



Dialight LED SafeSite® Bulkhead

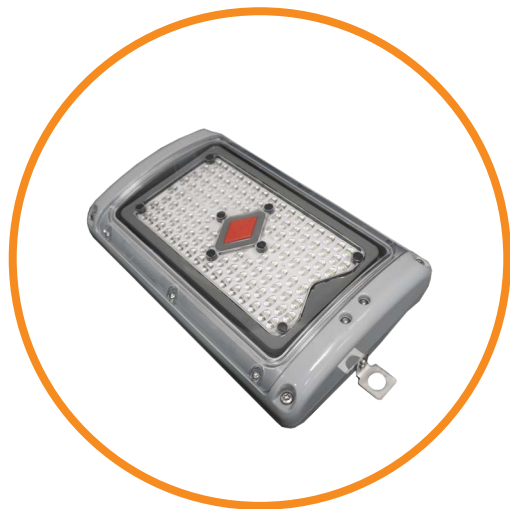
Technical Specification Sheet - EMEA



DECEMBER 2023

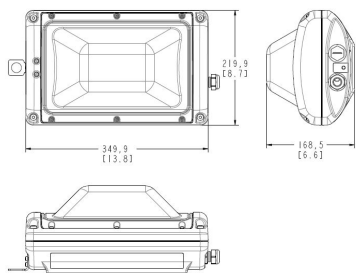
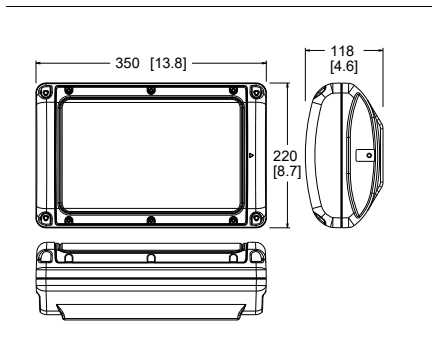
SafeSite® LED Bulkhead

100-277 VAC Model



Certifications & Ratings

- 10 year warranty
- ATEX / IECEx Zone 1, 21
 - Ex eb mb IIC T4 Gb
 - EX tb IIIC T130°C Db
- ATEX / IECEx Zone 2, 22
 - Ex ec IIC T4 Gc
 - Ex tc IIIC T130°C Dc
- Ta = -40°C to +65°C for standard models
- Ta = -20°C to +55°C for battery backup models
- IP66/67
- IK10
- L70 > 150,000 hours @ 65°C (149°F)



Dimensions in mm (inches)

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.

Mechanical Information:

| | |
|--------------------------|----------------------------|
| Fixture weights: | |
| Standard models: | 6.8 kg (15.0 lb) |
| Battery backup models: | 7.7 kg (17 lb) |
| Shipping weights: | |
| Standard models: | 7.3 kg (16.1 lb) |
| Battery backup models: | 8.4 kg (18.5 lb) |
| Cable entry: | (2) M20 - optional (4) M20 |

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: | 110/120 VAC, 230/240 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) |
| Surge protection: | 6kV/3kA, 1.2/50, 8/20us Combination Wave Line-line and line-ground |
| THD: | < 18% |
| Power factor: | > 0.9 |
| Dimming: | DALI 1.0 and 2.0 0-10 VDC continuous dimming to <10% |

Battery Backup Models: (integral battery)

Battery duration* (circular optic, clear lens):

| | |
|---------------------|---|
| 6.5k lumen outputs: | 180 mins ~ 900 lm 90 mins ~ 1100 lm 60 mins ~ 1140 lm |
| 3k lumen outputs: | 180 mins ~ 800 lm 90 mins ~ 1100 lm 60 mins ~ 1140 lm |

Expected battery life: 4 years

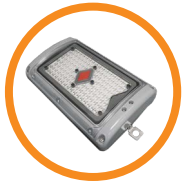
Photometric Information:

| | |
|-----------------------|---|
| Lumen output*: | 3,000 & 6,500 lm (white light) |
| CRI: | > 80 (white light) |
| CCT: | 5000K (cool white) 4000K (neutral white) 2700K (warm white) Amber Green |

