



Photograph by: Joan Marcus

City Theatrical's **RGBI** (red, green, blue, and indigo) **QolorFLEX™ LED Tape** was created for Tony Award winning lighting designer Ken Posner's Broadway show *War Paint*, which features a set (by David Korins) which highly utilizes deep blue and indigo.

City Theatrical's new **RGBI QolorFlex™ LED tape** is designed to give designers deeper blue accents, backgrounds, and shadings in set lighting. The RGBI QolorFlex™ alternates a 5050 RGB chip with a 450nm indigo chip, giving extra powerful, deep blue output. The indigo chip contains three indigo emitters for extra powerful, bright, deep, indigo output. *War Paint* opens on Broadway on April 6, 2017 at the Nederlander Theatre. We spoke with Associate Lighting Designer Paul Toben.

**CTI:** Why did you need a specific "indigo" for *War Paint*?

**Paul:** Our lighting designer, Ken Posner, had the original idea to add indigo to the RGB emitters. He has done many shows with our director Michael Grief, and Ken knew that Michael prefers deeper blues than traditional blue LED emitters can provide. Furthermore, by using indigo emitters, we would have access to deeper purples and pink hues as well.

**CTI:** What did you do for the show?

**Paul:** David Korins, our set designer, designed a background of shelves of frosted, empty cosmetic bottles. The crew at the Goodman Theatre installed QolorFLEX™ LED Tape in the bottom and top of each section of shelf. We spec'd a single piece of RGB-Indigo tape in the top of each shelf, but because we didn't want to lose the warmth of RGB-Amber we actually spec'd one piece of RGB-Indigo and a piece of RGB-Amber tape in the bottom of each shelf. David Arch, our lighting programmer, built a custom RGB-Amber-Indigo profile for the console to keep it all organized.



All told, we ended up with 380 channels of control driving 1710 DMX addresses of LED tape on these Bottle Wall units. At the suggestion of the engineers at City Theatrical, we wired it all to City Theatrical high-density 24 channel dimmers. We also put QolorFLEX™ LED tape (of many different combinations of RGB, Amber, Indigo, and Cool White) in all of the art-deco coves and crevices in David's set, and drove those with D4 dimmers (both wired and wireless). For the Broadway production, we added even more.

**CTI:** How was your experience working with City Theatrical's **QolorFLEX™ LED Tape**?

**Paul:** Our experience working with the QolorFLEX™ product was great. The LED tape had consistent colors, and the dimmers all performed well. But the experience of working with Gary and the team at City Theatrical was the real standout. From the moment that Ken approached Gary with the idea of adding an indigo emitter to the QolorFLEX™ tape, through engineering the control system, and all the way to opening night, City Theatrical was there for us with advice and support.