

Warehouse & Industrial Product Portfolio



ENERGY EFFICIENT LIGHTING SYSTEMS

ECOTRONIC

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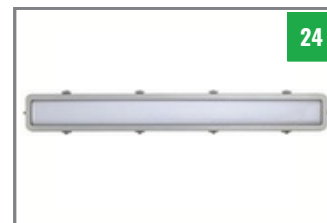
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Excel



EcoSTAR® Excel represents the latest in high efficiency LED industrial lighting. Cutting edge lens technology provides options for open areas and racking aisles

- Rugged construction in heavy gauge sheet steel
- High Lumen efficiency up to 165lm/w
- 100,000 hours lifetime
- Tridonic 5 year system warranty
- Wide range of control options available



LED Technology



5 Year System Warranty



Energy Efficient



Daylight Harvesting



Sensor Options



IP20 Protection



Emergency

Order Guide

| Product Code | Optic | Power (w) | Lumens | Length (mm) | Width (mm) | Height (mm) |
|--------------|--------|-----------|--------|-------------|------------|-------------|
| ES4H400EXW | Wide | 118 | 19280 | 760 | 370 | 80 |
| ES4H450EXW | Wide | 134 | 21343 | 760 | 370 | 80 |
| ES4H500EXW | Wide | 149 | 23406 | 760 | 370 | 80 |
| ES4H400EXN | Narrow | 118 | 22230 | 760 | 370 | 80 |
| ES4H450EXN | Narrow | 134 | 24608 | 760 | 370 | 80 |
| ES4H500EXN | Narrow | 149 | 26987 | 760 | 370 | 80 |
| ES6H400EXW | Wide | 178 | 28920 | 1325 | 370 | 80 |
| ES6H450EXW | Wide | 201 | 32014 | 1325 | 370 | 80 |
| ES6H500EXW | Wide | 224 | 35109 | 1325 | 370 | 80 |
| ES6H400EXN | Narrow | 178 | 33345 | 1325 | 370 | 80 |
| ES6H450EXN | Narrow | 201 | 36913 | 1325 | 370 | 80 |
| ES6H500EXN | Narrow | 224 | 40480 | 1325 | 370 | 80 |
| ES8H400EXW | Wide | 237 | 38560 | 1325 | 370 | 80 |
| ES8H450EXW | Wide | 268 | 42686 | 1325 | 370 | 80 |
| ES8H500EXW | Wide | 299 | 46812 | 1325 | 370 | 80 |
| ES8H400EXN | Narrow | 222 | 44460 | 1325 | 370 | 80 |
| ES8H450EXN | Narrow | 268 | 49217 | 1325 | 370 | 80 |
| ES8H500EXN | Narrow | 299 | 53974 | 1325 | 370 | 80 |
| ES12H500EXW | Wide | 449 | 70218 | 1325 | 540 | 80 |
| ES12H500EXN | Narrow | 449 | 80960 | 1325 | 540 | 80 |

Further options available - Please contact our office for more details

Ecotronic
www.ecotroniclighting.co.uk
 Tel: 0845 170 4567

Accessories

| Code | Description |
|------------|---|
| .../M3 | 3 hour maintained emergency |
| .../DS | DSI dimming |
| .../DD | DALI dimming |
| .../PIR | iSMART Integral sensor for presence detection and daylight switching |
| .../PIRDIM | iSMART Integral sensor for presence detection and daylight dimming - DALI |

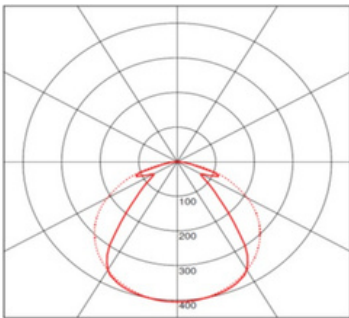
Fixing Options

| Nominal Size (mm) | Fixing Centres (mm) | Recessed | Surface Fix | Suspension Fix | Conduit Entry |
|-------------------|---------------------|----------|-------------|----------------|---------------|
| 760 x 370 | 660 | n/a | yes | yes | n/a |
| 1325 x 370 | 1225 | n/a | yes | yes | n/a |
| 1325 x 540 | 1225 | n/a | yes | yes | n/a |

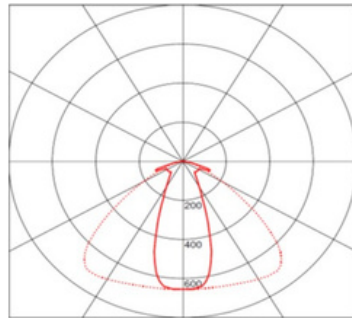
LED Performance

| Product Code | Projected Life | CCT (K) | Power (w) | Luminaire Lumens | l/cw | CRI |
|--------------|----------------|---------|-----------|------------------|-------|-----|
| ES4H500EXW | 100,000 hours | 4000 | 149 | 23406 | 157.1 | >80 |
| ES4H400EXN | 100,000 hours | 4000 | 118 | 22230 | 188.4 | >80 |

Photometric Data



Wide



Narrow

Excel High Rack



LED Technology



5 Year System Warranty



Energy Efficient



Daylight Harvesting



Sensor Options



IP20 Protection



Emergency

EcoSTAR® Excel represents the latest in high efficiency LED industrial lighting. Especially suited for very narrow and very high racking aisle applications

- Industry leading reflector optic
- High Lumen efficiency up to 194lm/w
- 100,000 hours lifetime
- 5 year system warranty
- Wide range of control options available

Order Guide

| Product Code | Optic | Power (w) | Lumens | Length (mm) | Width (mm) | Height (mm) |
|--------------|-----------|-----------|--------|-------------|------------|-------------|
| EXC4O400UHR | High Rack | 118 | 22896 | 1180 | 370 | 80 |
| EXC4O450UHR | High Rack | 134 | 25111 | 1180 | 370 | 80 |
| EXC4O500UHR | High Rack | 149 | 27324 | 1180 | 370 | 80 |
| EXC6O400UHR | High Rack | 178 | 34345 | 1300 | 370 | 80 |
| EXC6O450UHR | High Rack | 201 | 37666 | 1300 | 370 | 80 |
| EXC6O500UHR | High Rack | 224 | 40988 | 1300 | 370 | 80 |

Accessories

| Code | Description |
|----------|--|
| .../M3H | 3 hour maintained high output emergency |
| .../M3ST | 3 hour maintained emergency, self test |
| .../D | DALI dimming |
| .../P | Integral sensor for presence detection and daylight switching |
| .../PD | Integral sensor for presence detection and daylight dimming - DALI |

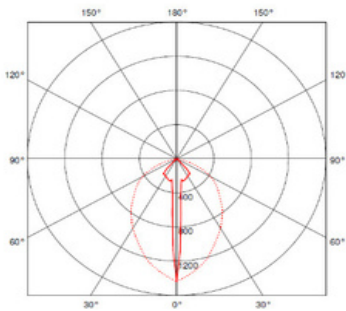
Fixing Options

| Nominal Size (mm) | Fixing Centres (mm) | Recessed | Surface Fix | Suspension Fix | Conduit Entry |
|-------------------|---------------------|----------|-------------|----------------|---------------|
| 1180 x 370 | 1120 | n/a | yes | yes | n/a |
| 1300 x 370 | 1235 | | | | |

LED Performance

| Product Code | Projected Life | CCT (K) | Power (w) | Luminaire Lumens | l/cw | CRI |
|--------------|----------------|---------|-----------|------------------|-------|-----|
| EXC40400UHR | 100,000 hours | 4000 | 118 | 22896 | 194.0 | >80 |
| EXC60450UHR | 100,000 hours | 4000 | 201 | 37666 | 187.4 | >80 |

Photometric Data



Ultra High Rack

Excel IP



EcoSTAR® Excel represents the latest in high efficiency LED industrial lighting. Cutting edge lens technology provides options for open areas and racking aisles

- Rugged construction in heavy gauge sheet steel
- High Lumen efficiency up to 165lm/w
- 100,000 hours lifetime
- Tridonic 5 year system warranty
- IP Rated
- Wide range of control options available