All values typical unless otherwise stated (tolerance +/- 10%)
* @ 25°C ambient

Ordering Information

SafeSite® LED Bulkhead



Zone 1, 21

| Part Number | Fixture Lumens | Wattage | lm/W | Voltage | CCT | Lens | Beam Distribution |
|---|----------------|---------|------|-------------------------|-----------------------|---------------------|---------------------|
| Standard Models with Flush Bracket | | | | | | | |
| BHA-4BC2-3NFN-VGN | 3,300 | 22 | 153 | 100-277VAC / 120-250VDC | 5000K (cool white) | Clear Polycarbonate | Circular |
| BHA-4BC2-6NFN-VGN | 6,200 | 45 | 138 | 100-277VAC / 120-250VDC | 5000K (cool white) | Clear Polycarbonate | Circular |
| BHA-4UC2-3NFN-VGN | 3,100 | 22 | 144 | 100-277VAC / 120-250VDC | 5000K (cool white) | Clear Polycarbonate | Ultra-Wide (Type 1) |
| BHA-4UC2-6NFN-VGN | 6,200 | 45 | 138 | 100-277VAC / 120-250VDC | 5000K (cool white) | Clear Polycarbonate | Ultra-Wide (Type 1) |
| BHA-4BN2-3NFN-VGN | 3,300 | 22 | 153 | 100-277VAC / 120-250VDC | 4000K (neutral white) | Clear Polycarbonate | Circular |
| BHA-4BN2-6NFN-VGN | 6,200 | 45 | 138 | 100-277VAC / 120-250VDC | 4000K (neutral white) | Clear Polycarbonate | Circular |
| BHA-4UN2-3NFN-VGN | 3,100 | 22 | 144 | 100-277VAC / 120-250VDC | 4000K (neutral white) | Clear Polycarbonate | Ultra-Wide (Type 1) |
| BHA-4UN2-6NFN-VGN | 6,200 | 45 | 138 | 100-277VAC / 120-250VDC | 4000K (neutral white) | Clear Polycarbonate | Ultra-Wide (Type 1) |
| BHA-4BA2-5NFN-VGN | 4,200 | 46 | 91 | 100-277VAC / 120-250VDC | Amber | Clear Polycarbonate | Circular |
| Battery Backup Models with Flush Bracket | | | | | | | |
| BHA-4BCG-3NFN-VGG | 3,300 | 25 | 132 | 230-240VAC | 5000K (cool white) | Clear Polycarbonate | Circular |
| BHA-4BCG-6NFN-VGG | 6,200 | 48 | 129 | 230-240VAC | 5000K (cool white) | Clear Polycarbonate | Circular |
| BHA-4UCG-3NFN-VGG | 3,100 | 25 | 124 | 230-240VAC | 5000K (cool white) | Clear Polycarbonate | Ultra-Wide (Type 1) |
| BHA-4UCG-6NFN-VGG | 6,200 | 48 | 129 | 230-240VAC | 5000K (cool white) | Clear Polycarbonate | Ultra-Wide (Type 1) |
| BHA-4BNG-3NFN-VGG | 3,300 | 25 | 132 | 230-240VAC | 4000K (neutral white) | Clear Polycarbonate | Circular |
| BHA-4BNG-6NFN-VGG | 6,200 | 48 | 129 | 230-240VAC | 4000K (neutral white) | Clear Polycarbonate | Circular |
| BHA-4UNG-3NFN-VGG | 3,100 | 25 | 124 | 230-240VAC | 4000K (neutral white) | Clear Polycarbonate | Ultra-Wide (Type 1) |
| BHA-4UNG-6NFN-VGG | 6,200 | 48 | 129 | 230-240VAC | 4000K (neutral white) | Clear Polycarbonate | Ultra-Wide (Type 1) |
| BHA-6BGG-3NFN-VGG | 2,600 | 33 | 79 | 230-240VAC | Green | Domed Diffused | Circular |

