

linea xs eco




pureWhite | pureColor






TECHNICAL DATASHEET

linea xs eco

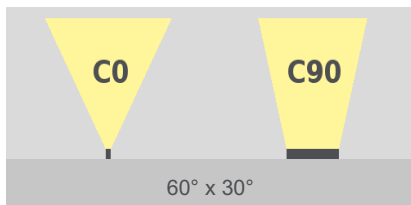
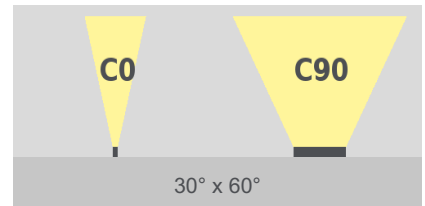
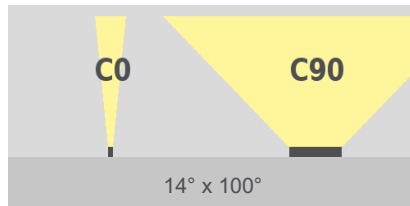
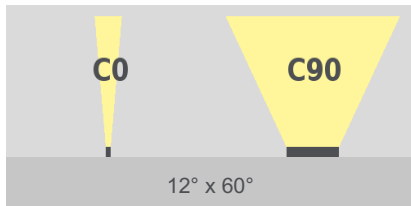
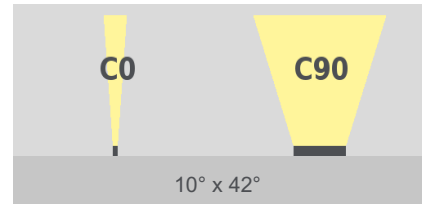
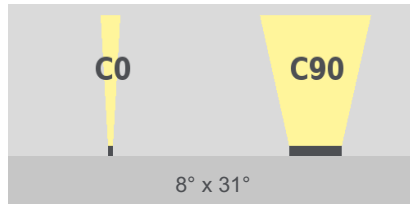
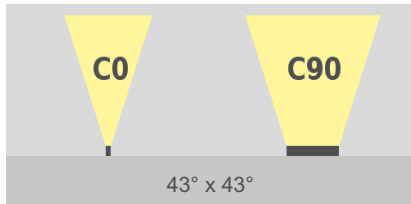
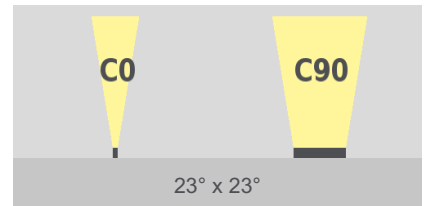
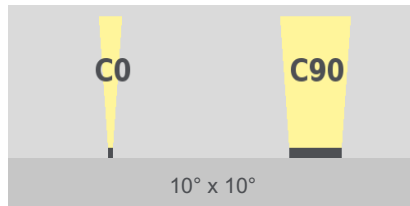
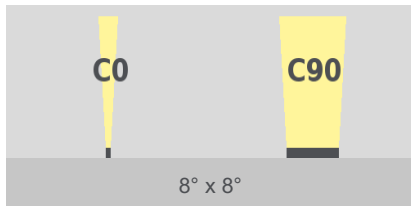
pureWhite | pureColor

Technical Data


| | | | |
|------------------------------|--|---|--|
| Dimensions | 46 mm x 57 mm [W x H] 1.80 in x 2.25 in [W x H] | | |
| Standard Unit Lengths | 324 mm, 477 mm, 629 mm, 782 mm, 934 mm, 1087 mm, 1239 mm 12.76 in, 18.78 in, 24.77 in, 30.79 in, 36.78 in, 42.80 in, 48.78 in | | |
| Fixture Typ |  |  | |
| | pureWhite | pureColor | |
| Color Temperatures pureWhite | 2200 K, 2700 K, 3000 K, 3500 K, 4000 K * Project-specific color temperature for pureWhite available. | | |
| LED-Colors pureColor | Red, Green, Blue, Amber * Project-specific colors for pureColor available. | | |
| Beam Angles | 8°, 10°, 23°, 43°, 8° x 31° 10° x 42°, 12° x 60°, 14° x 100°, 30° x 60°, 60° x 30° | | |
| Luminous Flux | 324 mm (12.76 in): | 477 mm (18.78 in): | 300 lm 450 lm 600 lm 750 lm 900 lm 1050 lm 1200 lm |
| Light Source | 324 mm (12.76 in): | 477 mm (18.78 in): | 8 LEDs 12 LEDs 16 LEDs 20 LEDs 24 LEDs 28 LEDs 32 LEDs |
| Color Rendering Index | R _a >= 80 | | |
| Antiglare | optional: <ul style="list-style-type: none"> ▪ Hex louver (internal) ▪ Linear louver (internal) | | |
| LED-Binning |  | | |
| MacAdam Ellipses Binning | 3 | | |
| Dimming | Non-dimmable Dimmable (DALI , 0 - 10 V , DMX , EXT) | | |