LED Technology



5 Year System Warranty



Energy Efficient



Daylight Harvesting



Sensor Options



IP65 Protection



Emergency

Order Guide

| Product Code | Optic | Power (w) | Lumens | Length (mm) | Width (mm) | Height (mm) |
|---------------|--------|-----------|--------|-------------|------------|-------------|
| ES4H400EXW/IP | Wide | 118 | 19280 | 630 | 365 | 80 |
| ES4H450EXW/IP | Wide | 134 | 21343 | 630 | 365 | 80 |
| ES4H500EXW/IP | Wide | 149 | 23406 | 630 | 365 | 80 |
| ES4H400EXN/IP | Narrow | 118 | 22230 | 630 | 365 | 80 |
| ES4H450EXN/IP | Narrow | 134 | 24608 | 630 | 365 | 80 |
| ES4H500EXN/IP | Narrow | 149 | 26987 | 630 | 365 | 80 |
| ES6H400EXW/IP | Wide | 178 | 28920 | 630 | 520 | 80 |
| ES6H450EXW/IP | Wide | 201 | 32014 | 630 | 520 | 80 |
| ES6H500EXW/IP | Wide | 224 | 35109 | 630 | 520 | 80 |
| ES6H400EXN/IP | Narrow | 178 | 33345 | 630 | 520 | 80 |
| ES6H450EXN/IP | Narrow | 201 | 36913 | 630 | 520 | 80 |
| ES6H500EXN/IP | Narrow | 224 | 40480 | 630 | 520 | 80 |
| ES8H400EXW/IP | Wide | 237 | 38560 | 1210 | 365 | 80 |
| ES8H450EXW/IP | Wide | 268 | 42686 | 1210 | 365 | 80 |
| ES8H500EXW/IP | Wide | 299 | 46812 | 1210 | 365 | 80 |
| ES8H400EXN/IP | Narrow | 222 | 44460 | 1210 | 365 | 80 |
| ES8H450EXN/IP | Narrow | 268 | 49217 | 1210 | 365 | 80 |
| ES8H500EXN/IP | Narrow | 299 | 53974 | 1210 | 365 | 80 |

Further options available - Please contact our office for more details

Ecotronic
www.ecotroniclighting.co.uk
 Tel: 0845 170 4567

Accessories

| Code | Description |
|---------|---|
| .../M3 | 3 hour maintained emergency |
| .../DS | DSI dimming |
| .../DD | DALI dimming |
| .../SS | iSMART Integral sensor for presence detection and daylight switching |
| .../SDD | iSMART Integral sensor for presence detection and daylight dimming - DALI |

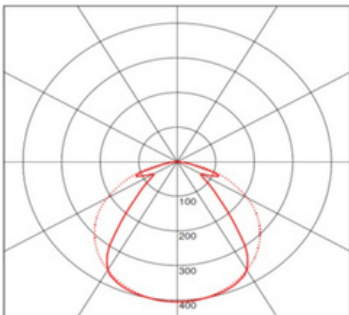
Fixing Options

| Nominal Size (mm) | Fixing Centres (mm) | Recessed | Surface Fix | Suspension Fix | Conduit Entry |
|-------------------|---------------------|----------|-------------|----------------|---------------|
| 630 x 365 | 500 | n/a | yes | yes | n/a |
| 630 x 520 | 500 | n/a | yes | yes | n/a |
| 1210 x 365 | 1050 | n/a | yes | yes | n/a |

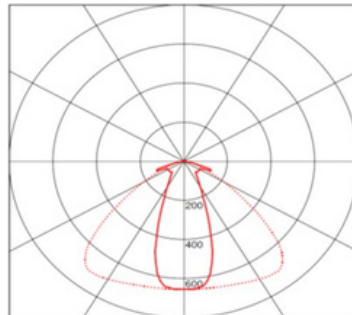
LED Performance

| Product Code | Projected Life | CCT (K) | Power (w) | Luminaire Lumens | lm/cw | CRI |
|--------------|----------------|---------|-----------|------------------|-------|-----|
| ES4T500EXW | 100,000 hours | 4000 | 149 | 23406 | 157.1 | >80 |
| ES4T400EXN | 100,000 hours | 4000 | 118 | 22230 | 188.4 | >80 |

Photometric Data



Wide



Narrow

Excel Sport



EcoSTAR® Excel represents the latest in high efficiency LED industrial lighting. Cutting edge diffuser technology provides a soft glare free output.

- High Lumen efficiency up to 165lm/w
- 100,000 hours lifetime
- 5 year system warranty
- Wide range of control options available

Order Guide

| Product Code | Optic | Power (w) | Lumens | Length (mm) | Width (mm) | Height (mm) |
|--------------|-------|-----------|--------|-------------|------------|-------------|
| EXC40400WXS | Wide | 118 | 15388 | 755 | 370 | 80 |
| EXC40450WXS | Wide | 134 | 17031 | 755 | 370 | 80 |
| EXC40500WXS | Wide | 149 | 18675 | 755 | 370 | 80 |
| EXC60400WXS | Wide | 178 | 23082 | 1300 | 370 | 80 |
| EXC60450WXS | Wide | 201 | 25547 | 1300 | 370 | 80 |
| EXC60500WXS | Wide | 224 | 28012 | 1300 | 370 | 80 |
| EXC80400WXS | Wide | 237 | 30776 | 1300 | 370 | 80 |
| EXC80450WXS | Wide | 268 | 34063 | 1300 | 370 | 80 |
| EXC80500WXS | Wide | 299 | 37350 | 1300 | 370 | 80 |

Further options available - Please contact our office for more details

Accessories

| Code | Description |
|-----------|--|
| .../M3H | 3 hour maintained high output emergency |
| .../M3HST | 3 hour maintained high output emergency, self test |
| .../D | DALI dimming |
| .../P | Integral sensor for presence detection and daylight switching |
| .../PD | Integral sensor for presence detection and daylight dimming - DALI |



LED Technology



5 Year System Warranty



Energy Efficient



Daylight Harvesting



Sensor Options



IP20 Protection



Emergency



IK08

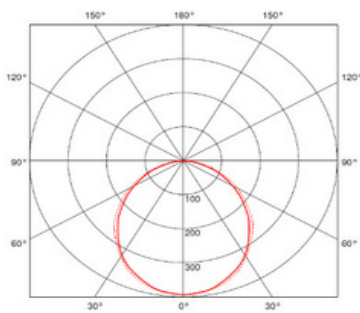
Fixing Options

| Nominal Size (mm) | Fixing Centres (mm) | Recessed | Surface Fix | Suspension Fix | Conduit Entry |
|-------------------|---------------------|----------|-------------|----------------|---------------|
| 755 x 370 | 685 | n/a | yes | yes | n/a |
| 1300 x 370 | 1235 | n/a | yes | yes | n/a |

LED Performance

| Product Code | Projected Life | CCT (K) | Power (w) | Luminaire Lumens | l/cw | CRI |
|--------------|----------------|---------|-----------|------------------|-------|-----|
| EXC40500WXS | 100,000 hours | 4000 | 149 | 18675 | 125.3 | >80 |
| EXC80450WXS | 100,000 hours | 4000 | 268 | 34063 | 127.1 | >80 |

Photometric Data



Harrier



EcoSTAR® Harrier represents the latest in high efficiency LED retail lighting. Cutting edge lens technology provides excellent lighting distribution for open space retail areas

- Slim construction in heavy gauge sheet steel
- High Lumen efficiency up to 170lm/w
- 100,000 hours lifetime
- 5 year system warranty
- Wide range of control options available

Order Guide

| Product Code | Optic | Power (w) | Lumens | Length (mm) | Width (mm) | Height (mm) |
|--------------|-------|-----------|--------|-------------|------------|-------------|
| ES6H400HAR | Wide | 79 | 12600 | 580 | 490 | 90 |
| ES6H450HAR | Wide | 89 | 14175 | 580 | 490 | 90 |
| ES6H500HAR | Wide | 99 | 15750 | 580 | 490 | 90 |
| ES6H550HAR | Wide | 109 | 17325 | 580 | 490 | 90 |
| ES6H600HAR | Wide | 119 | 18900 | 580 | 490 | 90 |
| ES6H650HAR | Wide | 129 | 20475 | 580 | 490 | 90 |
| ES6H700HAR | Wide | 139 | 22050 | 580 | 490 | 90 |
| ES12H400HAR | Wide | 158 | 25200 | 880 | 490 | 90 |
| ES12H450HAR | Wide | 178 | 28350 | 880 | 490 | 90 |
| ES12H500HAR | Wide | 198 | 31500 | 880 | 490 | 90 |
| ES12H550HAR | Wide | 218 | 34650 | 880 | 490 | 90 |
| ES12H600HAR | Wide | 238 | 37800 | 880 | 490 | 90 |
| ES12H650HAR | Wide | 258 | 40950 | 880 | 490 | 90 |
| ES12H700HAR | Wide | 278 | 44100 | 880 | 490 | 90 |

Further options available - Please contact our office for more details



LED Technology



5 Year System Warranty



Energy Efficient



Daylight Harvesting



Sensor Options



IP20 Protection



Emergency

Ecotronic

www.ecotroniclighting.co.uk

Tel: 0845 170 4567

Accessories

| Code | Description |
|------------|---|
| .../M3 | 3 hour maintained emergency |
| .../DS | DSI dimming |
| .../DD | DALI dimming |
| .../PIR | iSMART Integral sensor for presence detection and daylight switching |
| .../PIRDIM | iSMART Integral sensor for presence detection and daylight dimming - DALI |

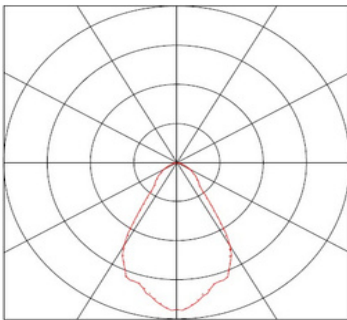
Fixing Options

| Nominal Size (mm) | Fixing Centres (mm) | Recessed | Surface Fix | Suspension Fix | Conduit Entry |
|----------------------|------------------------|----------|----------------|-------------------|------------------|
| 580 x 490 | 475 | n/a | yes | yes | n/a |
| 880 x 490 | 775 | n/a | yes | yes | n/a |

LED Performance

| Product Code | Projected Life | CCT (K) | Power (w) | Luminaire Lumens | lm/cw | CRI |
|--------------|----------------|---------|-----------|---------------------|--------|-----|
| ES4H400HAR | 100,000 hours | 4000 | 75 | 12882 | 171.76 | >80 |
| ES4H550HAR | 100,000 hours | 4000 | 106 | 17271 | 162.93 | >80 |

Photometric Data



Wide

Linear Excel Wide



Designed for use in a broad range of applications, EcoSTAR® Linear Excel is engineered for value and performance to maximise ROI.