Zone 2, 22 or Zone 21

| Part Number | Fixture Lumens | Wattage | lm/W | Voltage | CCT | Lens | Beam Distribution |
|---|----------------|---------|------|-------------------------|-----------------------|---------------------|---------------------|
| Standard Models with Flush Bracket | | | | | | | |
| BHB-4BC2-3NFN-VGN | 3,200 | 22 | 149 | 100-277VAC / 120-250VDC | 5000K (cool white) | Clear Polycarbonate | Circular |
| BHB-4BC2-6NFN-VGN | 6,700 | 45 | 149 | 100-277VAC / 120-250VDC | 5000K (cool white) | Clear Polycarbonate | Circular |
| BHB-4UC2-3NFN-VGN | 3,100 | 22 | 144 | 100-277VAC / 120-250VDC | 5000K (cool white) | Clear Polycarbonate | Ultra-Wide (Type 1) |
| BHB-4UC2-6NFN-VGN | 6,400 | 45 | 142 | 100-277VAC / 120-250VDC | 5000K (cool white) | Clear Polycarbonate | Ultra-Wide (Type 1) |
| BHB-4BN2-3NFN-VGN | 3,200 | 22 | 149 | 100-277VAC / 120-250VDC | 4000K (neutral white) | Clear Polycarbonate | Circular |
| BHB-4BN2-6NFN-VGN | 6,700 | 45 | 149 | 100-277VAC / 120-250VDC | 4000K (neutral white) | Clear Polycarbonate | Circular |
| BHB-4UN2-3NFN-VGN | 3,100 | 22 | 144 | 100-277VAC / 120-250VDC | 4000K (neutral white) | Clear Polycarbonate | Ultra-Wide (Type 1) |
| BHB-4UN2-6NFN-VGN | 6,400 | 45 | 142 | 100-277VAC / 120-250VDC | 4000K (neutral white) | Clear Polycarbonate | Ultra-Wide (Type 1) |
| BHB-4BA2-5NFN-VGN | 4,200 | 46 | 91 | 100-277VAC / 120-250VDC | Amber | Clear Polycarbonate | Circular |
| Battery Backup Models with Flush Bracket | | | | | | | |
| BHB-4BCG-3NFN-VGG | 3,200 | 25 | 128 | 230-240VAC | 5000K (cool white) | Clear Polycarbonate | Circular |
| BHB-4BCG-6NFN-VGG | 6,700 | 48 | 140 | 230-240VAC | 5000K (cool white) | Clear Polycarbonate | Circular |
| BHB-4UCG-3NFN-VGG | 3,100 | 25 | 124 | 230-240VAC | 5000K (cool white) | Clear Polycarbonate | Ultra-Wide (Type 1) |
| BHB-4UCG-6NFN-VGG | 6,400 | 48 | 133 | 230-240VAC | 5000K (cool white) | Clear Polycarbonate | Ultra-Wide (Type 1) |
| BHB-4BNG-3NFN-VGG | 3,200 | 25 | 128 | 230-240VAC | 4000K (neutral white) | Clear Polycarbonate | Circular |
| BHB-4BNG-6NFN-VGG | 6,700 | 48 | 140 | 230-240VAC | 4000K (neutral white) | Clear Polycarbonate | Circular |
| BHB-4UNG-3NFN-VGG | 3,100 | 25 | 124 | 230-240VAC | 4000K (neutral white) | Clear Polycarbonate | Ultra-Wide (Type 1) |
| BHB-4UNG-6NFN-VGG | 6,400 | 48 | 133 | 230-240VAC | 4000K (neutral white) | Clear Polycarbonate | Ultra-Wide (Type 1) |
| BHB-6BGG-3NFN-VGG | 2,600 | 33 | 79 | 230-240VAC | Green | Domed Diffused | Circular |

All values typical unless otherwise stated (tolerance +/- 10%).
Part numbers listed in **bold** are typically available in stock.
2700k models available on request

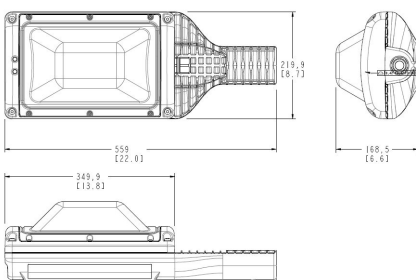
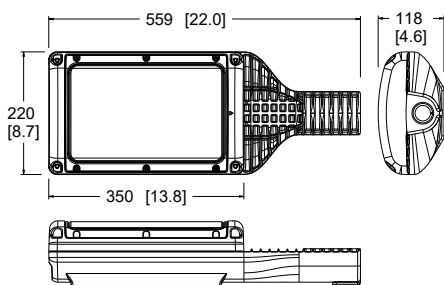
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SafeSite® LED Bulkhead Pole Mount Model



Certifications & Ratings

- 10 year warranty
- ATEX / IECEx Zone 1, 21
 - Ex eb mb IIC T4 Gb
 - EX tb IIIC T130°C Db
- ATEX / IECEx Zone 2, 22
 - Ex ec IIC T4 Gc
 - Ex tc IIIC T130°C Dc
- Ta = -40°C to +65°C for standard models
- Ta = -20°C to +55°C for battery backup models
- IP66/67
- IK10
- L70 > 150,000 hours @ 65°C (149°F)



Dimensions in mm (inches)

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Mechanical Information:

| | |
|---------------------------|-----------------------------|
| Fixture weights: | |
| Standard models: | 7.9 kg (17.4 lb) |
| Battery backup models: | 8.8 kg (19.4 lb) |
| Shipping weights: | |
| Standard models: | 8.4 kg (18.5 lb) |
| Battery backup models: | 9.3 kg (20.5 lb) |
| Cable entry: | (1) M25 |
| Spigot entry size: | 35mm ID Optional 44mm ID |