| | | | |
|-------------------------|---|---|--|
| Input Voltage | Power supply: external 36 VDC | | |
| Power Consumption | 324 mm (12.76 in): | Max. 5 W | |
| | 477 mm (18.78 in): | Max. 7.5 W | |
| | 629 mm (24.77 in): | Max. 10 W | |
| | 782 mm (30.79 in): | Max. 12.5 W | |
| | 934 mm (36.78 in): | Max. 15 W | |
| | 1087 mm (42.8 in): | Max. 17.5 W | |
| | 1239 mm (48.78 in): | Max. 20 W | |
| Protection Class | II | | |
| Storage Temperatur | -40 °C / +80 °C -40 °F / +176 °F | | |
| Operating Temperature | -40 °C / +40 °C -40 °F / +104 °F | | |
| Start-up Temperature | -25 °C / +40 °C -13 °F / +104 °F | | |
| Lumen Maintenance [L70] | 65'000 h @ 25 °C (77 °F) 40'000 h @ 40 °C (104 °F) | | |
| Housing | Aluminum extruded profile | | |
| Housing Color(s) |  |  | |
| | Aluminium anodized (Standard) | Black anodized | |
| Lens | Tempered safety glass, extra white | | |
| Weight | 324 mm (12.76 in): | 1,5 kg (3.31 lbs) | |
| | 629 mm (24.77 in): | 2,1 kg (4.63 lbs) | |
| | 934 mm (36.78 in): | 3,2 kg (7.05 lbs) | |
| | 1239 mm (48.78 in): | 4,4 kg (9.70 lbs) | |
| Ingress Protection | IP66 | | |
| Environment |  |  | |
| | indoor | outdoor | |
| Impact Protection | IK08 | | |
| Certification |  | | |

Beam Angles



Engineering Drawing

| | | |
|---|--------------|---------------|
|  <p>Lindberghstrasse 15, 86343 Königshorn Tel: +49 8231 85767 0 info@biontechnologies.com www.biontechnologies.com</p> | Description: | linea xs |
| | Date/Rev.: | 16.06.2019/01 |
| <small>Dimensions are in millimeters (mm) All product specifications are subject to change without prior notice.</small> | | |
| <small>NOTE: All copyrights, trademarks, patents and other rights in connection herewith are expressly reserved to the company BION TECHNOLOGIES GMBH and no license is created hereby.</small> | | |

| | | |
|----------------|-----------------|-------------|
| Project | Fixture# | Date |
| | | Firm |



Ordering Information

Choose the option that suits your needs and write its corresponding code on the appropriate line to form the product code.