- Aluminium body construction for optimum LED performance
- High efficiency rack lens available for aisle applications
- Longest system life >100K hours - L80/F10
- Excellent efficacy, up to 174 lm/cw
- Manufacturer's 5 year system warranty

Order Guide

| Product Code | Lumens | Power (w) | Length (mm) | Width (mm) | Height (mm) |
|-------------------|--------|-----------|-------------|------------|-------------|
| ES2TL200LINEX-W | 3522 | 19 | 1195 | 65 | 60 |
| ES2TL250LINEX-W | 4331 | 24 | 1195 | 65 | 60 |
| ES2TL300LINEX-W | 5088 | 28 | 1195 | 65 | 60 |
| ES2TL350LINEX-W | 5903 | 34 | 1195 | 65 | 60 |
| ES2TL400LINEX-W | 6803 | 39 | 1195 | 65 | 60 |
| ES2TL450LINEX-W | 7609 | 45 | 1195 | 65 | 60 |
| ES2TL500LINEX-W | 8414 | 50 | 1195 | 65 | 60 |
| ES2.5TL200LINEX-W | 4402 | 24 | 1495 | 65 | 60 |
| ES2.5TL250LINEX-W | 5414 | 30 | 1495 | 65 | 60 |
| ES2.5TL300LINEX-W | 6360 | 35 | 1495 | 65 | 60 |
| ES2.5TL350LINEX-W | 7379 | 43 | 1495 | 65 | 60 |
| ES2.5TL400LINEX-W | 8504 | 49 | 1495 | 65 | 60 |
| ES2.5TL450LINEX-W | 9512 | 56 | 1495 | 65 | 60 |
| ES2.5TL500LINEX-W | 10516 | 63 | 1495 | 65 | 60 |
| ES2TH350LINEX-W | 8387 | 51 | 1195 | 65 | 60 |
| ES2TH400LINEX-W | 9640 | 59 | 1195 | 65 | 60 |
| ES2TH450LINEX-W | 10671 | 67 | 1195 | 65 | 60 |
| ES2TH500LINEX-W | 11703 | 75 | 1195 | 65 | 60 |
| ES2.5TH350LINEX-W | 10483 | 64 | 1495 | 65 | 60 |
| ES2.5TH400LINEX-W | 12050 | 74 | 1495 | 65 | 60 |
| ES2.5TH450LINEX-W | 13339 | 84 | 1495 | 65 | 60 |
| ES2.5TH500LINEX-W | 14628 | 94 | 1495 | 65 | 60 |



LED Technology



5 Year System Warranty



Energy Efficient



Daylight Harvesting



Sensor Options



IP20 Protection



Emergency

Accessories

| Code | Description |
|------------|--|
| .../M3 | 3 hour maintained emergency |
| .../M3H | 3 hour maintained emergency - high output |
| .../M3ST | 3 hour emergency - self test |
| .../M3AT | 3 hour emergency - auto test |
| .../DS | DSI dimming |
| .../N | Narrow Beam Lens |
| .../PIR | Integral "end-fix" sensor for presence detection and daylight switching |
| .../DD | DALI dimming |
| .../PIRDIM | Integral "end-fix" sensor for presence detection and daylight dimming - DALI |

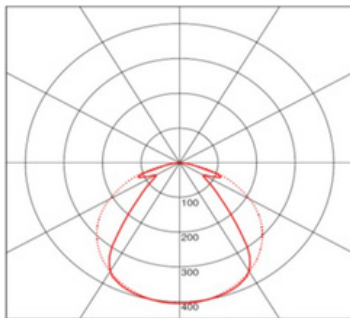
Fixing Options

| Nominal Size (mm) | Fixing Centres (mm) | Recessed | Surface Fix | Suspension Fix | Conduit Entry |
|-------------------|---------------------|----------|-------------|----------------|---------------|
| 1195 | 600 | n/a | yes | yes | yes |
| 1495 | 600 | n/a | yes | yes | yes |

LED Performance

| Product Code | CCT (K) | Power (w) | Luminaire Lumens | l/cw | CRI |
|-------------------|---------|-----------|------------------|-------|-----|
| ES2TL250LINEX-W | 4000 | 24.0 | 4331 | 180.4 | >80 |
| ES2TH400LINEX-W | 4000 | 59.0 | 9640 | 163.4 | >80 |
| ES2.5TH500LINEX-W | 4000 | 94.0 | 14628 | 155.6 | >80 |

Photometric Data



Open Area

Linear Excel Narrow



Designed for use in a broad range of applications, EcoSTAR® Linear Excel is engineered for value and performance to maximise ROI.

- Aluminium body construction for optimum LED performance
- High efficiency Wide lens available for open area applications
- Longest system life >100K hours
- Excellent efficacy, up to 160 lm/cw
- Manufacturer's 5 year system warranty

Order Guide

| Product Code | Lumens | Power (w) | Length (mm) | Width (mm) | Height (mm) |
|-------------------|--------|-----------|-------------|------------|-------------|
| ES2TL200LINEX-N | 4066 | 19 | 1195 | 65 | 60 |
| ES2TL250LINEX-N | 4998 | 24 | 1195 | 65 | 60 |
| ES2TL300LINEX-N | 5862 | 28 | 1195 | 65 | 60 |
| ES2TL350LINEX-N | 6085 | 34 | 1195 | 65 | 60 |
| ES2TL400LINEX-N | 7846 | 39 | 1195 | 65 | 60 |
| ES2TL450LINEX-N | 8773 | 45 | 1195 | 65 | 60 |
| ES2TL500LINEX-N | 9698 | 50 | 1195 | 65 | 60 |
| ES2.5TL200LINEX-N | 5083 | 24 | 1495 | 65 | 60 |
| ES2.5TL250LINEX-N | 6248 | 30 | 1495 | 65 | 60 |
| ES2.5TL300LINEX-N | 7328 | 35 | 1495 | 65 | 60 |
| ES2.5TL350LINEX-N | 8507 | 43 | 1495 | 65 | 60 |
| ES2.5TL400LINEX-N | 9808 | 49 | 1495 | 65 | 60 |
| ES2.5TL450LINEX-N | 10966 | 56 | 1495 | 65 | 60 |
| ES2.5TL500LINEX-N | 12123 | 63 | 1495 | 65 | 60 |
| ES2TH350LINEX-N | 9670 | 51 | 1195 | 65 | 60 |
| ES2TH400LINEX-N | 11115 | 59 | 1195 | 65 | 60 |
| ES2TH450LINEX-N | 12304 | 67 | 1195 | 65 | 60 |
| ES2TH500LINEX-N | 13494 | 75 | 1195 | 65 | 60 |
| ES2.5TH350LINEX-N | 12088 | 64 | 1495 | 65 | 60 |
| ES2.5TH400LINEX-N | 13894 | 74 | 1495 | 65 | 60 |
| ES2.5TH450LINEX-N | 15380 | 84 | 1495 | 65 | 60 |
| ES2.5TH500LINEX-N | 16867 | 94 | 1495 | 65 | 60 |



LED Technology



5 Year System Warranty



Energy Efficient



Daylight Harvesting



Sensor Options



IP20 Protection



Emergency

Accessories

| Code | Description |
|------------|--|
| .../M3 | 3 hour maintained emergency |
| .../M3H | 3 hour maintained emergency - high output |
| .../M3ST | 3 hour emergency - self test |
| .../M3AT | 3 hour emergency - auto test |
| .../DS | DSI dimming |
| .../N | Narrow Beam Lens |
| .../PIR | Integral "end-fix" sensor for presence detection and daylight switching |
| .../DD | DALI dimming |
| .../PIRDIM | Integral "end-fix" sensor for presence detection and daylight dimming - DALI |

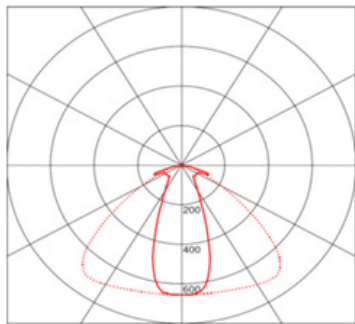
Fixing Options

| Nominal Size (mm) | Fixing Centres (mm) | Recessed | Surface Fix | Suspension Fix | Conduit Entry |
|-------------------|---------------------|----------|-------------|----------------|---------------|
| 1195 | 600 | n/a | yes | yes | yes |
| 1495 | 600 | n/a | yes | yes | yes |

LED Performance

| Product Code | CCT (K) | Power (w) | Luminaire Lumens | l/cw | CRI |
|-------------------|---------|-----------|------------------|-------|-----|
| ES2TL250LINEX-N | 4000 | 24.0 | 4998 | 208.0 | >80 |
| ES2TH400LINEX-N | 4000 | 59.0 | 11115 | 188.3 | >80 |
| ES2.5TH500LINEX-N | 4000 | 94.0 | 16867 | 179.4 | >80 |

Photometric Data



Racking Aisle

Linear



Designed for use in a broad range of applications, EcoSTAR® Linear is engineered for performance to maximise ROI.

