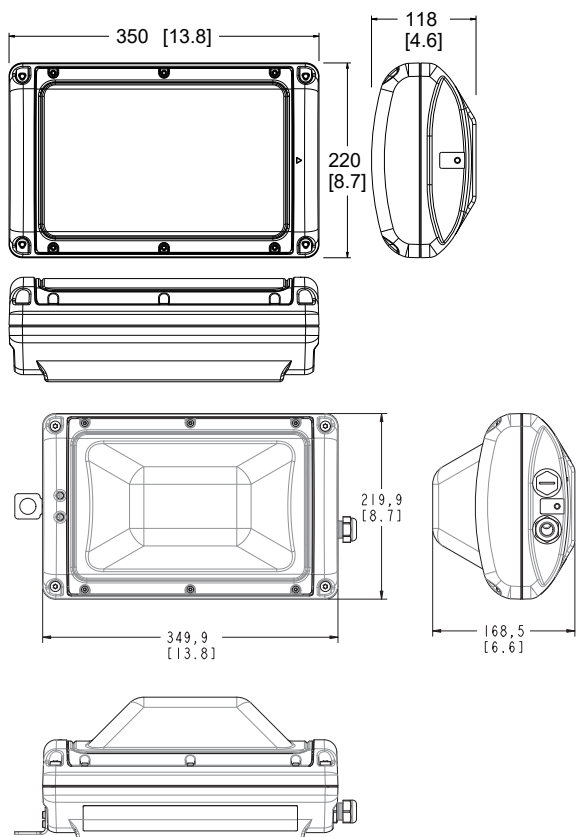
NOVEMBER 2025

Vigilant® LED Bulkhead Standard Model



Certifications & Ratings

- 10 year warranty (excluding battery)
- UL 1598/A, CSA C22.2 No. 250.0
- IP66/67, NEMA 4X
- IK10
- L70 > 150,000 hours @ 65°C (149°F) ambient



Dimensions in mm (inches)

Mechanical Information:

Fixture weights:	
Standard models:	15.0 lb (6.8 kg)
Battery backup models:	17.0 lb (7.7 kg)
Shipping weights:	
Standard models:	16.1 lb (7.3 kg)
Battery backup models:	18.5 lb (8.4 kg)
Cable entry:	(2) 3/4" NPT - optional (4) 3/4" NPT

Materials:

Housing:	A360 Die-cast aluminium
Finish:	Superior dual coat finish - Sealed polyester topcoat - Epoxy primer
Lens:	Polycarbonate clear Polycarbonate diffused (optional) Polycarbonate domed diffused
Hardware:	316 Stainless Steel

Electrical Specifications:

Operating voltage:	
Standard models:	100-277 VAC / 120-250 VDC
Battery backup models:	100-277 VAC
Operating temperature:	
Standard models:	-40°C to +65°C (-40°F to +149°F)
Battery backup models:	-20°C to +55°C (-4°F to +131°F)
Transient protection:	IEC 61000-4-5 6kV line-line & line-ground
THD:	< 20%
Power factor:	> 0.9
Dimming:	DALI 1.0 and 2.0 compatible 0-10 VDC dimming to 10%

Battery Backup Models: (integrated battery)

Lumen Output in BB mode: (5000k, Type V):	
	180 mins ~ 900 lm
	90 mins ~ 1100 lm
	60 mins ~ 1140 lm

Photometric Information:

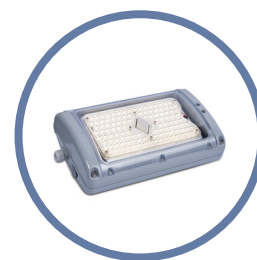
CRI:	> 80 (white light)
CCT:	5000K (cool white) 4000K (neutral white) 2700K (warm white) Amber Green