LIN-XS-ECO- _____ - _____ - _____ - _____ - _____ - _____ - _____ - _____ - Y01

| TYP - LUMINOUS COLOR | DIMMING | FIXTURE LENGTH | BEAM ANGLE | HOUSING COLOR | GLARE PROTECTION | WIRING CONFIGURATION | LEADERCABLE LENGTH | MOUNTING OPTION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|-------------------------------|----------------|------------|--------------------|------------------|----------------------|--------------------|--------------------|------|--------------------|------|--------------------|------|-----------------|------|-------------------|------|------------------|------|-------------------|---|---------|--|------|--------------|------|-----------------|-------|------------------|-----|----------------|-----|----------------|---|----------------|--|-----|-------------------|-----|-------------------|-----|-------------------|-----|-------------------|-----|-------------------|------|-------------------|------|--------------------|--|------------|--|-----|---------|-------|-----------|-------|-----------|-------|-----------|------|----------|-------|-----------|-------|-----------|--------|------------|-------|-----------|-------|-----------|--|---------------|--|----|-------------------------------|----|----------------|---|------------------|--|----|---------------------|----|-----------------------|-----|--------------------------|--|----------------------|--|------|-----------------------|------|------------------------|------|--------------------------|------|-----------------------|------|------------------------|--|--------------------|--|-----|---------------------|-----|--------------------|-----|--------------------|-----|--------------------|-----|--------------------|--|-----------------|--|----|-----------------|----|----------------------------|
| <table border="1"> <thead> <tr> <th colspan="2">TYP - LUMINOUS COLOR</th> </tr> </thead> <tbody> <tr><td>PW22</td><td>pureWhite - 2200 K</td></tr> <tr><td>PW27</td><td>pureWhite - 2700 K</td></tr> <tr><td>PW30</td><td>pureWhite - 3000 K</td></tr> <tr><td>PW35</td><td>pureWhite - 3500 K</td></tr> <tr><td>PW40</td><td>pureWhite - 4000 K</td></tr> <tr><td>PCRE</td><td>pureColor - Red</td></tr> <tr><td>PCGR</td><td>pureColor - Green</td></tr> <tr><td>PCBL</td><td>pureColor - Blue</td></tr> <tr><td>PCAM</td><td>pureColor - Amber</td></tr> </tbody> </table> | TYP - LUMINOUS COLOR | | PW22 | pureWhite - 2200 K | PW27 | pureWhite - 2700 K | PW30 | pureWhite - 3000 K | PW35 | pureWhite - 3500 K | PW40 | pureWhite - 4000 K | PCRE | pureColor - Red | PCGR | pureColor - Green | PCBL | pureColor - Blue | PCAM | pureColor - Amber | <table border="1"> <thead> <tr> <th colspan="2">DIMMING</th> </tr> </thead> <tbody> <tr><td>NDIM</td><td>Non-dimmable</td></tr> <tr><td>DALI</td><td>Dimmable - DALI</td></tr> <tr><td>0-10V</td><td>Dimmable - 0-10V</td></tr> <tr><td>DMX</td><td>Dimmable - DMX</td></tr> <tr><td>EXT</td><td>Dimmable - EXT</td></tr> </tbody> </table> | DIMMING | | NDIM | Non-dimmable | DALI | Dimmable - DALI | 0-10V | Dimmable - 0-10V | DMX | Dimmable - DMX | EXT | Dimmable - EXT | <table border="1"> <thead> <tr> <th colspan="2">FIXTURE LENGTH</th> </tr> </thead> <tbody> <tr><td>324</td><td>324 mm / 12.76 in</td></tr> <tr><td>477</td><td>477 mm / 18.78 in</td></tr> <tr><td>629</td><td>629 mm / 24.76 in</td></tr> <tr><td>782</td><td>782 mm / 30.79 in</td></tr> <tr><td>934</td><td>934 mm / 36.77 in</td></tr> <tr><td>1087</td><td>1087 mm / 42.8 in</td></tr> <tr><td>1239</td><td>1239 mm / 48.78 in</td></tr> </tbody> </table> | FIXTURE LENGTH | | 324 | 324 mm / 12.76 in | 477 | 477 mm / 18.78 in | 629 | 629 mm / 24.76 in | 782 | 782 mm / 30.79 in | 934 | 934 mm / 36.77 in | 1087 | 1087 mm / 42.8 in | 1239 | 1239 mm / 48.78 in | <table border="1"> <thead> <tr> <th colspan="2">BEAM ANGLE</th> </tr> </thead> <tbody> <tr><td>8X8</td><td>8° x 8°</td></tr> <tr><td>10X10</td><td>10° x 10°</td></tr> <tr><td>23X23</td><td>23° x 23°</td></tr> <tr><td>43X43</td><td>43° x 43°</td></tr> <tr><td>8X31</td><td>8° x 31°</td></tr> <tr><td>10X42</td><td>10° x 42°</td></tr> <tr><td>12X60</td><td>12° x 60°</td></tr> <tr><td>14X100</td><td>14° x 100°</td></tr> <tr><td>30X60</td><td>30° x 60°</td></tr> <tr><td>60X30</td><td>60° x 30°</td></tr> </tbody> </table> | BEAM ANGLE | | 8X8 | 8° x 8° | 10X10 | 10° x 10° | 23X23 | 23° x 23° | 43X43 | 43° x 43° | 8X31 | 8° x 31° | 10X42 | 10° x 42° | 12X60 | 12° x 60° | 14X100 | 14° x 100° | 30X60 | 30° x 60° | 60X30 | 60° x 30° | <table border="1"> <thead> <tr> <th colspan="2">HOUSING COLOR</th> </tr> </thead> <tbody> <tr><td>AA</td><td>Aluminium anodized (Standard)</td></tr> <tr><td>BA</td><td>Black anodized</td></tr> </tbody> </table> | HOUSING COLOR | | AA | Aluminium anodized (Standard) | BA | Black anodized | <table border="1"> <thead> <tr> <th colspan="2">GLARE PROTECTION</th> </tr> </thead> <tbody> <tr><td>OP</td><td>No glare protection</td></tr> <tr><td>HL</td><td>Hex louver (internal)</td></tr> <tr><td>LL0</td><td>Linear louver (internal)</td></tr> </tbody> </table> | GLARE PROTECTION | | OP | No glare protection | HL | Hex louver (internal) | LL0 | Linear louver (internal) | <table border="1"> <thead> <tr> <th colspan="2">WIRING CONFIGURATION</th> </tr> </thead> <tbody> <tr><td>IOCC</td><td>IN/OUT with Connector</td></tr> <tr><td>IXCX</td><td>only IN with Connector</td></tr> <tr><td>IOOC</td><td>IN open end / OUT socket</td></tr> <tr><td>IOOO</td><td>IN/OUT with open ends</td></tr> <tr><td>IXOX</td><td>only IN with open