- Aluminium body construction for optimum LED performance
- Satine anti-glare polycarbonate diffuser ideal for low level applications
- High efficiency rack reflector for aisle applications
- Longest system life >100K hours
- Excellent efficacy, up to 160 lm/cw
- Manufacturer's 5 year system warranty
- Manufactured in accordance with BS EN 60598-2-22



LED Technology



5 Year System Warranty



Energy Efficient



Daylight Harvesting



Sensor Options



IP40 Protection



Emergency

Order Guide

| Product Code | Lumens | Power (w) | Length (mm) | Width (mm) | Height (mm) |
|--------------|--------|-----------|-------------|------------|-------------|
| ES2L250LIN | 4084 | 24 | 1195 | 65 | 115 |
| ES2L275LIN | 4429 | 27 | 1195 | 65 | 115 |
| ES2L325LIN | 4778 | 29 | 1195 | 65 | 115 |
| ES2L350LIN | 5528 | 34 | 1195 | 65 | 115 |
| ES2L400LIN | 6352 | 39 | 1195 | 65 | 115 |
| ES2L500LIN | 7723 | 50 | 1195 | 65 | 115 |
| ES2.5L250LIN | 5104 | 30 | 1495 | 65 | 115 |
| ES2.5L275LIN | 5532 | 33 | 1495 | 65 | 115 |
| ES2.5L325LIN | 5972 | 36 | 1495 | 65 | 115 |
| ES2.5L350LIN | 6910 | 43 | 1495 | 65 | 115 |
| ES2.5L400LIN | 7940 | 49 | 1495 | 65 | 115 |
| ES2.5L500LIN | 9653 | 63 | 1495 | 65 | 115 |
| ES2H275LIN | 6611 | 40 | 1195 | 65 | 115 |
| ES2H325LIN | 7741 | 47 | 1195 | 65 | 115 |
| ES2H350LIN | 8296 | 51 | 1195 | 65 | 115 |
| ES2H400LIN | 9537 | 59 | 1195 | 65 | 115 |
| ES2H500LIN | 11575 | 75 | 1195 | 65 | 115 |
| ES2.5H275LIN | 8264 | 50 | 1495 | 65 | 115 |
| ES2.5H325LIN | 9676 | 59 | 1495 | 65 | 115 |
| ES2.5H350LIN | 10371 | 64 | 1495 | 65 | 115 |
| ES2.5H400LIN | 11922 | 74 | 1495 | 65 | 115 |
| ES2.5H500LIN | 14468 | 94 | 1495 | 65 | 115 |

Accessories

| Code | Description |
|----------|---|
| .../M3 | 3 hour maintained emergency |
| .../M3ST | 3 hour emergency - self test |
| .../M3AT | 3 hour emergency - auto test |
| .../DS | DSI dimming |
| .../SE | iSMART Integral "end-fix" sensor for presence detection and daylight switching |
| .../DD | DALI dimming |
| .../SED | iSMART Integral "end-fix" sensor for presence detection and daylight dimming - DALI |

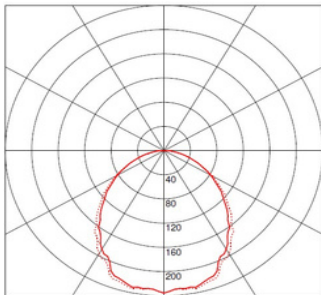
Fixing Options

| Nominal Size (mm) | Fixing Centres (mm) | Recessed | Surface Fix | Suspension Fix | Conduit Entry |
|-------------------|---------------------|----------|-------------|----------------|---------------|
| 1195 | 600 | n/a | yes | yes | yes |
| 1495 | 600 | n/a | yes | yes | yes |

LED Performance

| Product Code | Projected Life | CCT (K) | Power (w) | Luminaire Lumens | lm/cw | CRI |
|--------------|----------------|---------|-----------|------------------|-------|-----|
| ES2L250LIN | 100,000 hours | 4000 | 30.0 | 4084 | 136.0 | >80 |
| ES2H350LIN | 100,000 hours | 4000 | 51.0 | 8296 | 162.6 | >80 |
| ES2.5H500LIN | 100,000 hours | 4000 | 94.0 | 14468 | 153.9 | >80 |

Photometric Data



Satine diffuser

Linear Contract



Designed for use in a broad range of applications, EcoSTAR® Linear Contract is engineered for value and performance to maximise ROI.

- Aluminium body construction for optimum LED performance
- Opal polycarbonate diffuser ideal for low level applications
- 50,000 Hours Lifetime
- Excellent efficacy, up to 130 lm/cw
- Manufacturer's 5 year system warranty



LED Technology



5 Year System Warranty



Energy Efficient



Daylight Harvesting



Sensor Options



IP20 Protection



Emergency

Order Guide

| Product Code | Lumens | Power (w) | Length (mm) | Width (mm) | Height (mm) |
|---------------------|--------|-----------|-------------|------------|-------------|
| Wide Lens | | | | | |
| ES1200/400/LINCO/W | 2290 | 17 | 1195 | 55 | 60 |
| ES1200/700/LINCO/W | 4180 | 32 | 1195 | 55 | 60 |
| Narrow Lens | | | | | |
| ES1500/700/LINCO/W | 3625 | 28 | 1495 | 55 | 60 |
| ES1500/1050/LINCO/W | 5110 | 45 | 1495 | 55 | 60 |
| ES1500/1400/LINCO/W | 6790 | 56 | 1495 | 55 | 60 |
| ES1800/700/LINCO/W | 4180 | 32 | 1795 | 55 | 60 |
| ES1800/1400/LINCO/W | 7510 | 62 | 1795 | 55 | 60 |
| Narrow Lens | | | | | |
| ES1500/700/LINCO/N | 3610 | 28 | 1495 | 55 | 60 |
| ES1500/1050/LINCO/N | 5090 | 45 | 1495 | 55 | 60 |
| ES1500/1400/LINCO/N | 6765 | 56 | 1495 | 55 | 60 |

Accessories

| Code | Description |
|----------|---|
| .../M3 | 3 hour maintained emergency |
| .../M3ST | 3 hour emergency - self test |
| .../M3AT | 3 hour emergency - auto test |
| .../DS | DSI dimming |
| .../R | Rack Reflector |
| .../SE | iSMART Integral "end-fix" sensor for presence detection and daylight switching |
| .../DD | DALI dimming |
| .../SED | iSMART Integral "end-fix" sensor for presence detection and daylight dimming - DALI |

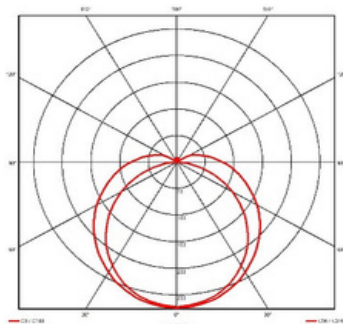
Fixing Options

| Nominal Size (mm) | Fixing Centres (mm) | Recessed | Surface Fix | Suspension Fix | Conduit Entry |
|-------------------|---------------------|----------|-------------|----------------|---------------|
| 1195 | 600 | n/a | yes | yes | yes |
| 1495 | 600 | n/a | yes | yes | yes |
| 1795 | 600 | n/a | yes | yes | yes |

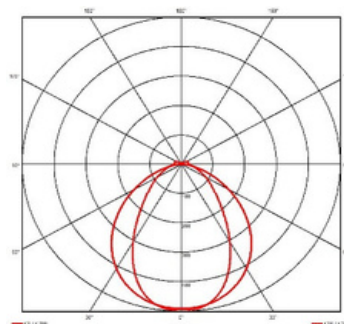
LED Performance

| Product Code | Projected Life | CCT (K) | Power (w) | Luminaire Lumens | l/cw | CRI |
|---------------------|----------------|---------|-----------|------------------|-------|-----|
| ES1200/400/LINCO/W | 50,000 hours | 4000 | 17.0 | 2290 | 134.7 | >80 |
| ES1500/1050/LINCO/W | 50,000 hours | 4000 | 45.0 | 5110 | 113.5 | >80 |
| ES1800/700/LINCO/W | 50,000 hours | 4000 | 32.0 | 4180 | 130.6 | >80 |