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 Bulkhead



Part Number	Fixture Lumens	Wattage	lm/W	Voltage	CCT	Lens	Beam Distribution
Standard Models with Flush Mounting Bracket							
BHU4BC26NFAVGN	6,700	45	149	100-277VAC	5000K 80CRI	Clear Polycarbonate	Type V (Circular)
BHU4BN26NFAVGN	6,700	45	149	100-277VAC	4000K 80CRI	Clear Polycarbonate	Type V (Circular)
BHU4UC26NFAVGN	6,400	45	142	100-277VAC	5000K 80CRI	Clear Polycarbonate	Type I (Walkway)
BHU4UN26NFAVGN	6,400	45	142	100-277VAC	4000K 80CRI	Clear Polycarbonate	Type I (Walkway)
Amber LED Standard Models with Flush Mounting Bracket							
BHU4BA25NFAVGN	4,200	46	91	100-277VAC	Amber	Clear Polycarbonate	Type V (Circular)
BHU4UA25NFAVGN	3,900	46	85	100-277VAC	Amber	Clear Polycarbonate	Type I (Walkway)
Green LED Standard Models with Flush Mounting Bracket							
BHU4BG23NFAVGN	2,900	27	107	100-277VAC	Green	Clear Polycarbonate	Type V (Circular)
BHU4UG23NFAVGN	2,800	27	104	100-277VAC	Green	Clear Polycarbonate	Type I (Walkway)
Part Number	Fixture Lumens	Wattage	lm/W	Voltage	CCT	Lens	Beam Distribution
Battery Backup Models with Flush Mounting Bracket							
BHU4BC26NFAVGF	6,700	48	140	100-277VAC	5000K 80CRI	Clear Polycarbonate	Type V (Circular)
BHU4BN26NFAVGF	6,700	48	140	100-277VAC	4000K 80CRI	Clear Polycarbonate	Type V (Circular)
BHU4UC26NFAVGF	6,400	48	133	100-277VAC	5000K 80CRI	Clear Polycarbonate	Type I (Walkway)
BHU4UN26NFAVGF	6,400	48	133	100-277VAC	4000K 80CRI	Clear Polycarbonate	Type I (Walkway)
Amber LED Battery Backup Models with Flush Mounting Bracket							
BHU4BA25NFAVGF	4,200	49	86	100-277VAC	Amber	Clear Polycarbonate	Type V (Circular)
BHU4UA25NFAVGF	3,900	49	80	100-277VAC	Amber	Clear Polycarbonate	Type I (Walkway)
Green LED Battery Backup Models with Flush Mounting Bracket							
BHU4BG23NFAVGF	2,900	33	88	100-277VAC	Green	Clear Polycarbonate	Type V (Circular)
BHU4UG23NFAVGF	2,800	33	85	100-277VAC	Green	Clear Polycarbonate	Type I (Walkway)

All values typical unless otherwise stated (tolerance +/- 10%).
For 2700K (warm white) CCT, change the 6th character to 'W'.

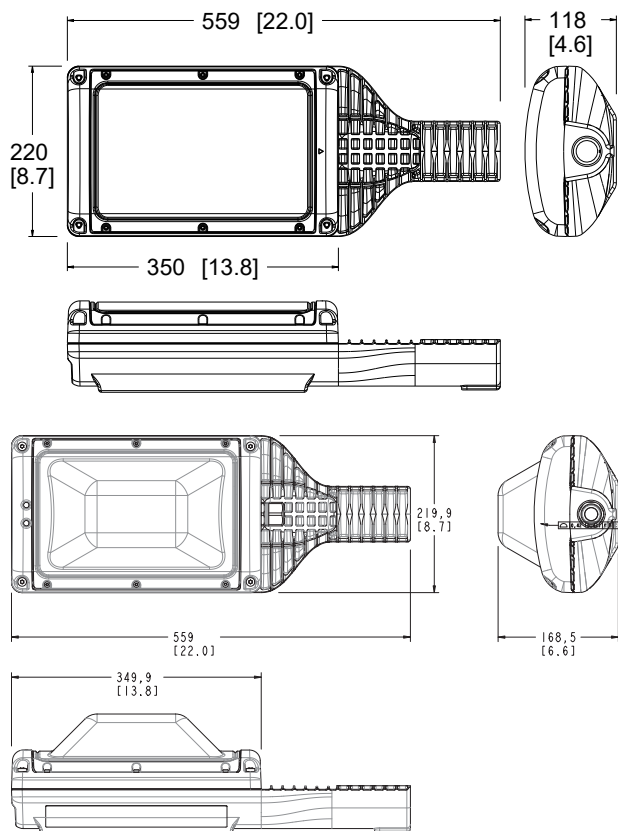
DISCLAIMER. All product information provided is, to the best of Dialight's knowledge, accurate as of the date of publication. When ordering, refer to www.dialight.com for current versions of: (a) relevant product documentation (including the relevant product data sheets); (b) Dialight terms and conditions of sale; and, (c) the relevant product warranty. To the extent that any contract is deemed formed between Dialight and the purchaser of Dialight products and/or an end-user, versions of documents available at www.dialight.com as at the date of sale shall be the versions incorporated therein. In the event of any discrepancy between this document or information provided at www.dialight.com, the latter shall prevail.