ends</td></tr> </tbody> </table> | WIRING CONFIGURATION | | IOCC | IN/OUT with Connector | IXCX | only IN with Connector | IOOC | IN open end / OUT socket | IOOO | IN/OUT with open ends | IXOX | only IN with open ends | <table border="1"> <thead> <tr> <th colspan="2">LEADERCABLE LENGTH</th> </tr> </thead> <tbody> <tr><td>ETE</td><td>End to end - wiring</td></tr> <tr><td>003</td><td>+ 30 cm (ca. 1 ft)</td></tr> <tr><td>006</td><td>+ 60 cm (ca. 2 ft)</td></tr> <tr><td>009</td><td>+ 90 cm (ca. 3 ft)</td></tr> <tr><td>012</td><td>+ 1,2 m (ca. 4 ft)</td></tr> </tbody> </table> | LEADERCABLE LENGTH | | ETE | End to end - wiring | 003 | + 30 cm (ca. 1 ft) | 006 | + 60 cm (ca. 2 ft) | 009 | + 90 cm (ca. 3 ft) | 012 | + 1,2 m (ca. 4 ft) | <table border="1"> <thead> <tr> <th colspan="2">MOUNTING OPTION</th> </tr> </thead> <tbody> <tr><td>ND</td><td>without bracket</td></tr> <tr><td>BS</td><td>Universal mounting bracket</td></tr> </tbody> </table> | MOUNTING OPTION | | ND | without bracket | BS | Universal mounting bracket |
| TYP - LUMINOUS COLOR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PW22 | pureWhite - 2200 K | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PW27 | pureWhite - 2700 K | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PW30 | pureWhite - 3000 K | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PW35 | pureWhite - 3500 K | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PW40 | pureWhite - 4000 K | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PCRE | pureColor - Red | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PCGR | pureColor - Green | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PCBL | pureColor - Blue | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PCAM | pureColor - Amber | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DIMMING | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NDIM | Non-dimmable | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DALI | Dimmable - DALI | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0-10V | Dimmable - 0-10V | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DMX | Dimmable - DMX | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| EXT | Dimmable - EXT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FIXTURE LENGTH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 324 | 324 mm / 12.76 in | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 477 | 477 mm / 18.78 in | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 629 | 629 mm / 24.76 in | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 782 | 782 mm / 30.79 in | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 934 | 934 mm / 36.77 in | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1087 | 1087 mm / 42.8 in | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1239 | 1239 mm / 48.78 in | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BEAM ANGLE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8X8 | 8° x 8° | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10X10 | 10° x 10° | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 23X23 | 23° x 23° | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 43X43 | 43° x 43° | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8X31 | 8° x 31° | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10X42 | 10° x 42° | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12X60 | 12° x 60° | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14X100 | 14° x 100° | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30X60 | 30° x 60° | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 60X30 | 60° x 30° | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HOUSING COLOR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AA | Aluminium anodized (Standard) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BA | Black anodized | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GLARE PROTECTION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| OP | No glare protection | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HL | Hex louver (internal) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LL0 | Linear louver (internal) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WIRING CONFIGURATION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IOCC | IN/OUT with Connector | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IXCX | only IN with Connector | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IOOC | IN open end / OUT socket | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IOOO | IN/OUT with open ends | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IXOX | only IN with open ends | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LEADERCABLE LENGTH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ETE | End to end - wiring | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 003 | + 30 cm (ca. 1 ft) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 006 | + 60 cm (ca. 2 ft) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 009 | + 90 cm (ca. 3 ft) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 012 | + 1,2 m (ca. 4 ft) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MOUNTING OPTION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ND | without bracket | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BS | Universal mounting bracket | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

* Project-specific options are available - Please contact our Sales Representative for further information.



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