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: | 110/120 VAC, 230/240 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) |
| Surge protection: | 6kV/3kA, 1.2/50, 8/20us Combination Wave Line-line and line-ground |
| THD: | < 18% |
| Power factor: | > 0.9 |
| Dimming: | DALI 1.0 and 2.0 0-10 VDC continuous dimming to <10% |

Battery Backup Models: (integral battery)

Battery duration* (circular optic, clear lens):

| | |
|---------------------|---|
| 6.5k lumen outputs: | 180 mins ~ 900 lm 90 mins ~ 1100 lm 60 mins ~ 1140 lm |
| 3k lumen outputs: | 180 mins ~ 800 lm 90 mins ~ 1100 lm 60 mins ~ 1140 lm |

Expected battery life: 4 years

Photometric Information:

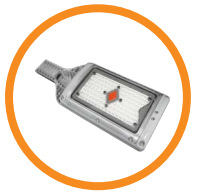
| | |
|-----------------------|---|
| Lumen output*: | 3,000 & 6,500 lm (white light) |
| CRI: | > 80 (white light) |
| CCT: | 5000K (cool white) 4000K (neutral white) 2700K (warm white) Amber Green |

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

* @ 25°C ambient

Ordering Information

SafeSite® LED Bulkhead - Pole Mount



Zone 1, 21

| Part Number | Fixture Lumens | Wattage | lm/W | Voltage | CCT | Lens | Beam Distribution |
|----------------------------------|----------------|---------|------|-------------------------|-----------------------|---------------------|---------------------|
| Pole Mount Models | | | | | | | |
| BPA-4BC2-3NNN-VGN | 3,300 | 22 | 153 | 100-277VAC / 120-250VDC | 5000K (cool white) | Clear Polycarbonate | Circular |
| BPA-4BC2-6NNN-VGN | 6,200 | 45 | 138 | 100-277VAC / 120-250VDC | 5000K (cool white) | Clear Polycarbonate | Circular |
| BPA-4UC2-3NNN-VGN | 3,100 | 22 | 144 | 100-277VAC / 120-250VDC | 5000K (cool white) | Clear Polycarbonate | Ultra-Wide (Type 1) |
| BPA-4UC2-6NNN-VGN | 6,200 | 45 | 138 | 100-277VAC / 120-250VDC | 5000K (cool white) | Clear Polycarbonate | Ultra-Wide (Type 1) |
| BPA-4BN2-3NNN-VGN | 3,300 | 22 | 153 | 100-277VAC / 120-250VDC | 4000K (neutral white) | Clear Polycarbonate | Circular |
| BPA-4BN2-6NNN-VGN | 6,200 | 45 | 138 | 100-277VAC / 120-250VDC | 4000K (neutral white) | Clear Polycarbonate | Circular |
| BPA-4UN2-3NNN-VGN | 3,100 | 22 | 144 | 100-277VAC / 120-250VDC | 4000K (neutral white) | Clear Polycarbonate | Ultra-Wide (Type 1) |
| BPA-4UN2-6NNN-VGN | 6,200 | 45 | 138 | 100-277VAC / 120-250VDC | 4000K (neutral white) | Clear Polycarbonate | Ultra-Wide (Type 1) |
| Pole Mount Battery Backup Models | | | | | | | |
| BPA-4BCG-3NNN-VGG | 3,300 | 25 | 132 | 230-240VAC | 5000K (cool white) | Clear Polycarbonate | Circular |
| BPA-4BCG-6NNN-VGG | 6,200 | 48 | 129 | 230-240VAC | 5000K (cool white) | Clear Polycarbonate | Circular |
| BPA-4UCG-3NNN-VGG | 3,100 | 25 | 124 | 230-240VAC | 5000K (cool white) | Clear Polycarbonate | Ultra-Wide (Type 1) |
| BPA-4UCG-6NNN-VGG | 6,200 | 48 | 129 | 230-240VAC | 5000K (cool white) | Clear Polycarbonate | Ultra-Wide (Type 1) |
| BPA-4BNG-3NNN-VGG | 3,300 | 25 | 132 | 230-240VAC | 4000K (neutral white) | Clear Polycarbonate | Circular |
| BPA-4BNG-6NNN-VGG | 6,200 | 48 | 129 | 230-240VAC | 4000K (neutral white) | Clear Polycarbonate | Circular |
| BPA-4UNG-3NNN-VGG | 3,100 | 25 | 124 | 230-240VAC | 4000K (neutral white) | Clear Polycarbonate | Ultra-Wide (Type 1) |
| BPA-4UNG-6NNN-VGG | 6,200 | 48 | 129 | 230-240VAC | 4000K (neutral white) | Clear Polycarbonate | Ultra-Wide (Type 1) |
| BPA-6BGG-3NNN-VGG | 2,600 | 33 | 79 | 230-240VAC | Green | Domed Diffused | Circular |