Vigilant® LED Bulkhead Pole Mount Model



Certifications & Ratings

- 10 year warranty (excluding battery)
- UL 1598/A, CSA C22.2 No. 250.0
- IP66/67, NEMA 4X
- IK10
- L70 > 150,000 hours @ 65°C (149°F) ambient



Dimensions in mm (inches)

Mechanical Information:

Fixture weights:

Standard models: 17.4 lb (7.9 kg)

Battery backup models: 19.4 lb (8.8 kg)

Shipping weights:

Standard models: 18.5 lb (8.4 kg)

Battery backup models: 20.5 lb (9.3 kg)

Cable entry:

(1) 3/4" NPT

Pole entry size:

1.38" ID (DN25 or 1" pipe)

Optional: 1.73" ID (DN32 or 1-1/4" pipe)

Materials:

Housing: A360 Die-cast aluminium

Finish:

Superior dual coat finish
- Sealed polyester topcoat
- Epoxy primer

Lens:

Polycarbonate clear
Polycarbonate diffused (optional)
Polycarbonate domed diffused

Hardware:

316 Stainless Steel

Electrical Specifications:

Operating voltage:

Standard models: 100-277 VAC / 120-250 VDC

Battery backup models: 100-277 VAC

Operating temperature:

Standard models: -40°C to +65°C (-40°F to +149°F)

Battery backup models: -20°C to +55°C (-4°F to +131°F)

Transient protection:

IEC 61000-4-5
6kV line-line & line-ground

THD:

< 20%

Power factor:

> 0.9

Dimming:

DALI 1.0 and 2.0 compatible
0-10 VDC dimming to 10%

Battery Backup Models: (integrated battery)

Lumen Output in BB mode: (5000k, Type V):

180 mins ~ 900 lm

90 mins ~ 1100 lm

60 mins ~ 1140 lm

Photometric Information:

CRI:

> 80 (white light)

CCT:

5000K (cool white)
4000K (neutral white)
2700K (warm white)
Amber
Green

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 Bulkhead - Pole Mount Model

