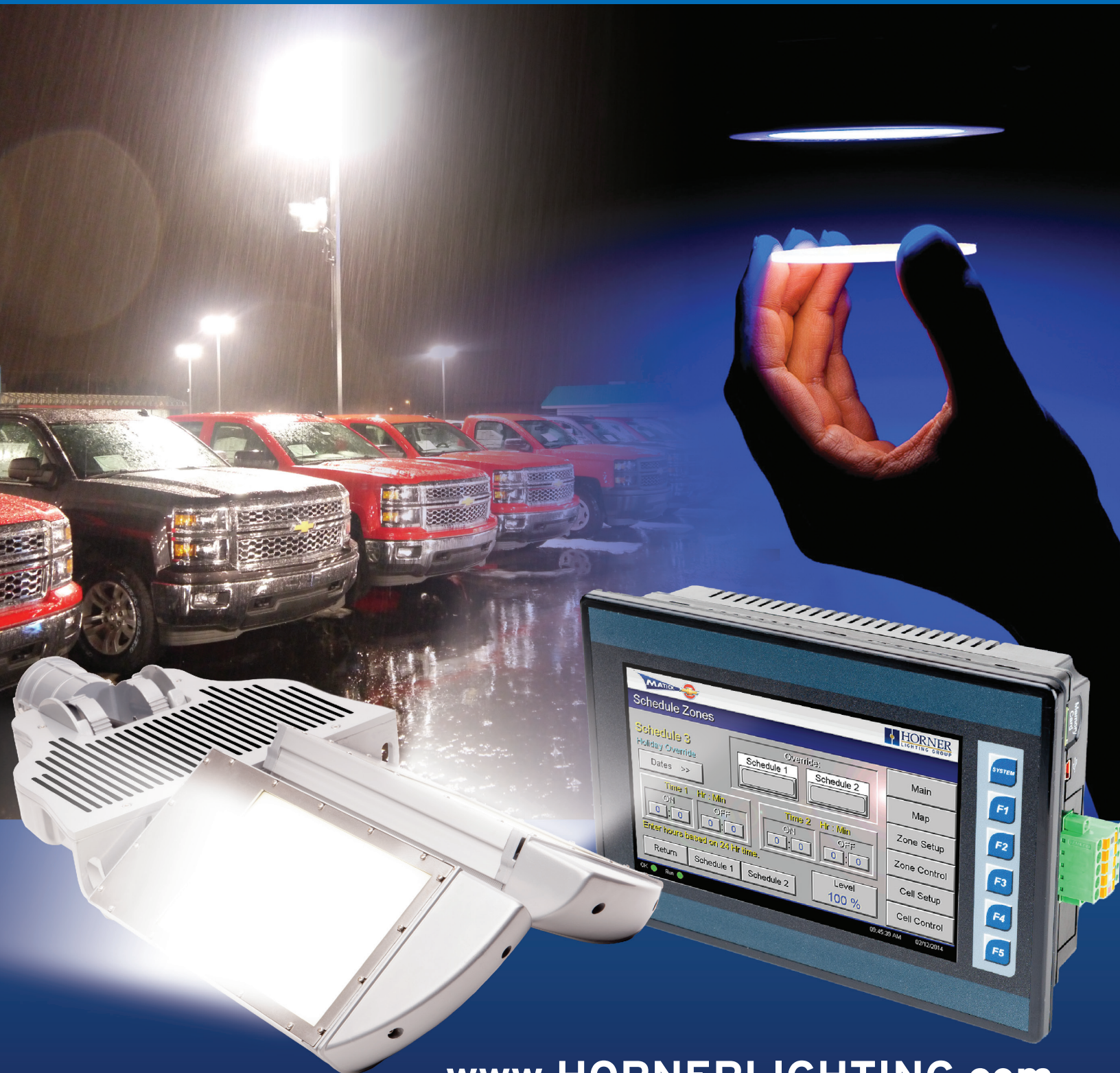


**NEXT GENERATION REMOTE PHOSPHOR LIGHTING SOLUTIONS**





## WHY REMOTE PHOSPHOR TECHNOLOGY?

Traditionally, white LED light is produced from a layer of phosphor adhered to on top of a royal blue LED. Over time, as heating cycles take effect, the adhesion begins to disintegrate and the phosphor layer “lifts” from the blue LED around the edges. This causes both depreciation of color and light output, as less of the light passes through the phosphor.



