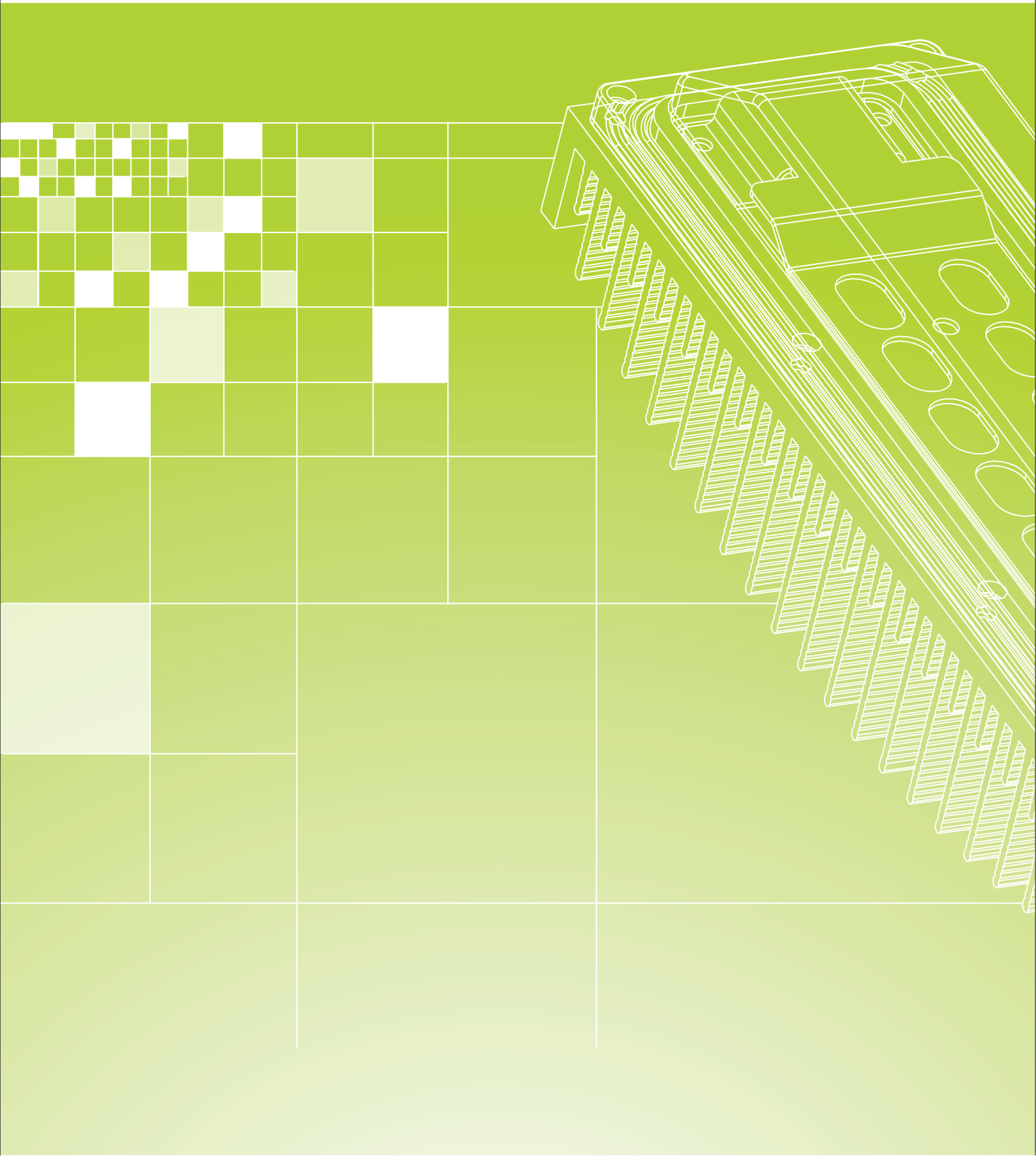


NIKKON®

LEDXION

LED LIGHTING 



NIKKON[®] LEDXION[®]

OUR APPROACH : YOUR SOLUTION

ADVANTAGES OF LED LIGHT

The future of outdoor lighting is in LEDs. The many benefits of LED light in applications from outdoor architectural lighting to flashlights to emergency vehicle lighting are well established. The benefits of LED light in those applications apply to outdoor lighting as well:

LONG LIFETIME & LUMEN MAINTENANCE

Philips Lumileds Luxeon Rebel ES LED maintains over 70% of the original luminous flux at 50,000 hours (LM 80 compliance) – long after conventional outdoor light sources have burned out.

LED LIGHT IS DIRECTIONAL

HID based light fixtures waste approximately 20~50 percent of the light generated due to the lack of directionality of the light source. LED – based fixtures overcome this handicap by making use of directional point light source.

EFFICIENT THERMAL MANAGEMENT

Good thermal management is key to longevity. Each LED module mounted to individual heat sink to ensure LED is operating at ideal temperature and for easy scalability in design.

ENVIRONMENTAL FRIENDLY

Unlike many conventional lighting technologies, LEDs contain neither mercury nor heavy metal. Not only the LEDs are better for the environment during their operational life but the disposal of LEDs will not further pollute our world's landfills with hazardous waste.



ECO FRIENDLY SOLUTION WITH NIKKON LEDXION LED MODULE

THE RIGHT LED

To meet today's general lighting requirement, NIKKON work with premier top tier LED supplier from around the world. Our primary LED partner, Philips LUMILEDS control all aspects of its LED manufacturing, from wafer fabrication to final LED package Philips LUMILEDS ensures the finest possible core light unit.