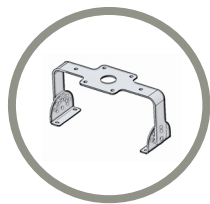


Part Number	Fixture Lumens	Wattage	lm/W	Voltage	CCT	Lens	Beam Distribution
Pole Mount Models							
BPU4BC26NNAVG	6,700	45	149	100-277VAC	5000K 80CRI	Clear Polycarbonate	Type V (Circular)
BPU4BN26NNAVG	6,700	45	149	100-277VAC	4000K 80CRI	Clear Polycarbonate	Type V (Circular)
BPU4UC26NNAVG	6,400	45	142	100-277VAC	5000K 80CRI	Clear Polycarbonate	Type I (Walkway)
BPU4UN26NNAVG	6,400	45	142	100-277VAC	4000K 80CRI	Clear Polycarbonate	Type I (Walkway)
Amber LED Pole Mount Models							
BPU4BA25NNAVG	4,200	46	91	100-277VAC	Amber	Clear Polycarbonate	Type V (Circular)
BPU4UA25NNAVG	3,900	46	85	100-277VAC	Amber	Clear Polycarbonate	Type I (Walkway)
Green LED Pole Mount Models							
BPU4BG23NNAVG	2,900	27	107	100-277VAC	Green	Clear Polycarbonate	Type V (Circular)
BPU4UG23NNAVG	2,800	27	104	100-277VAC	Green	Clear Polycarbonate	Type I (Walkway)
Part Number	Fixture Lumens	Wattage	lm/W	Voltage	CCT	Lens	Beam Distribution
Pole Mount Battery Backup Models							
BPU4BC26NNAVGF	6,700	48	140	100-277VAC	5000K 80CRI	Clear Polycarbonate	Type V (Circular)
BPU4BN26NNAVGF	6,700	48	140	100-277VAC	4000K 80CRI	Clear Polycarbonate	Type V (Circular)
BPU4UC26NNAVGF	6,400	48	133	100-277VAC	5000K 80CRI	Clear Polycarbonate	Type I (Walkway)
BPU4UN26NNAVGF	6,400	48	133	100-277VAC	4000K 80CRI	Clear Polycarbonate	Type I (Walkway)
Amber LED Pole Mount Battery Backup Models							
BPU4BA25NNAVGF	4,200	49	86	100-277VAC	Amber	Clear Polycarbonate	Type V (Circular)
BPU4UA25NNAVGF	3,900	49	80	100-277VAC	Amber	Clear Polycarbonate	Type I (Walkway)
Green LED Pole Mount Battery Backup Models							
BPU4BG23NNAVGF	2,900	33	88	100-277VAC	Green	Clear Polycarbonate	Type V (Circular)
BPU4UG23NNAVGF	2,800	33	85	100-277VAC	Green	Clear Polycarbonate	Type I (Walkway)

All values typical unless otherwise stated (tolerance +/- 10%).
For 2700k (warm white) CCT, change the 6th character to 'W'
1.73" - (DN32) pole entry models available.

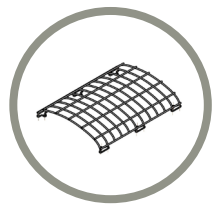
DISCLAIMER. All product information provided is, to the best of Dialight's knowledge, accurate as of the date of publication. When ordering, refer to www.dialight.com for current versions of: (a) relevant product documentation (including the relevant product data sheets); (b) Dialight terms and conditions of sale; and, (c) the relevant product warranty. To the extent that any contract is deemed formed between Dialight and the purchaser of Dialight products and/or an end-user, versions of documents available at www.dialight.com as at the date of sale shall be the versions incorporated therein. In the event of any discrepancy between this document or information provided at www.dialight.com, the latter shall prevail.