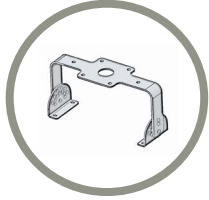
Zone 2, 22 or Zone 21

| Part Number | Fixture Lumens | Wattage | lm/W | Voltage | CCT | Lens | Beam Distribution |
|----------------------------------|----------------|---------|------|-------------------------|-----------------------|---------------------|---------------------|
| Pole Mount Models | | | | | | | |
| BPB-4BC2-3NNN-VGN | 3,200 | 22 | 149 | 100-277VAC / 120-250VDC | 5000K (cool white) | Clear Polycarbonate | Circular |
| BPB-4BC2-6NNN-VGN | 6,700 | 45 | 149 | 100-277VAC / 120-250VDC | 5000K (cool white) | Clear Polycarbonate | Circular |
| BPB-4UC2-3NNN-VGN | 3,100 | 22 | 144 | 100-277VAC / 120-250VDC | 5000K (cool white) | Clear Polycarbonate | Ultra-Wide (Type 1) |
| BPB-4UC2-6NNN-VGN | 6,400 | 45 | 142 | 100-277VAC / 120-250VDC | 5000K (cool white) | Clear Polycarbonate | Ultra-Wide (Type 1) |
| BPB-4BN2-3NNN-VGN | 3,200 | 22 | 149 | 100-277VAC / 120-250VDC | 4000K (neutral white) | Clear Polycarbonate | Circular |
| BPB-4BN2-6NNN-VGN | 6,700 | 45 | 149 | 100-277VAC / 120-250VDC | 4000K (neutral white) | Clear Polycarbonate | Circular |
| BPB-4UN2-3NNN-VGN | 3,100 | 22 | 144 | 100-277VAC / 120-250VDC | 4000K (neutral white) | Clear Polycarbonate | Ultra-Wide (Type 1) |
| BPB-4UN2-6NNN-VGN | 6,700 | 45 | 149 | 100-277VAC / 120-250VDC | 4000K (neutral white) | Clear Polycarbonate | Ultra-Wide (Type 1) |
| BPB-4BA2-5NNN-VGN | 4,200 | 46 | 91 | 100-277VAC / 120-250VDC | Amber | Clear Polycarbonate | Circular |
| Pole Mount Battery Backup Models | | | | | | | |
| BPB-4BCG-3NNN-VGG | 3,200 | 25 | 128 | 230-240VAC | 5000K (cool white) | Clear Polycarbonate | Circular |
| BPB-4BCG-6NNN-VGG | 6,700 | 48 | 140 | 230-240VAC | 5000K (cool white) | Clear Polycarbonate | Circular |
| BPB-4UCG-3NNN-VGG | 3,100 | 25 | 124 | 230-240VAC | 5000K (cool white) | Clear Polycarbonate | Ultra-Wide (Type 1) |
| BPB-4UCG-6NNN-VGG | 6,400 | 48 | 133 | 230-240VAC | 5000K (cool white) | Clear Polycarbonate | Ultra-Wide (Type 1) |
| BPB-4BNG-3NNN-VGG | 3,200 | 25 | 128 | 230-240VAC | 4000K (neutral white) | Clear Polycarbonate | Circular |
| BPB-4BNG-6NNN-VGG | 6,700 | 48 | 140 | 230-240VAC | 4000K (neutral white) | Clear Polycarbonate | Circular |
| BPB-4UNG-3NNN-VGG | 3,100 | 25 | 124 | 230-240VAC | 4000K (neutral white) | Clear Polycarbonate | Ultra-Wide (Type 1) |
| BPB-4UNG-6NNN-VGG | 6,400 | 48 | 133 | 230-240VAC | 4000K (neutral white) | Clear Polycarbonate | Ultra-Wide (Type 1) |
| BPB-6BGG-3NNN-VGG | 2,600 | 33 | 79 | 230-240VAC | Green | Domed Diffused | Circular |

All values typical unless otherwise stated (tolerance +/- 10%).
Part numbers listed in **bold** are typically available in stock.
2700k models available on request
44mm spigot entry option available

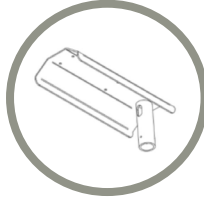
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Accessories