Photometric Data



Wide Beam



Narrow Beam

Storm



Durable and robust, EcoSTAR® Storm offers a classic solution for a range of industrial and external applications:

- Excellent efficacy, up to 149 lm/cw
- Up to 50% energy saving - rapid payback
- L70 > 100k hrs - certified laboratory tested
- Manufacturer's 5 year system warranty
- Exceeds criteria for Enhanced Capital Allowance
- Simple installation and maintenance



LED Technology



5 Year System Warranty



Energy Efficient



Daylight Harvesting



Sensor Options



IP65 Protection



Emergency

Order Guide

| Product Code | Optic | Lumens | Power (w) | Length (mm) | Width (mm) | Height (mm) |
|--------------|-----------------|--------|-----------|-------------|------------|-------------|
| ES2L275STM | Satine diffuser | 4354 | 27.0 | 1255 | 115 | 100 |
| ES2L325STM | Satine diffuser | 4700 | 29.0 | 1255 | 115 | 100 |
| ES2L350STM | Satine diffuser | 5438 | 34.0 | 1255 | 115 | 100 |
| ES2L400STM | Satine diffuser | 6249 | 39.0 | 1255 | 115 | 100 |
| ES2L500STM | Satine diffuser | 7597 | 47.0 | 1255 | 115 | 100 |
| ES2.5L200STM | Satine diffuser | 4099 | 24.0 | 1565 | 115 | 100 |
| ES2.5L275STM | Satine diffuser | 5443 | 33.0 | 1565 | 115 | 100 |
| ES2.5L325STM | Satine diffuser | 5875 | 36.0 | 1565 | 115 | 100 |
| ES2.5L350STM | Satine diffuser | 6798 | 43.0 | 1565 | 115 | 100 |
| ES2.5L400STM | Satine diffuser | 7811 | 49.0 | 1565 | 115 | 100 |
| ES2.5L500STM | Satine diffuser | 9497 | 63.0 | 1565 | 115 | 100 |
| ES2H275STM | Satine diffuser | 6504 | 40.0 | 1255 | 115 | 100 |
| ES2H325STM | Satine diffuser | 7615 | 47.0 | 1255 | 115 | 100 |
| ES2H350STM | Satine diffuser | 8162 | 51.0 | 1255 | 115 | 100 |
| ES2H400STM | Satine diffuser | 9383 | 59.0 | 1255 | 115 | 100 |
| ES2H500STM | Satine diffuser | 11387 | 75.0 | 1255 | 115 | 100 |
| ES2.5H275STM | Satine diffuser | 8130 | 50.0 | 1565 | 115 | 100 |
| ES2.5H325STM | Satine diffuser | 9519 | 59.0 | 1565 | 115 | 100 |
| ES2.5H350STM | Satine diffuser | 10203 | 64.0 | 1565 | 115 | 100 |
| ES2.5H400STM | Satine diffuser | 11729 | 74.0 | 1565 | 115 | 100 |
| ES2.5H500STM | Satine diffuser | 14234 | 94.0 | 1565 | 115 | 100 |

Accessories

| Code | Description |
|------------|--|
| .../M3 | 3 hour maintained emergency |
| .../M3ST | 3 hour maintained emergency - self test |
| .../M3AT | 3 hour maintained emergency - auto test |
| .../DD | DALI dimming |
| .../DS | DSI dimming |
| .../PIR | Integral "end-fix" sensor for presence detection and daylight switching |
| .../PIRDIM | Integral "end-fix" sensor for presence detection and daylight dimming - DALI |

Fixing Options

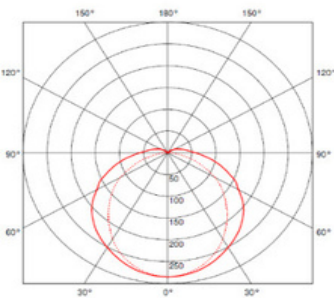
| Nominal Size (mm) | Surface | Suspension | Surface Fix | Suspension Fix | Conduit Entry |
|----------------------|------------------------|------------------------|----------------|-------------------|------------------|
| | Fixing Centres (mm) | Fixing Centres (mm) | | | |
| 1265 | 700 | n/a | yes | yes | n/a |
| 1565 | 1000 | n/a | yes | yes | n/a |



LED Performance

| Product Code | Projected Life | CCT (K) | Power (w) | Luminaire Lumens | l/cw | CRI |
|--------------|----------------|---------|-----------|---------------------|-------|-----|
| ES2L400STM | 100,000 hours | 4000 | 39.0 | 6249 | 160.2 | >80 |
| ES2.5L275STM | 100,000 hours | 4000 | 33.0 | 5443 | 164.9 | >80 |
| ES2H350STM | 100,000 hours | 4000 | 51.0 | 8162 | 160.0 | >80 |
| ES2.5H400STM | 100,000 hours | 4000 | 74.0 | 9383 | 126.8 | >80 |

Photometric Data



Hercules



EcoSTAR®Hercules offers leading brand LED technology in a robust, durable housing, suitable for more demanding and hostile environments.

- Rugged construction made of heavy-duty die cast aluminium housing to IP66
- UV stabilised polycarbonate vandal resistant lens
- Wide range of surface treatments and protective paint finishes available
- 5 year system warranty
- Industry standard driver with added surge and burst protection and increased temperature range

Order Guide

| Product Code | Optic | Lumens | Length (mm) | Width (mm) | Height (mm) |
|--------------|-------|--------|-------------|------------|-------------|
| ES13000HER | Wide | 13172 | 1247 | 178 | 102 |
| ES16000HER | Wide | 15930 | 1247 | 178 | 102 |

Accessories

| Code | Description |
|---------|---|
| .../M3 | 3 hour maintained emergency |
| .../DS | DSI dimming |
| .../SS | iSMART Integral sensor for presence detection and daylight switching |
| .../DD | DALI dimming |
| .../SED | iSMART Integral “end-fix” sensor for presence detection and daylight dimming - DALI |

Fixing Options

| Nominal Size (mm) | Recessed | Surface Fix | Suspension Fix | Conduit Entry |
|-------------------|----------|-------------|----------------|---------------|
| 1247 | n/a | yes | yes | yes |



LED Technology



5 Year System Warranty



Energy Efficient



Impact Resistant to IK10



IP66 Protection

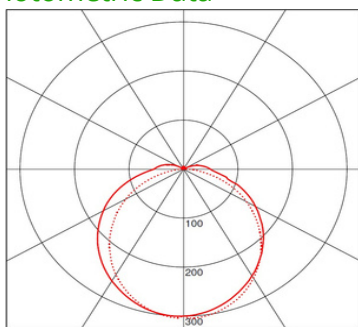


Emergency

LED Performance

| Product Code | Projected Life | CCT (K) | Power (w) | Luminaire Lumens | l/cw | CRI |
|--------------|----------------|---------|-----------|------------------|------|-----|
| ES13000HER | 100,000 hours | 4000 | 112 | 13172 | 118 | >80 |
| ES16000HER | 100,000 hours | 4000 | 136 | 15930 | 117 | >80 |

Photometric Data



Wide

Endurance



EcoSTAR® Endurance offers Tridonic LED technology in a robust, durable housing, suitable for more demanding and hostile environments.

- Rugged construction in heavy gauge sheet steel to IP65 / IK10
- UV stabilised polycarbonate (image shown) or toughened glass cover
- Options available with wide array of lens options & clear polycarbonate cover
- Wide range of surface treatments and protective paint finishes available
- Tridonic / Osram 5 year system warranty
- 100,000 hrs service life L70/B50
- Industry standard driver with added surge and burst protection for cold store applications and increased temperature range available

Order Guide

| Product Code | Optic * | Lumens | Power (w) | lm/cw | CRI |
|-----------------|------------|--------|-----------|-------|-----|
| ES3T4/350END/WW | Extra Wide | 7821 | 51 | 153.4 | >80 |
| ES3T4/500END/WW | Extra Wide | 10893 | 72 | 151.3 | >80 |
| ES3T4/700END/WW | Extra Wide | 15042 | 105 | 143.3 | >80 |
| ES4T4/350END/WW | Extra Wide | 10428 | 68 | 153.4 | >80 |
| ES4T4/500END/WW | Extra Wide | 14524 | 96 | 151.3 | >80 |
| ES4T4/700END/WW | Extra Wide | 20056 | 140 | 143.3 | >80 |

* Other optics are available - Please contact our office for more details

Accessories

| Code | Description |
|------------|---|
| .../M3 | 3 hour maintained emergency |
| .../DS | DSI dimming |
| .../DD | DALI dimming |
| .../PIR | Integral sensor for presence detection |
| .../PIRDIM | Integral sensor for presence detection and daylight dimming |
| .../IRIS1 | IRIS1 wireless enabled |
| .../IRIS2 | IRIS2 wireless enabled |