MINIMIZE MAINTENANCE & SERVICES COSTS

With 50,000 hours rated life at 70% lumen maintenance LED operate 4.2X longer than traditional HID solutions.

HEAT SINK

Proper thermal management is key longevity. Each Led module is mounted to heat sink ensuring LED is operating at an ideal temperature and effectively at moving heat away from LED and PCB.

MODULAR LED

Designed to grow with LED technology, you can select the desire number of LED module to achieve the target output. Individual LED module consists of an array of LED and easy scalability in design.

LESS INSECT ATTRACTION WITH NO UV LIGHT SOURCE

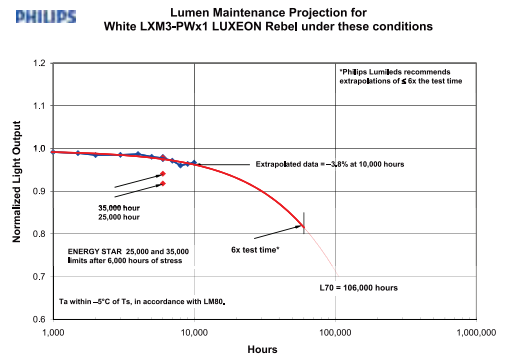
No UV region (below 380nm) is emitted from LED light source thus attraction of insects is drastically reduced compared with mercury lamp or standard metal halide lamp.

SCALABILITY IN LED MODULAR



STAY BRIGHT WITH HIGH LUMEN MAINTENANCE

Industry best lumen maintenance - 50,000 hours life at 700mA with 70% lumen maintenance tested under IESNA LM-80 standard



HIGH JUNCTION TEMPERATURE

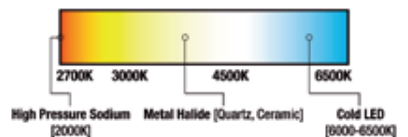
Industry leading junction temperature, 150°C

OPTIC TECHNOLOGY

Lens is a direct contact refractor sealed to LED dome with combination of premium lens material delivers up to 90% optical efficiency.

COLD WHITE LED LIGHT SOURCE

Typical LED solutions standardize on a cold blue 6000 – 6500K correlated color temperature (CCT) to maximize lumen output. Philips LUMILEDS provide warm light at a standard 5300K CCT with no sacrifice in lumen output.



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FEATURES

- Minimize maintenance & services costs
- Less insect attraction with No UV light source
- Stay bright with high lumen maintenance
- Industry leading junction temperature, 150°C
- Proper thermal management with integrated heat sink
- Superior optic technology

APPLICATION

- Street Lightings
- Highbay & Lowbay Lightings
- Landscape Lightings
- Floodlights
- Area Lightings



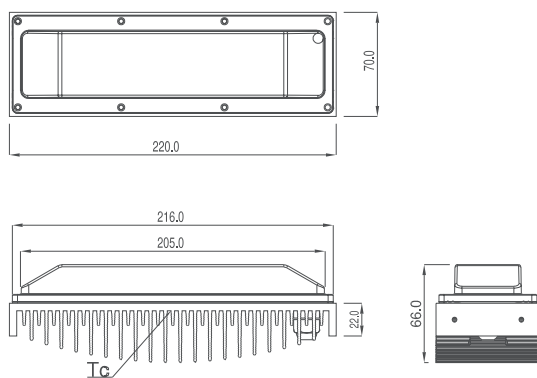
TECHNICAL DATA

Model Code	Number of LEDs	Voltage (Vdc)	Current (mA)	Power (w)	Viewing Angle (°)	Junction Temp. (°C)	Tc (°C)	Operating Temp. (°C)	Colour Temp. (K)	Lum. Flux (lm)
RT53ES-RT-14SL-2-C-H	14	44.8	700	31.36	140	150	75	-30 ~ 50	5300	2700
RT53ES-RT-14SL-2-C-V	14	44.8	700	31.36	140	150	75	-30 ~ 50	5300	2700
RT53ES-RT-14MB60-2-C-U	14	44.8	700	31.36	40	150	75	-30 ~ 50	5300	2700

Note: 3000K, 3500K & 4000K LEDs are available upon request.

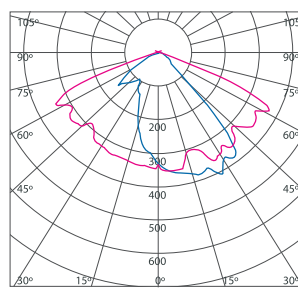
H: Horizontal Lens V: Vertical Lens U: Universal Lens

DRAWINGS

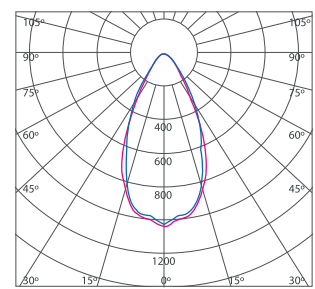


PHOTOMETRIC

RT53ES-RT-14SL-2-C-H
RT53ES-RT-14SL-2-C-V



RT53ES-RT-14MB60-2-C-U



cd/ftm
C0/C180: — C90/C270: — η = 93%
Symmetrical light distribution

cd/ftm
C0/C180: — C90/C270: — η = 95%
Asymmetrical light distribution

