



PixieNode

PixieNode is fully addressable individual Nodes, offering full color motion lighting effects to enhance any surface with dynamic color mixing. It can also be used for video animations with direct viewing. PixieNode is 6 tri-color high output LEDs packaged in a 35 x 35 x 10mm polycarbonate housing with a translucent diffusing cover on a flexible ribbon cable with a standard pitch of 3" (variable up to 12"). With a maximum of 32 Nodes per string, it allows for infinite design possibilities enabling unique display lighting, cove lighting, stage sets or retail lighting. The possibilities for enhanced lighting are endless. The Nodes are controlled via a DMX controller which is fed data signal from any DMX external source. PixieNode is light weight, easy to install and IP66 rated - which enables this product to be used outdoors.

- 6 Cree tri-colour high output LED emitters per node
- Red, green and blue colour mixing to create millions of shades
- Every node is individually addressed to allow pattern creation and low resolution imaging
- Output up to 15 lumens per node (at source)
- Lumen maintenance: 50,000 hours L70 at 50°C (full output)
- Beam angle is 180° with dome fitted or 110° with dome removed
- Polycarbonate translucent diffuser lens
- Colour mixing signals sent to each node from a dedicated interface unit which can be linked to any DMX source
- Each interface unit can drive a maximum of 5 strings of 32 nodes (480 DMX channels in total)
- Internal interface unit clock rate: 20Mbits/sec. Refresh rate to nodes: 30 frames per second
- Low voltage dimming signals fed to each node. Interface unit requires 94 - 264VAC 50/60Hz power input
- Low power consumption: 1.44W per node at full intensity
- Nodes constructed from polycarbonate
- Interface unit housed within metal enclosure
- Node dimensions LWH: 35 x 34 x 25mm (1.5 x 1.3 x 1")
- Interface unit dimensions LWH: 275 x 150 x 120mm (10.8 x 5.9 x 4.7")
- Weight of each node: 16.3g (0.57oz)
- Operational temperature range -20°C to +50°C
- Nodes rated to IP65 for outdoor use. Interface unit rated to IP20 for indoor use
- CE, RoHS, UL (pending)