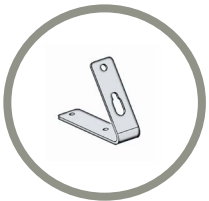
BH-BRKT-SS-ADJ

- 316 stainless steel adjustable bracket kit



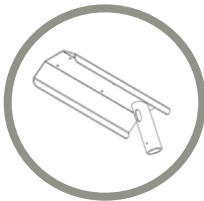
BH-STMB-05-10-HD

- Aluminium stanchion mount, 5° up-tilt - 50mm pole



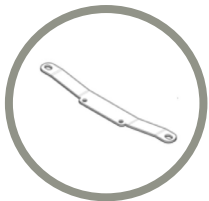
BH-BRKT-A-KIT

- 316 stainless steel wall/ceiling flush mount bracket kit



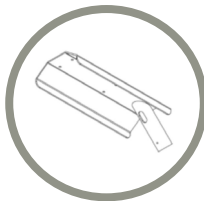
BH-STMB-25-10-HD

- Aluminium stanchion mount, 25° up-tilt - 50mm pole



BH-BRKT-F-KIT

- 316 stainless steel wall/ceiling flush mount bracket kit



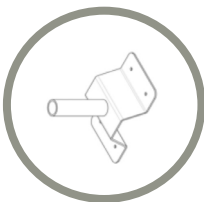
BH-STMB-45-10-HD

- Aluminium stanchion mount, 45° up-tilt - 50mm pole



BH-BRKT-LG-PF

- Aluminium pipe mount bracket kit - 50mm



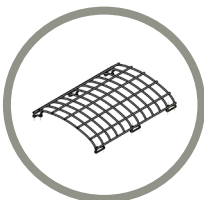
HZX-SPIGOT-34

- Aluminium wall mount spigot plate - 34mm



H6XCAB72

- 72" stainless steel safety rope

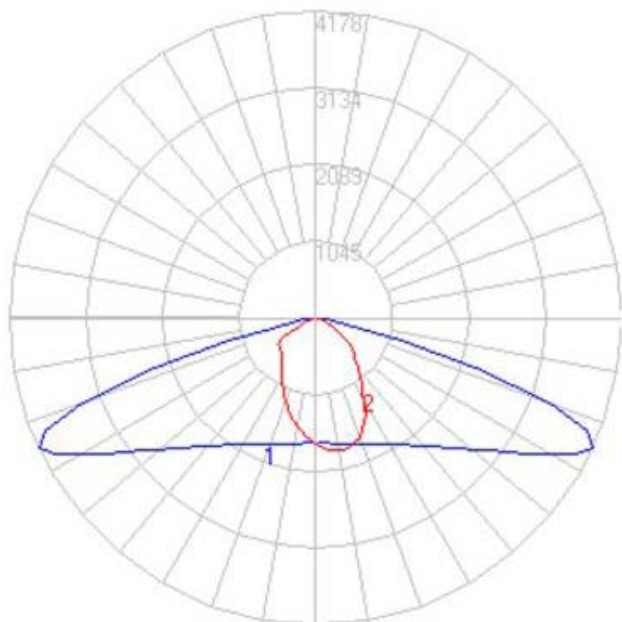


BH-WG-KIT