LED Technology



5 Year System Warranty



Energy Efficient



Impact Resistant to IK10



IP65 Protection



Daylight Harvesting



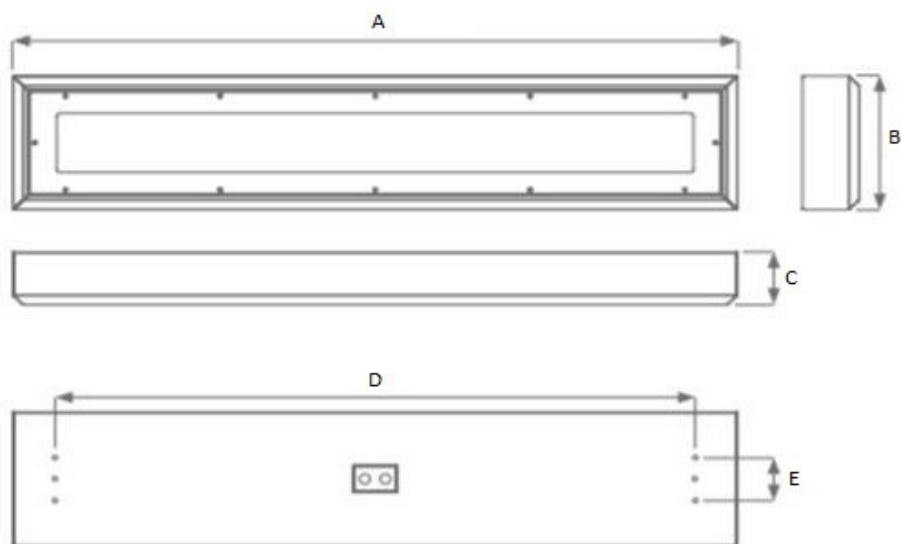
Sensor Options



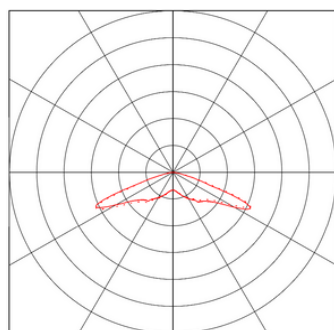
Emergency

Dimensions

| Nominal Size | A | B | C | D | E |
|--------------|------|-----|----|------|-----|
| ES3T4 | 1085 | 190 | 75 | 595 | 100 |
| ES4T4 | 1360 | 190 | 75 | 1240 | 100 |

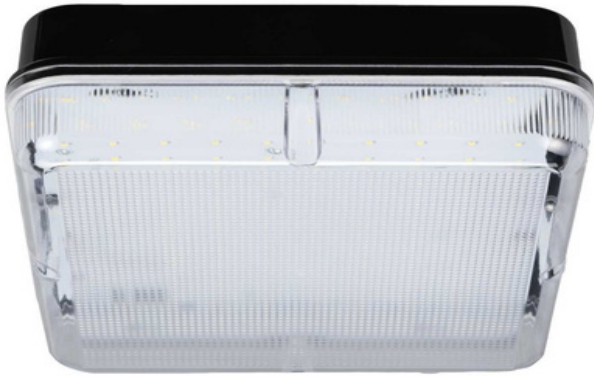


Photometric Data



Extra Wide - Car Park Lens

Trojan



LED Technology



Energy Efficient



IP65 Protection



Emergency

EcoSTAR Trojan surface mounted luminaire suitable for a wide range of industrial and commercial applications

- Tough and flexible utility luminaire with IP65 protection
- Supplied with a prismatic diffuser
- Ideal for use in stairwells, walkways and car parks
- Suitable for wall or ceiling mounting
- Base available in black or white

Order Guide

| Product Code | Diffuser | Power (w) | Overall (mm) | Depth (mm) |
|----------------|-----------|-----------|--------------|------------|
| ES1200TRJ/S/BL | Prismatic | 9.5 | 275 x 275 | 100 |
| ES1700TRJ/S/BL | Prismatic | 14.0 | 275 x 275 | 100 |
| ES2000TRJ/S/BL | Prismatic | 17.0 | 275 x 275 | 100 |

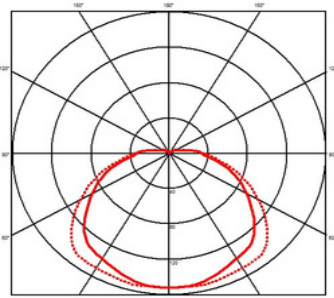
Accessories

| Product Code | Description |
|--------------|-----------------------------------|
| .../M3 | 3 hr maintained emergency |
| .../AD | Intelligent addressable luminaire |
| .../DD | DALI dimmable control gear |
| .../MW | Microwave sensor |

LED Performance

| Product Code | Projected Life | CCT (K) | Power (w) | Luminaire Lumens | l/cw |
|----------------|----------------|---------|-----------|------------------|-------|
| ES1200TRJ/S/BL | 50,000 hours | 4000 | 9.5 | 1240 | 130.5 |
| ES1700TRJ/S/BL | 50,000 hours | 4000 | 14.0 | 1730 | 123.5 |
| ES2000TRJ/S/BL | 50,000 hours | 4000 | 17.0 | 2070 | 121.7 |

Photometric Data



Ecotronic
www.ecotroniclighting.co.uk
 Tel: 0845 170 4567

Aqua 2



- Fresnel lens diffuser designed for improved performance and excellent light distribution
- IP65 Flame retardant polycarbonate body in white and screw-fixing diffuser
- Hinged steel gear tray, centre rear BESA entry and 20mm conduit knockouts at each end for ease of installation
- Can be fitted with a self-adhesive legend kit to create an exit sign
- High quality energy saving LED for extended life expectancy
- Ideal for use in corridors, exits and escape routes
- Manufactured in accordance with BS EN 60598-2-22



LED Technology



Energy Efficient



IP65 Protection



Emergency

Order Guide

| Product Code Description | Lumens | Weight |
|---|--------|--------|
| AQ2/LE/M3LED maintained | 120 | 1.5kg |
| AQ2/LE/M3/HOLED maintained, high output | 200 | 1.5kg |
| Central Battery Slave Luminaires | | |
| AQ2/LE/50CB50v DC | 135 | 1.2kg |
| AQ2/LE/110CB110v DC | 150 | 1.2kg |
| AQ2/LE/220CB220v DC | 150 | 1.2kg |
| .../SRWSemi recess kit, white trim | | |
| .../LKSelf adhesive legend | | |

Luminaire Dimension

Length 350mm
Width 108mm
Depth 80mm

Cut-Out Dimension

Length 330mm x Width 90mm
(when used with /SRW semi-recess kit)

Viewing Distance

18 Metres
(when used with LK Self adhesive legend)

Juno



LED Technology



Energy Efficient



IP20 Protection



IP65 Protection



Emergency

Emergency exit luminaire suitable for a variety of commercial applications

- Provides full compliance to current standards, including BS 60598-2-22 and ISO 7010.
- Supplied complete with specified legend panel in flame retardant polycarbonate
- Opal threshold illuminates the area below the sign
- Legend panel can be removed from either end via removable end-caps
- Ideal for use in corridors, final exits and escape routes in industrial, commercial and retail applications

Order Guide

| Product Code | Description | Lumens | Length (mm) | Width (mm) | depth (mm) | Weight |
|--------------|----------------|--------|-------------|------------|------------|--------|
| JN/LE/M3 | LED maintained | 125 | 392 | 196 | 41 | 1.08kg |

Accessories

| Code | Description | Viewing Distance |
|--------|-------------|------------------|
| .../ST | Self-test | 34 metres |

Ares



- Large exit luminaire with 80m viewing distance
- Sheet steel construction, white finish
- “U” channel geartray ensures even illumination in both single and double sided versions
- Double panel illuminates directly below the sign to the escape route and door threshold
- Supplied complete with specified legend panel in flame retardant polycarbonate
- Sealed IP65 option available for external applications (LED only)
- Supplied with BSi approved emergency control gear
- Ideal for use in warehouses, car parks, and large retail outlets

Order Guide

| Product Code | Description | Lumens | Weight |
|--------------|----------------------|--------|--------|
| AR/LE/M3 | LED maintained | 490 | 9.3kg |
| AR/LE/M3/S65 | LED maintained, IP65 | 490 | 9.8kg |

Accessories

| Code | Description |
|--------|-----------------------------------|
| .../AD | Intelligent addressable luminaire |
| .../HF | High frequency gear |
| .../ST | Digital self-test |

Luminaire Dimensions

LED
 Length 625mm
 Width 520mm
 Depth 100mm

Viewing Distance

LED: 66 Metres



LED Technology



Energy Efficient



IP20 Protection



IP65 Protection



Emergency

ScoutXP



- Mounting height up to 15mtrs
- Wide and Racking aulse lens options
- LED self-test versions available
- LED DALI version available
- LED IRIS wireless version available



LED Technology



Energy Efficient



IP65 Protection



Emergency

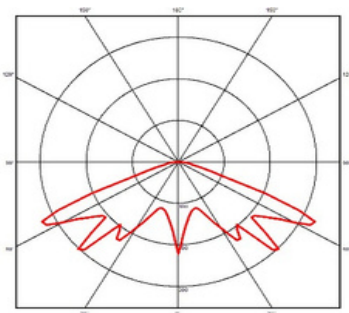
Order Guide

| Product Code | Description | Lumens |
|--------------|--------------------------------------|--------|
| SXP3WB/NM3 | 6w LED, non-maintained, wide optic | 670 |
| SXP3NB/NM3 | 6w LED, non-maintained, narrow optic | 700 |

