PIXELMAPPER /ADVANCED TRIGGERING (CRUISLINE)
APPLICATION NOTES

PixelMapper brings the creative world of video to lighting fixtures. Massive output capacity coupled with an easy to use visual interface and live streaming previews makes Hippotizer's PixelMapper a powerful visual tool. Supporting additive (RGB) and subtractive (CMY) colour systems as well as intensity only, PixelMapper can show video across the entire lighting rig from a single map. Thanks to the streaming ACN (sACN) protocol and unicast Art-net 3 integration it is possible to drive hundreds of universes from a single server. Featuring an intuitive drag and drop universe patch system with node auto-discovery, the often difficult job of setting up the Art-net output is easy. Map creation tools such as a fixture based layout and .csv import simplify making and editing pixelmaps.

The customer (A designer / Integrator) was specifying and installing the lighting feature on a new Cruises ship. The challenge was to create an eye-catching circle of colour changing lights in the ceiling of the ship's Atrium. The task was to create a visual centre to the ship that reflected the time of day.
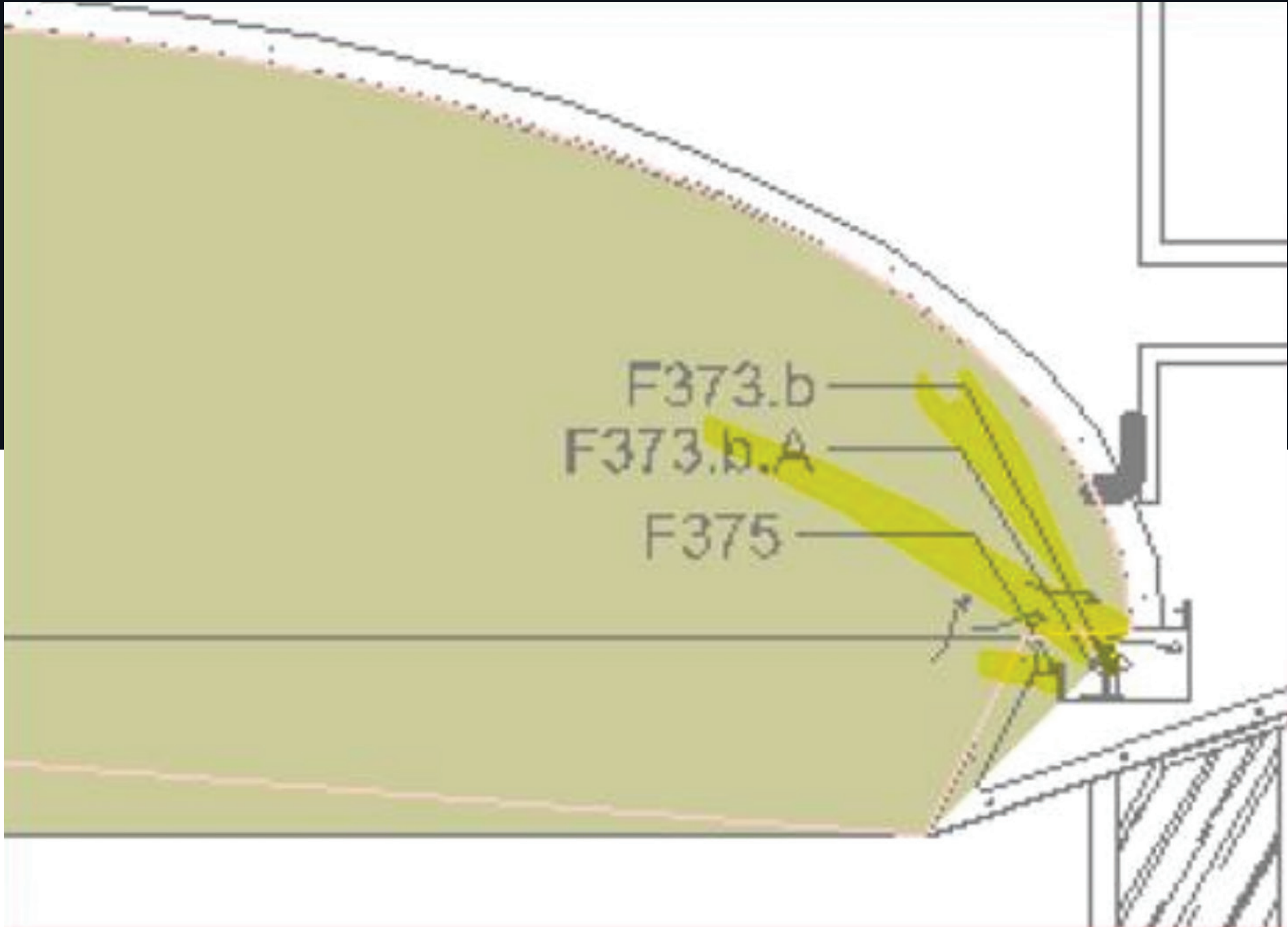
PROJECT BRIEF:

- Drive 192 Radially arrayed LED strips (sACN / DMX driven)

- Drive the colour of the centre disk lit from LED tape around it's perimeter. (Yellow Highlight).