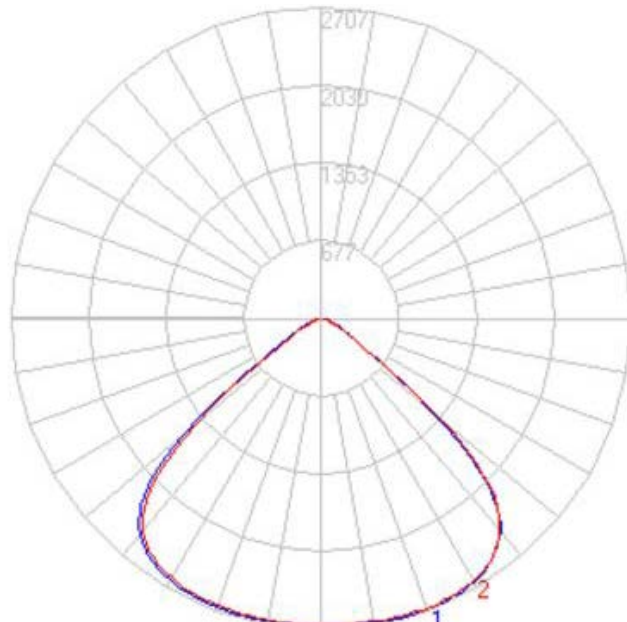
- Stainless steel wire guard kit

Beam Distribution - Zone 1

Ultra-Wide Walkway (Type 1) - Clear

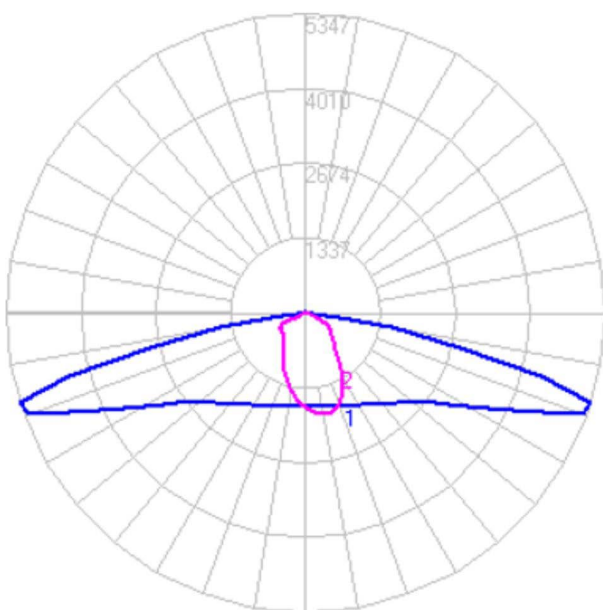


Circular - Clear

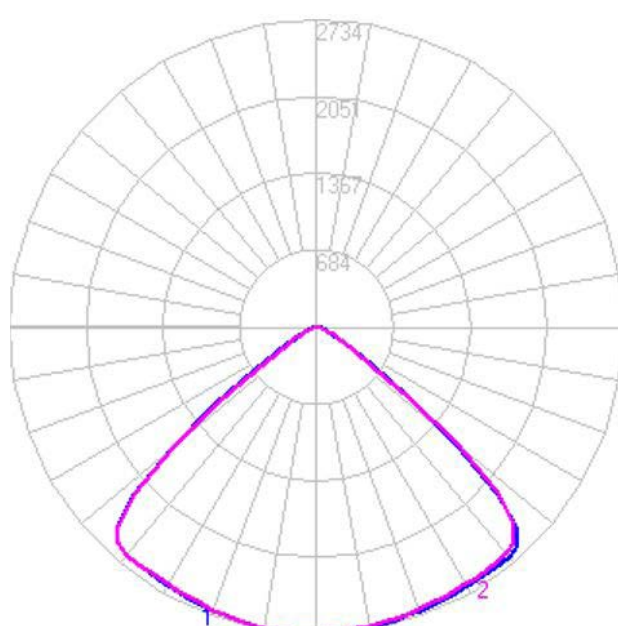


Beam Distribution - Zone 2

Ultra-Wide Walkway (Type 1) - Clear

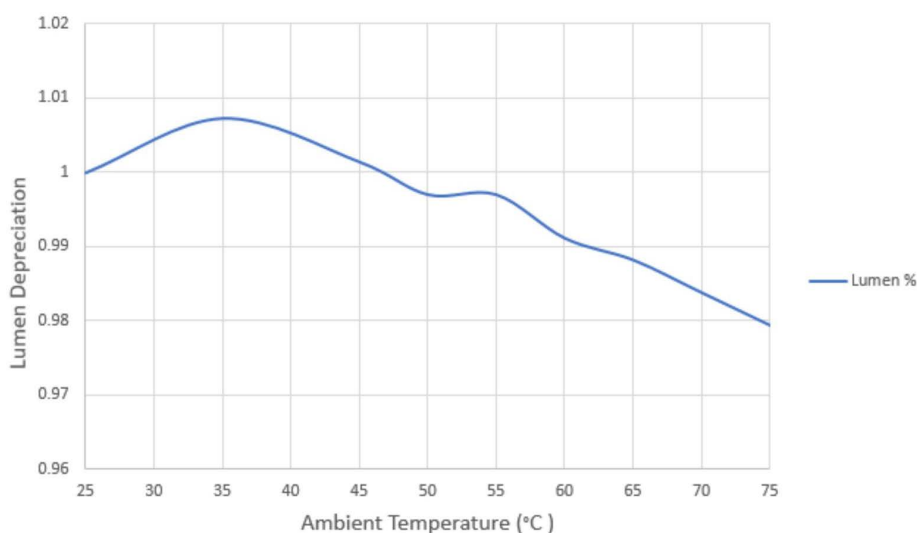


Circular - Clear



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Thermal Roll-Off



Inrush Current / Circuit Breakers

| Output | In rush (A) current @ input voltage | | | | | | | |
|--------|-------------------------------------|---------------|---------|---------------|---------|---------------|---------|---------------|
| | 100 VAC | Duration (MS) | 120 VAC | Duration (MS) | 230 VAC | Duration (MS) | 277 VAC | Duration (MS) |
| 6,500 | 6 | 0.6 | 8 | 0.6 | 15 | 0.6 | 18 | 0.6 |
| 3,000 | 6 | 0.6 | 8 | 0.6 | 15 | 0.6 | 18 | 0.6 |