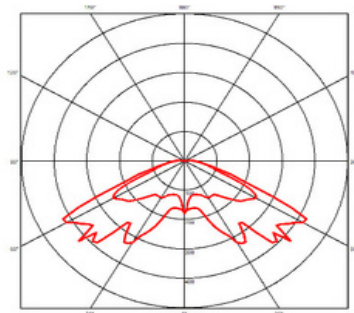
Accessories

| Code | Description |
|----------|-----------------------------|
| .../DD | Intelligent addressable |
| .../ST | luminaire Digital self-test |
| .../IRIS | IRIS wireless enabled |

Photometric Data



Wide



Narrow

Ecotronic
www.ecotroniclighting.co.uk
 Tel: 0845 170 4567

Zeus65



- Swivel/tilt heads enable the client to tailor light distribution to highlight specific areas
 - Low Voltage disconnect circuit prevents batteries entering deep discharge state in the event of prolonged power failure
 - Ideal for use in shopping centres, factories, warehouses and production areas •
- IP65 rated polycarbonate housing

Order Guide

| Product Code | Description | Lumens | Weight |
|--------------|-------------------------|---------|---------|
| ZS65/15NM3 | 15w LED, non-maintained | 2 x 360 | 1.95 kg |

| | |
|--------|-------------------|
| .../ST | Digital self-test |
|--------|-------------------|

Dimensions

| Product Code | Height | Width | Depth |
|--------------|--------|-------|-------|
| ZS65/15NM3 | 285mm | 280mm | 75mm |



LED Technology



Energy Efficient



IP65 Protection



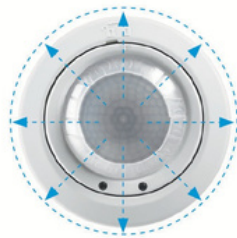
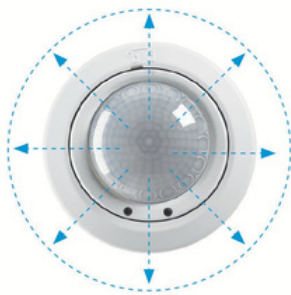
Emergency

Control Options

Integral occupancy and daylight dimming control from CP Electronics and Honeywell Ex-Or, the UK's two leading suppliers.

Unparalleled Performance

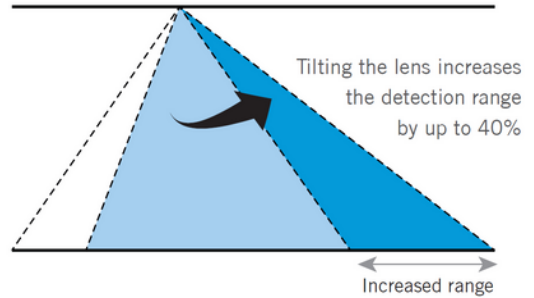
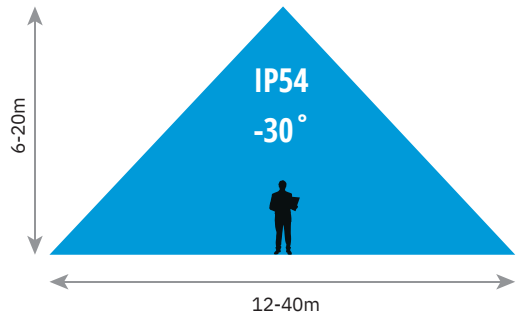
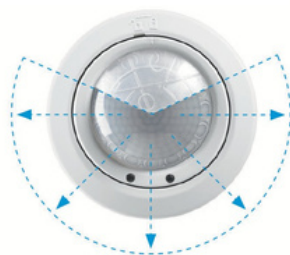
Adjustable masking shields to tailor detection area.



Detection Zone.



corridor.



Uncomplicated and Straight Forward Programming



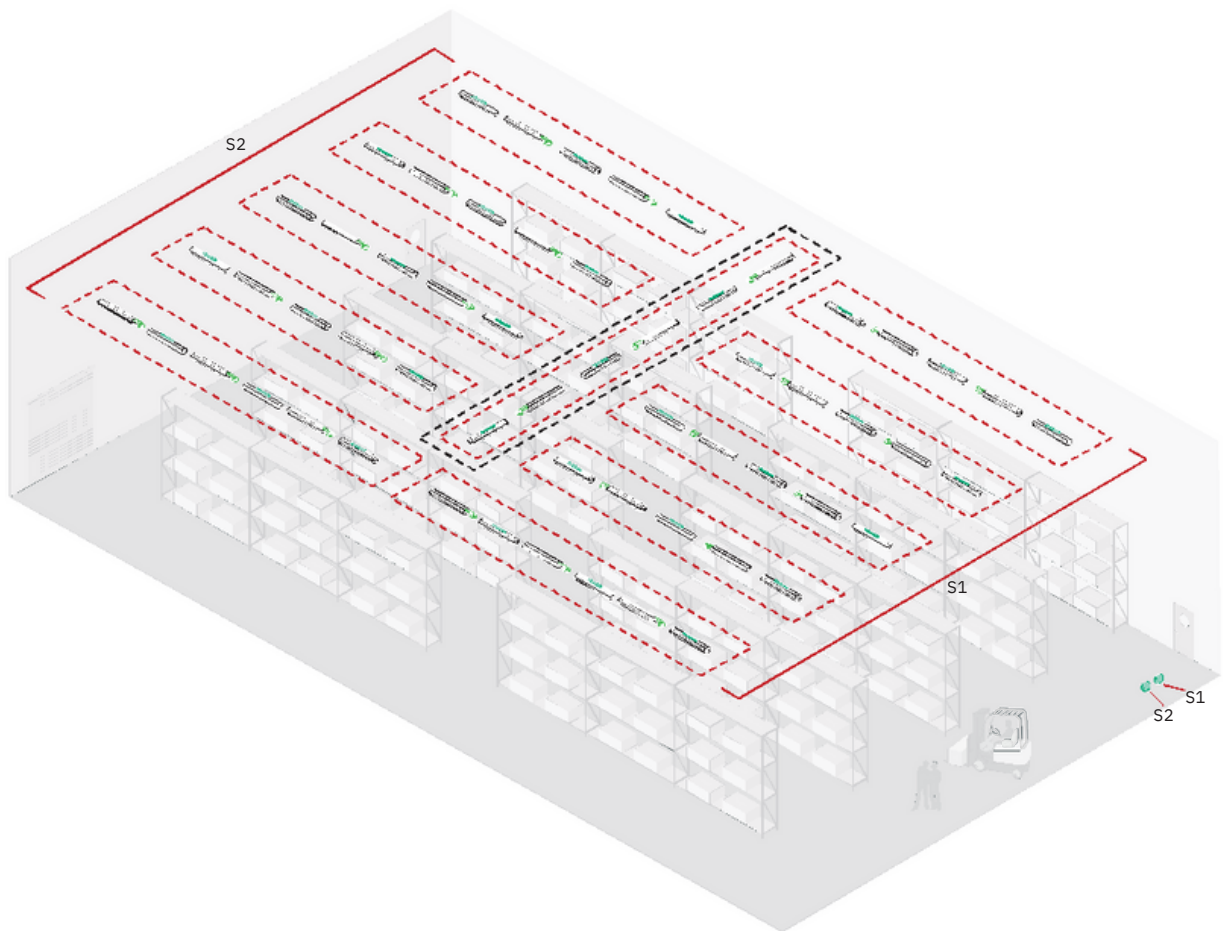
an existing sensor.



And upload to other sensors.

An-10 Wireless Technology From CP Electronics

An-10 wireless technology allows you to install a fully featured lighting control system easily and with minimal disruption. An-10 has been specifically created to allow you to embrace the advantages of wireless technology, while at the same time offering all of the features and functionality demanded by modern day lighting control systems.



Warehouse Example

In this warehouse layout, triggering a detector in any aisle, shown by the red dotted lines, sends an RF signal to all associated devices. Movement in any of these racking aisles is used to keep the main central aisle illuminated allowing passage of people and vehicles into adjacent areas.

The wireless switch inputs are utilised to manually turn on the S1 and S2 areas to a pre-determined light level for maintenance and stock taking purposes. Daylight linking in rows is also available.



IRIS IS A NEW GENERATION OF LIGHTING CONTROL TECHNOLOGY THAT COMBINES ENERGY SAVING AND EMERGENCY MONITORING

Wireless lighting control system that enables users to monitor, log and evaluate their energy performance data.

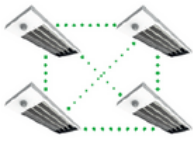
Energy performance data from both standard and emergency luminaires can be displayed on a single device such as a computer, laptop, tablet or smart phone.

Ability to schedule and program lighting operations, also monitor the functioning of the system.