- Interface with the Ship's navigation system to indicate north and local sunset / sunrise.

- Provide pre-visualization to demonstrate working integration with ship's systems and proven content workflow.

Highlighter indicates zones of LED control.
Yellow is the radial LEDs while Red/Green is the centre done.
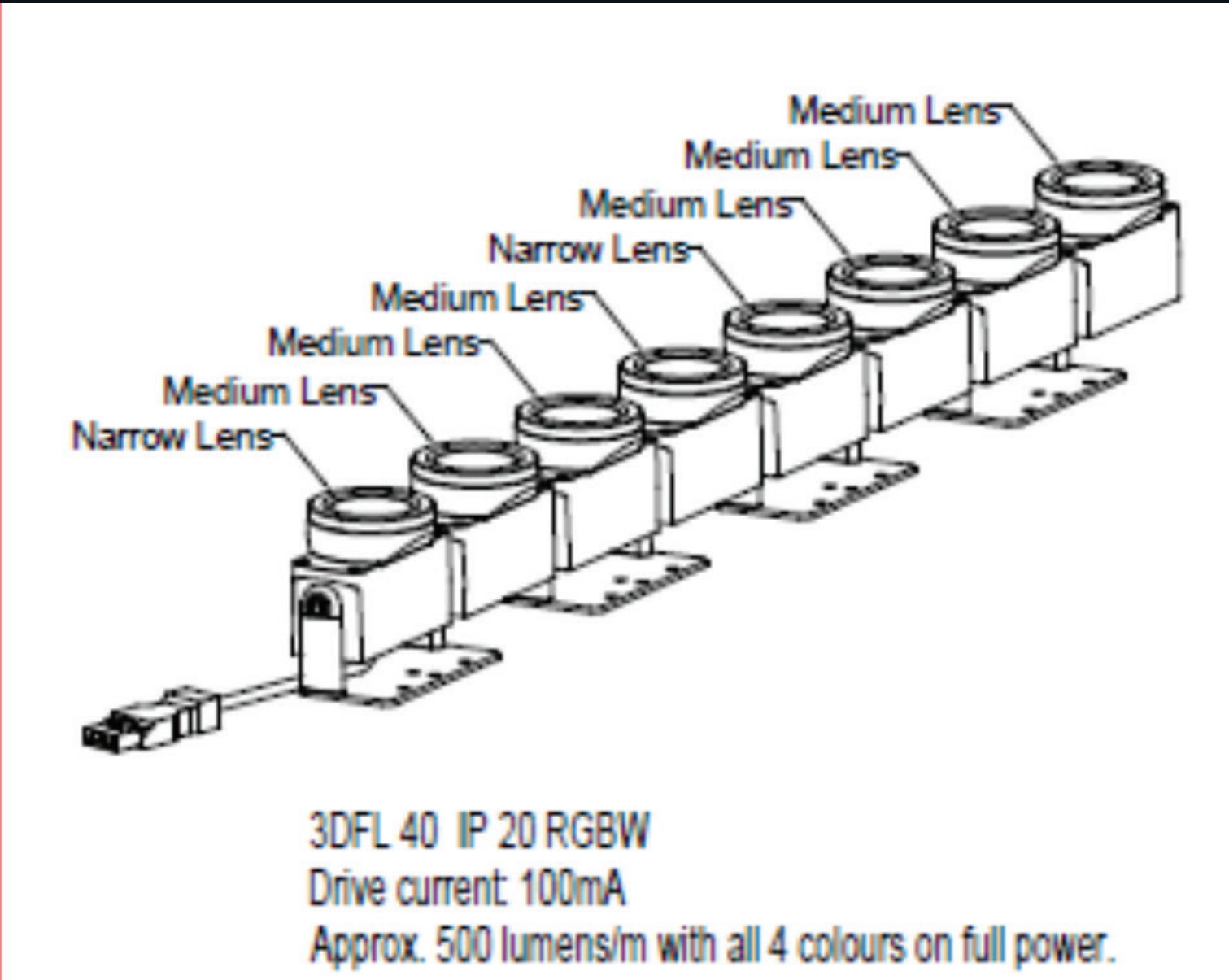

GREEN HiPPO

PIXELMAPPER /ADVANCED TRIGGERING (CRUISLINE)