| Output | GND Leakage (mA) input voltage | | | |
|--------|--------------------------------|---------|---------|---------|
| | 100 VAC | 120 VAC | 230 VAC | 277 VAC |
| 6,500 | 0.5 | 0.5 | 0.8 | 1.0 |
| 3,000 | 0.5 | 0.5 | 0.8 | 1.0 |

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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

| Vigilant Bulkhead 3,000lm | | | | | | | | |
|---------------------------|-------|-------|-------|-------|-------|-------|-------|--------|
| 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% |

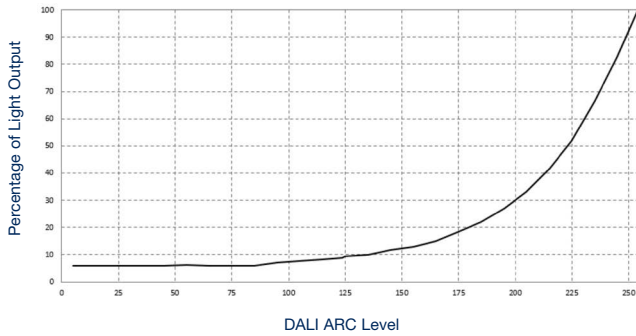
Based on 9,000 hour LM80 data

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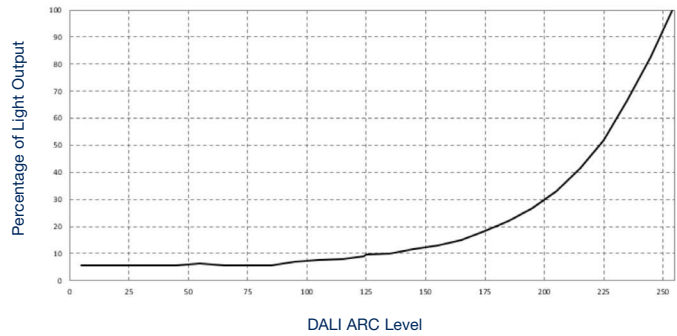
Dimming Curves

DALI Dimming

6,500lm

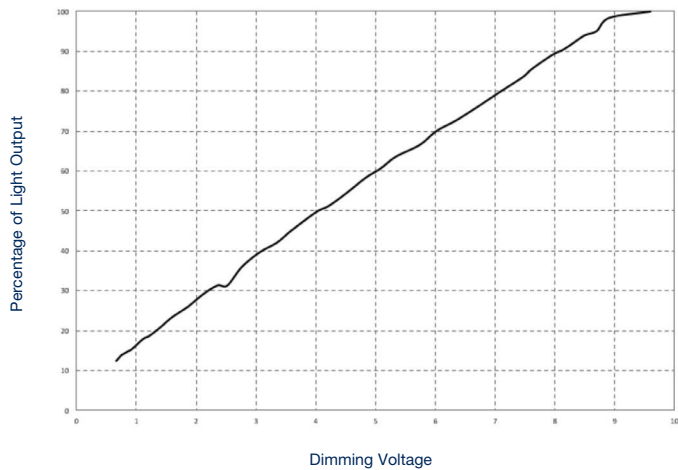


3,000lm

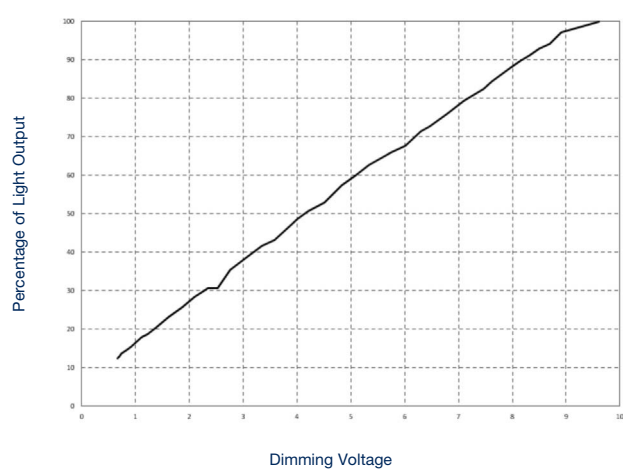


0-10V Dimming

6,500lm



3,000lm



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