Aides in reducing energy bills and saving of installation costs.

Open protocol technology for full system integration.

WHAT ARE THE BENEFITS AND FEATURES?



SYSTEM FLEXIBILITY - GROUPING OF LUMINAIRES

IRIS used a wireless mesh so each fitting in an installation is in contact with all others. Groups are then easily created and changed, offering total flexibility.



REDUCED INSTALLATION COSTS

All IRIS enabled luminaires communicate wirelessly, so no data cabling is required between luminaires.



WIRELESS RELIABILITY OPERATES ON 868MHz

An operating frequency of 868mhz provides the ability to deal with high levels of data traffic with excellent reliability.



SIMPLE AND FAST COMMISSIONING

All commissioning is carried out at ground level with a user friendly hand held device.



OPEN PROTOCOL

Open protocol allows integration into existing building management systems.



MADE IN THE UK

Designed and manufactured in the UK for complete peace of mind.

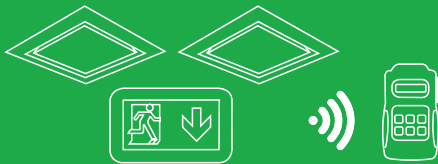
LEVEL 2



POWERFUL INFORMATION COLLECTION

The IRIS hub collects information from all IRIS enabled luminaires and allows the user to view and download as required from anywhere in the world.

LEVEL 1



Luminaires operate on a stand-alone basis

IRIS enabled luminaires link wirelessly to allow for scene setting and presence detection

Luminaires can be monitored with the use of a handheld device

Emergency luminaires can be programmed to self-test at your required intervals

IRIS PROVIDES TWO LEVELS OF LIGHTING CONTROL MANAGEMENT

LEVEL 2



Level 1 System can be upgraded to a Level 2 System with luminaires linked to a wireless hub

Energy performance data and complete operation of standard and emergency lighting installations can then be linked to the world wide web through our wireless hub

Performance data can be viewed remotely using tablets, smart phones, laptops and computers

LEVEL 1

HOW DOES IT WORK?

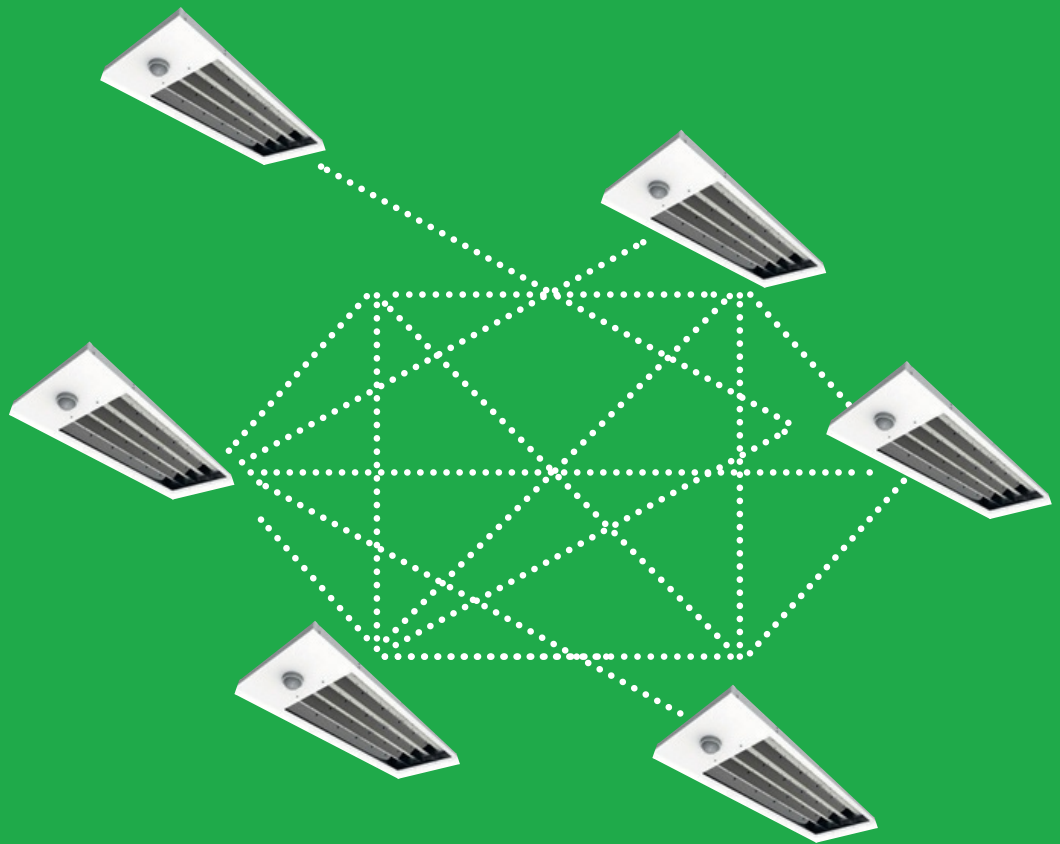
Each IRIS enabled luminaire communicates with its nearest neighbours thereby creating a robust mesh network across the entire installation.

Indoor lighting with IRIS built-in can benefit from energy savings in excess of 70% against conventional lighting systems.

With IRIS built-in at the point of manufacture this enables the luminaires to communicate with other Iris enabled fittings via its own wireless network.

All IRIS enabled luminaires can be accessed via the tablet to retrieve the operational status of the fitting.

Level 1 emergency fittings with IRIS built-in can be custom programmed to self-test the status of the luminaire.



LEVEL 2

HOW DOES IT WORK?

IRIS enabled luminaires in a network communicate with the Iris hub.

The system then monitors the energy performance and health status of the fittings looking for any anomalies.

The user can log into the system remotely and access the information gathered and also receive alerts if any of the components are due to fail.

WEBSITE AND REPORT MONITORING

Delivers indepth reports on the energy performance.

Provides the health status of the emergency lighting system.

Provides the health status of the general lighting system.

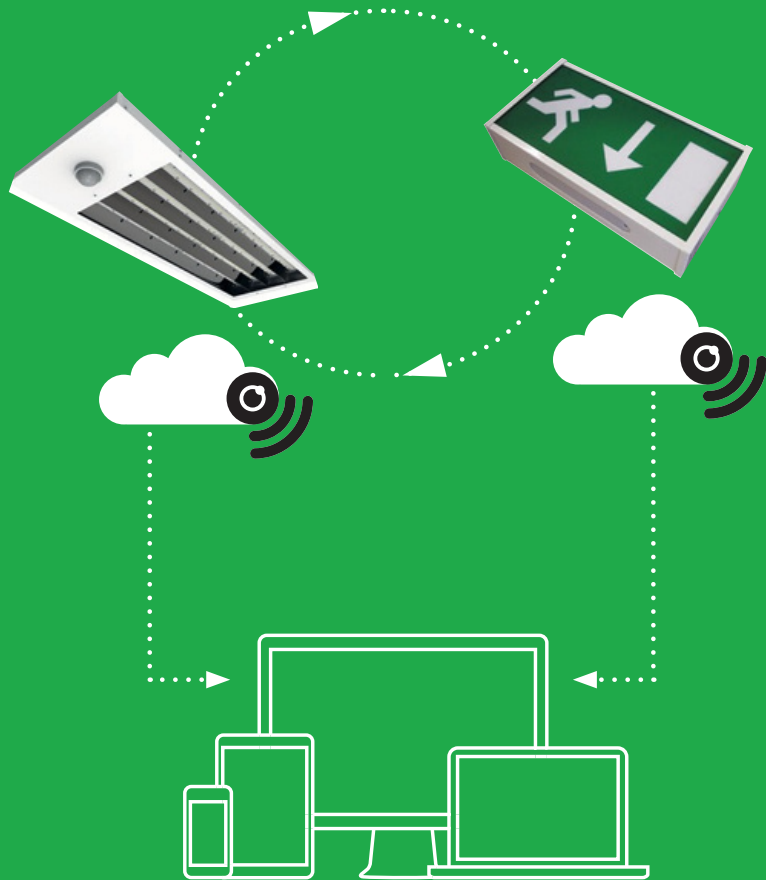
Allows you to schedule automated testing of emergency lighting.

Allows you to custom tune the switching times of external lighting.

The Iris system is web based allowing remote access via a web browser.

All data including energy performance, emergency light test reporting, as fitted' site plan layout, commissioning certificates and all other relevant documentation is stored remotely on the web server and can be accessed by person issued with a username and password.

Fault / error reporting by email to designated personnel.



FULL LUMINAIRE STATUS MONITORING

General luminaires

Mains control gear functionality.

Light source functionality.

Thermal performance (checks the luminaire is operating within correct temperature limits).

Average energy used by the luminaire.

Total hours powered and operating.

Emergency luminaires

Lamp status in emergency operation.

Number of hours that a lamp has operated on battery.

Integral battery is connected and charging.

Result of the last monthly function test and the date of the next scheduled test.

Result of the last annual duration test and the date of the next scheduled test.

Emergency lighting testing schedules are configured via the website.

All test results can be exported and printed for hard copy storage as required.

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