Accessories



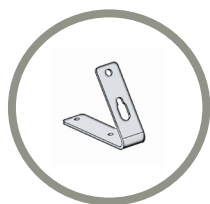
BH-BRKT-SS-ADJ

- 316 stainless steel adjustable bracket kit



BH-WG-KIT

- Stainless steel wire guard kit



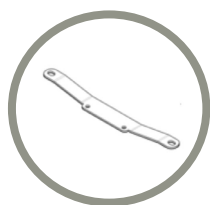
BH-BRKT-A-KIT

- 316 stainless steel wall/ceiling flush mount bracket kit



H6XCAB72

- 72" stainless steel safety rope

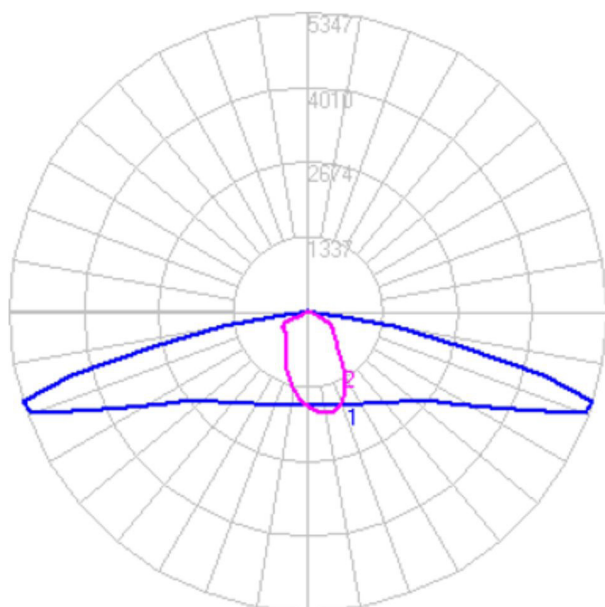


BH-BRKT-F-KIT

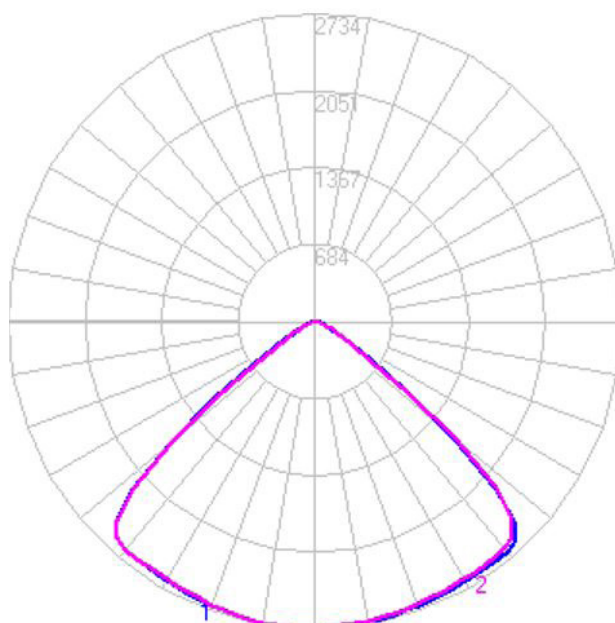
- 316 stainless steel wall/ceiling flush mount bracket kit

Beam Distribution

Type 1

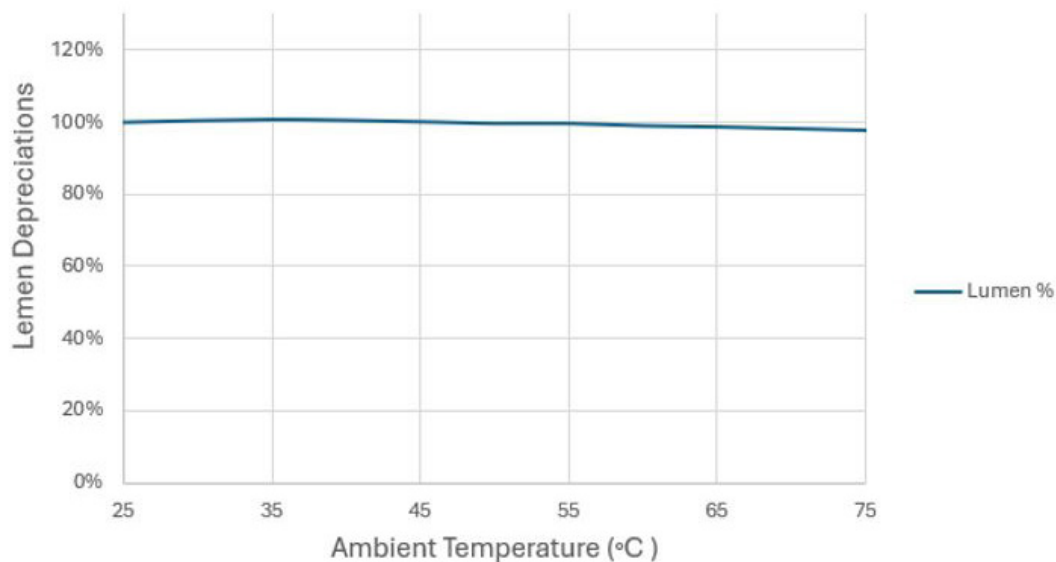


Type V



DISCLAIMER. All product information provided is, to the best of Dialight's knowledge, accurate as of the date of publication. When ordering, refer to www.dialight.com for current versions of: (a) relevant product documentation (including the relevant product data sheets); (b) Dialight terms and conditions of sale; and, (c) the relevant product warranty. To the extent that any contract is deemed formed between Dialight and the purchaser of Dialight products and/or an end-user, versions of documents available at www.dialight.com as at the date of sale shall be the versions incorporated therein. In the event of any discrepancy between this document or information provided at www.dialight.com, the latter shall prevail.

