



# FlexElite RGB

## FlexElite iColor, RGB, 5 Nodes, Black Node/ Cable, 500 mm (1.6 ft) On-Center Node Spacing

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FlexElite is the brightest and most flexible member of our popular Flex family. It includes a from-the-ground-up redesign of all major elements, from its form factor to internal electronics to mechanical design. We created FlexElite to meet the challenges posed by large, unconventional buildings and structures. At its core, you'll find an innovative modular design that lets you create the exact number and configuration of nodes that you need for your design. FlexElite's sections and jumper cables click together quickly and easily, allowing unequalled customization impossible with less-modular solutions. Longer run lengths and node spacing let you take on larger challenges than possible in the past. FlexElite RGB adds a separate amber LED which expands the available range of colors to include warmer tones such as rich gold, yellow and orange shades.

### Product data

| General information         |                           |
|-----------------------------|---------------------------|
| Light source color          | RGBA                      |
| Light source replaceable    | No                        |
| Optic type                  | Beam angle 120°           |
| Optical cover/lens type     | Tempered glass            |
| Luminaire light beam spread | 140°                      |
| CE mark                     | CE mark                   |
| UL mark                     | UL and cUL mark           |
| Optic type outdoor          | Very wide beam angle 120° |

| Light technical              |                            |
|------------------------------|----------------------------|
| Light source flux per node   | 89 lm                      |
| On-axis intensity in candela | 40                         |
| Luminance per node           | 69231                      |
| Operating and electrical     |                            |
| Input Voltage                | 48 V                       |
| Mechanical and housing       |                            |
| Housing Material             | Polybutylene terephthalate |
| Optical cover/lens material  | Tempered glass             |

|        |        |
|--------|--------|
| Length | 100 mm |
| Color  | Black  |

Approval and application

|                              |  |
|------------------------------|--|
| Ingress protection code      | IP66 [ Dust penetration-protected, jet-proof]      |
| Mech. impact protection code | IK06 [ 1 J]  |
| Vibration Standard           | Complies with ANSI C136.31, 3G                     |
| Corrosion Resistance         | Complies with ASTM B117 standard for > 1,500 hours |
| FCC mark                     | FCC Class A  |
| Vibration Rating             | Complies with ANSI C136.31, 3G                     |

Initial performance (IEC compliant)

|                                     |          |
|-------------------------------------|----------|
| Initial luminous flux (system flux) | 89 lm    |
| Initial LED luminaire efficacy      | 7.1 lm/W |
| Initial input power                 | 2.5 W    |

Over time performance (IEC compliant)

|  |        |
|--|--------|
| Lumen Maintenance 50% at 25°C Calculated | 100000 |
| Lumen Maintenance 50% at 25°C Reported   | 42000  |
| Lumen Maintenance 50% at 50°C Calculated | 100000 |
| Lumen Maintenance 50% at 50°C Reported   | 42000  |
| Lumen Maintenance 70% at 25°C Calculated | 100000 |
| Lumen Maintenance 70% at 25°C Reported   | 42000  |
| Lumen Maintenance 70% at 50°C Calculated | 100000 |
| Lumen Maintenance 70% at 50°C Reported   | 42000  |
| Lumen Maintenance 80% at 25°C Calculated | 79355  |

|  |       |
|--|-------|
| Lumen Maintenance 80% at 25°C Reported   | 42000 |
| Lumen Maintenance 80% at 50°C Calculated | 79355 |
| Lumen Maintenance 80% at 50°C Reported   | 42000 |
| Lumen Maintenance 90% at 25°C Calculated | 35029 |
| Lumen Maintenance 90% at 25°C Reported   | 35029 |
| Lumen Maintenance 90% at 50°C Calculated | 35029 |
| Lumen Maintenance 90% at 50°C Reported   | 35029 |

Application conditions

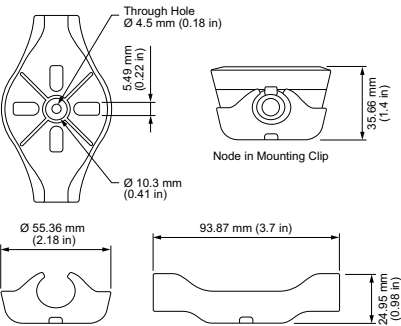
|                           |               |
|---------------------------|---------------|
| Ambient temperature range | -40 to +50 °C |
|---------------------------|---------------|

Product data

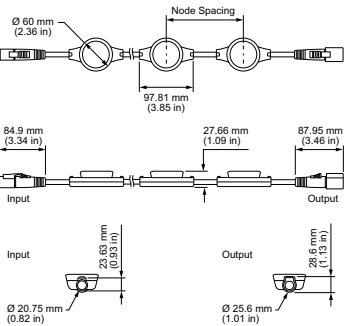
|                                 |   |
|---------------------------------|---|
| Full product code               | 871869937167899   |
| Order product name              | BGC496 RGBA RRGGBBPA 5 BK P500  |
| EAN/UPC - Product               | 8718699371678   |
| Order code                      | 401-000003-14   |
| Numerator - Quantity Per Pack   | 1   |
| Numerator - Packs per outer box | 6   |
| Material Nr. (12NC)             | 912400136391  |
| Net Weight (Piece)              | 0.900 kg  |
| Catalog Number                  | 401-000003-14   |
| Catalog Number Description      | FlexElite iColor, RGBA, 5 Nodes, Black<br>Node/Cable, 500 mm (1.6 ft) On-Center<br>Node Spacing |



Dimensional drawing



BGC496 RGBA RRGGBBPA 5 BK P500



BGC496 RGBA RRGGBBPA 5 BK P500