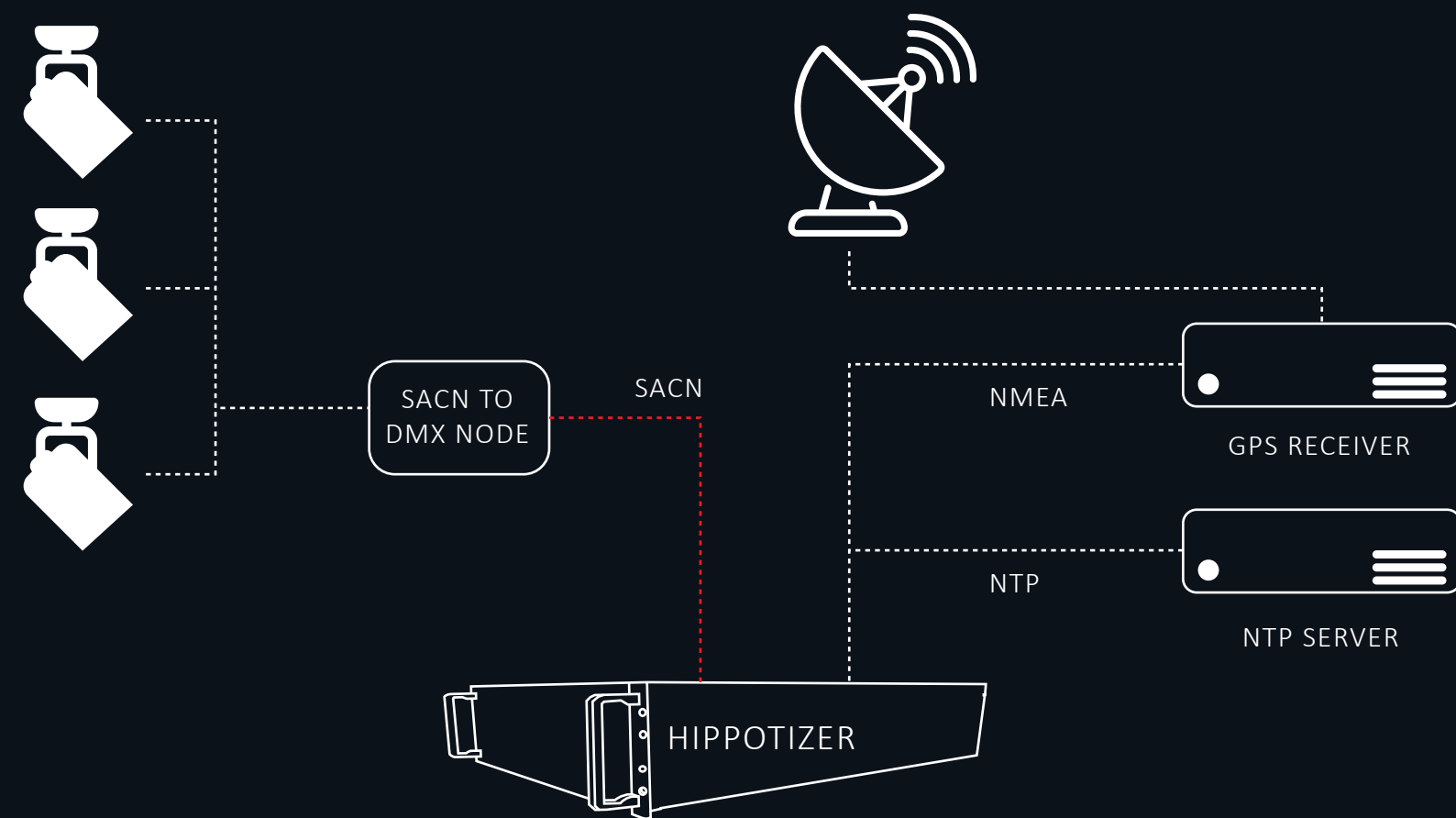Lighting of centre dome from LED mounted around the perimeter.

Mixture of narrow and medium lens fixtures to wash the whole dome.

F373.b
F373.b.A
F375

Medium Lens
Medium Lens
Medium Lens
Narrow Lens
Medium Lens
Medium Lens
Medium Lens
Narrow Lens

3DFL 40 IP 20 RGBW
Drive current: 100mA
Approx. 500 lumens/m with all 4 colours on full power.

PIXELMAPPER /ADVANCED TRIGGERING (CRUISLINE)

THE SOLUTION

- Hippotizer Karst+ to drive the LED strips with Pixelmapper.

- Hippotizer PLAY provides pre-visualisation and testing with NMEA simulator.

- Green Hippo Special Projects integrate with NMEA

- Green Hippo Product Specialists create Content Template

SACN

SACN TO
DMX NODE

NMEA

GPS RECEIVER

NTP

NTP SERVER

HIPPOTIZER

WANT TO KNOW MORE ABOUT PIXELMAPPER OR ADVANCED TRIGGERING?
Get in touch sales@green-hippo.com | www.green-hippo.com

KEY BENEFITS OF HIPPOTIZER

Wartsila often use more simple control solutions to drive lighting around the ship (e.g. Pharos) however Hippotizer was chosen for several reasons in this installation.

- GPS / NMEA / NTP integration.

- Pre-visualisation of lighting elements in PLAY.

- Simple creative workflow

- Clean creative hand-off: image below is how content can be created:

GREEN HiPPO