

# FlexElite IntelliHue

## FlexElite IntelliHue, 5 Nodes, Black Node/Cable, 305 mm (12 in) On-Center Node Spacing

FlexElite IntelliHue, 5 Nodes, Black Node/Cable, 305 mm (12 in) On-Center Node Spacing

FlexElite is the brightest and most flexible member of our popular Flex family, and it includes a 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 IntelliHue produces millions of saturated colors, pastels, and high-quality white light, in the same precisely controllable luminaire.

### Product data

| General information | |
|---|---|
| **Light source color** | IntelliHue |
| **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** | 132 lm |
| **On-axis intensity in candela** | 52 |
| **Luminance per node** | 111353 |

| Operating and electrical | |
|---|---|
| **Input Voltage** | 48 V |

| Mechanical and housing | |
|---|---|
| **Housing Material** | Polybutylene terephthalate |
| **Optical cover/lens material** | Tempered glass |
| **Color** | Black |

# FlexElite IntelliHue

| 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)** | 132 lm |
| **Initial luminous flux at color temperature of 2700 K** | 137 lm |
| **Initial luminous flux at color temperature of 4000 K** | 149 lm |
| **Initial LED luminaire efficacy** | 52.8 lm/W |
| **Initial input power** | 2.5 W |

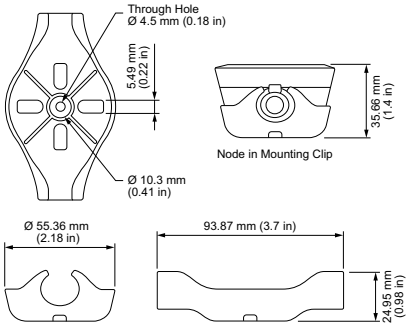
| Over time performance (IEC compliant) | |
|---|---|
| **Lumen Maintenance 50% at 25°C Calculated** | 100000 |
| **Lumen Maintenance 50% at 25°C Reported** | 42000 |
| **Lumen Maintenance 50% at 50°C Calculated** | 100000 |
| **Lumen Maintenance 50% at 50°C Reported** | 42000 |
| **Lumen Maintenance 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** | 100000 |
| **Lumen Maintenance 80% at 25°C Reported** | 42000 |
| **Lumen Maintenance 80% at 50°C Calculated** | 80740 |
| **Lumen Maintenance 80% at 50°C Reported** | 42000 |
| **Lumen Maintenance 90% at 25°C Calculated** | 44802 |
| **Lumen Maintenance 90% at 25°C Reported** | 42000 |
| **Lumen Maintenance 90% at 50°C Calculated** | 35439 |
| **Lumen Maintenance 90% at 50°C Reported** | 35439 |

| Application conditions | |
|---|---|
| **Ambient temperature range** | -40 to +50 °C |

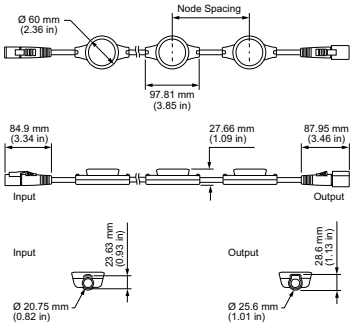
| Product data | |
|---|---|
| **Full product code** | 871869937541699 |
| **Order product name** | BGC496 IHUE ROGGRBPL 5 BK P305 |
| **EAN/UPC - Product** | 8718699375416 |
| **Order code** | 401-000001-13 |
| **Numerator - Quantity Per Pack** | 1 |
| **Numerator - Packs per outer box** | 6 |
| **Material Nr. (12NC)** | 912400136348 |
| **Net Weight (Piece)** | 0.820 kg |
| **Catalog Number** | 401-000001-13 |
| **Catalog Number Description** | FlexElite IntelliHue, 5 Nodes, Black Node/Cable, 305 mm (12 in) On-Center Node Spacing |

IP66 IK06

## Dimensional drawing




BGC496 IHUE ROGGRBPL 5 BK P305




BGC496 IHUE ROGGRBPL 5 BK P305




© 2022 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. All trademarks are owned by Signify Holding or their respective owners.