With Remote Phosphor technology, the phosphor is removed from the LED itself and relocated, reducing heat and extending life. Royal blue LEDs illuminate behind the phosphor material, causing it to evenly and consistently emit bright white light. The phosphor density can change light output color, and LED arrangements can be specialized for red enhanced CRI.



## THE HORNER ADVANTAGE

Horner Lighting Group Remote Phosphor (RP) fixtures provide an innovative approach for creating increased light output and sustainable energy savings in LED lighting applications.

The advanced technology reduces glare, lessens color shift, increases efficiency, reduces heat, and enhances lifecycle. Adding a Horner OCS controller to automate the lighting process further increases savings and functionality.



With proven success in a wide variety of applications, Horner RP fixtures are ideal for:

- Parking Lot and Garage
- Retail Environments
- Overhead Canopy
- Indoor Warehouse
- Gymnasiums
- Security Lighting
- Exterior Building Lighting
- Automated Lighting Systems



**NEXT GENERATION REMOTE PHOSPHOR LIGHTING SOLUTIONS**

# HORNER LIGHTING GROUP

- **IMPROVES OVERALL LUMEN MAINTENANCE & PROVIDES QUALITY LIGHT**
- **MANAGES LIGHTING SYSTEMS TO REDUCE POWER USAGE**
- **SECURES YOUR ENVIRONMENT BY PROVIDING VISIBILITY WHEN & WHERE YOU NEED IT**
- **PROVIDES THE MOST EFFICIENT LIGHTING WHILE DECREASING YOUR TOTAL INVESTMENT**



## RETROFIT SOLUTIONS

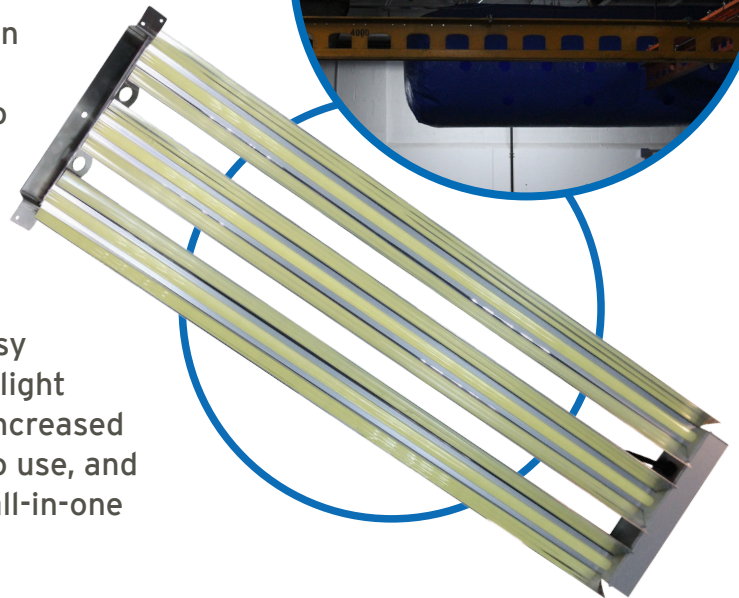
Older, existing fixtures can be rebuilt and retrofitted with new, more efficient, remote phosphor light engines. The transition is as easy as removing existing internals and installing the R80 Retrofit light and power supply.

Replacing only the light engine from the fixture can greatly improve the quality of lighting and save on energy costs - all without the expense of having to add brand new fixtures.



## CONTROL SOLUTIONS

The Horner suite of control products allows for easy dimming, motion control, occupancy, and ambient light sensing, resulting in up to 30% cost savings and increased site management. The control devices are ready to use, and can work wirelessly with any lighting needs in an all-in-one package.



The main focus of Horner Lighting Group, a division of Horner APG, LLC., is to service customer needs. We strive to make our customers' businesses and lives more effective and efficient. This is accomplished by reducing operational costs through reduced power usage, improved fixture effectiveness and visibility, and providing a solution which requires the lowest maintenance possible. Horner Lighting Group designs, manufactures, and distributes from our Indianapolis, Indiana facilities.



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