Thermal Roll-Off



DISCLAIMER. All product information provided is, to the best of Dialight's knowledge, accurate as of the date of publication. When ordering, refer to www.dialight.com for current versions of: (a) relevant product documentation (including the relevant product data sheets); (b) Dialight terms and conditions of sale; and, (c) the relevant product warranty. To the extent that any contract is deemed formed between Dialight and the purchaser of Dialight products and/or an end-user, versions of documents available at www.dialight.com as at the date of sale shall be the versions incorporated therein. In the event of any discrepancy between this document or information provided at www.dialight.com, the latter shall prevail.

Inrush Current

Inrush Current						
Duration (T50), 0.4ms						
Supply Voltage (VAC)		100	120	230	240	277
Peak Inrush Current (A _{pk})		6.40	7.70	14.80	15.40	17.80

Ground Leakage						
Supply Voltage (VAC)		100	120	230	240	277
Ground Leakage Current (mA)		0.40	0.50	0.80	0.83	1.00

Lumen Maintenance Factor

Vigilant Bulkhead 6,500lm								
Ambient Temperature	Hours							
	0	15000	30000	45000	60000	75000	90000	100000
25°C	100%	98%	96%	95%	93%	92%	90%	90%
30°C	100%	98%	96%	95%	93%	92%	90%	90%
35°C	100%	98%	96%	95%	93%	92%	90%	90%
40°C	100%	98%	96%	95%	93%	92%	90%	90%
45°C	100%	98%	96%	95%	93%	92%	90%	90%
50°C	100%	97%	96%	95%	93%	92%	90%	89%
55°C	100%	97%	96%	95%	93%	92%	90%	89%
60°C	99%	97%	95%	94%	93%	91%	90%	89%
65°C	99%	97%	95%	94%	92%	91%	89%	89%

Based on 9,000 hour LM80 data

DISCLAIMER. All product information provided is, to the best of Dialight's knowledge, accurate as of the date of publication. When ordering, refer to www.dialight.com for current versions of: (a) relevant product documentation (including the relevant product data sheets); (b) Dialight terms and conditions of sale; and, (c) the relevant product warranty. To the extent that any contract is deemed formed between Dialight and the purchaser of Dialight products and/or an end-user, versions of documents available at www.dialight.com as at the date of sale shall be the versions incorporated therein. In the event of any discrepancy between this document or information provided at www.dialight.com, the latter shall prevail.

North America HQ

1501 Route 34 South
Farmingdale, NJ 07727
Tel: 732-919-3119
Fax: 732-751-5778

WARNING / DISCLAIMERS:

Installation & secondary retention. The use of this product 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) as applicable. Dialight products are intended for ultimate purchase, installation and operation by knowledgeable persons trained in the functional assessment, installation, use and maintenance of such products and all customers (including but not limited to end customers) are responsible for assessing the suitability of Dialight products for any given installation requirement. 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 as appropriate) and in compliance with all applicable laws and regulations.

Product specifications & warranties. All product information provided is, to the best of Dialight's knowledge, accurate as of the date of publication. All values and performance data herein are design or typical values when measured under laboratory conditions. The information herein is subject to change without notice. The products / software detailed herein are subject to applicable warranties and terms and conditions of use/purchase. Unless agreed otherwise in writing by an authorized representative of Dialight, Dialight does not represent that its products are fit for any particular purpose and accepts no liability for the installation and/or unauthorised use of its products. When ordering, refer to www.dialight.com for current versions of: (a) relevant product documentation (including relevant product data sheets); (b) Dialight terms and conditions of sale; and, (c) the relevant product warranties. To the extent that any contract is deemed formed between Dialight and the purchaser of Dialight products and/or an end-user, versions of documents available at www.dialight.com as at the date of sale shall be the versions incorporated therein. In the event of any discrepancy between this document and information provided at www.dialight.com, the latter shall prevail.

Exclusion of liability. To the extent permissible under the relevant law, Dialight disclaims all liability for personal injury and/or other damage resulting from any dislodgment or other dislocation of its products. Whilst Dialight has used its reasonable endeavours to ensure the completeness and accuracy of information herein, Dialight does not assume any liability for damages resulting from use of this information or for any third-party representations made in relation to Dialight products.