FlexElite RGBW

FlexElite iColor, RGBW, 10 Nodes, White Node/ Cable, 305 mm (12 in) 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 RGBW adds a separate white LED creating better-quality whites compared to RGB.

Product data

General information	
Light source color	Red, green, blue and white
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	111 lm
On-axis intensity in candela	42
Luminance per node	89939

Operating and electrical	
Input Voltage	48 V

Mechanical and housing	
Housing Material	Polybutylene terephthalate
Optical cover/lens material	Tempered glass
Color	White

FlexElite RGBW

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)	111 lm
Initial luminous flux at color temperature of 2700 K	117 lm
Initial luminous flux at color temperature of 4000 K	115 lm
Initial LED luminaire efficacy	44.4 lm/W
Initial input power	2.5 W

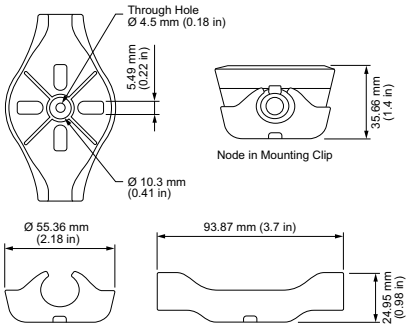
Over time performance (IEC compliant)	
Lumen Maintenance 50% at 25°C Calculated	100000
Lumen Maintenance 50% at 25°C Reported	42000
Lumen Maintenance 50% at 50°C Calculated	100000
Lumen Maintenance 50% at 50°C Reported	42000
Lumen Maintenance 70% at 25°C Calculated	100000
Lumen Maintenance 70% at 25°C 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	871869937571399
Order product name	BGC496 RGBW RRGGBBWI 10 WH P305
EAN/UPC - Product	8718699375713
Order code	401-000002-28
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	6
Material Nr. (12NC)	912400136321
Net Weight (Piece)	1.540 kg
Catalog Number	401-000002-28
Catalog Number Description	FlexElite iColor, RGBW, 10 Nodes, White Node/Cable, 305 mm (12 in) On-Center Node Spacing

IP66 IK06

Dimensional drawing



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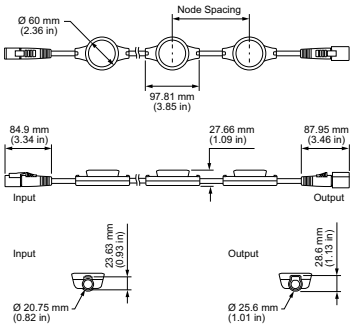

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