

## VAR-w8-2 White-Light Illuminator A&E Specification Text

45m to 210m (148ft to 689ft) illumination distance

10° to 120° illumination angle



### GENERAL

- A. The White-Light illuminator shall be a solid state LED device utilizing SMT (Surface Mount Technology) light intensification miniature optics, with current controlled LED's providing at least 10 years illumination life (44,000hrs night time use).
- B. The illuminator shall provide an integrated 12-24V AC/DC power supply.
- C. The illuminator shall include an adjustable photocell for automatic on/off operation, and a telemetry control input for remote operation.
- D. The illuminator shall provide a photocell-following output.
- E. The LED illuminator shall be vandal resistant and manufactured using high impact polycarbonate lensing and shall incorporate an aluminum extruded heat sink to aid LED life expectancy.
- F. The illuminator shall have an IP66 rating as a minimum.
- G. The illuminator shall have an operational temperature range between -50 to 80°C (-58 to 176°F).
- H. The illuminator shall be CE and FCC approved.
- I. The illuminator shall make use of hot-spot reduction (HRT) technology.
- J. The illuminator shall incorporate status LED's indicating correct voltage and operation, receipt of valid commands, and incorrect commands and input voltage.
- K. IP and PoE versions available.
- L. The illuminator shall make use of interchangeable diffuser-lenses permitting illumination angles of 10°, 35°, 60°, 80°, 120°. Custom diffuser-lenses shall be available on request.
- M. The illuminator shall be controllable via a hand-held control permitting remote adjustment of the following parameters and functions:
  - i. Power Select – 20, 40, 60, 80 and 100% of power
  - ii. Photocell Adjust – 3 sensitivity levels
  - iii. Photocell Disable
  - iv. Timer Setting – telemetry-triggered, pre-determined “on” period, up to 30 minutes
  - v. Remote Control Set-up Disable
  - vi. Restore Factory Defaults
  - vii. Remote Dimming
  - viii. LED Status Indicator on/off Toggle

## TECHNICAL SPECIFICATIONS

A. The illuminator shall meet or exceed the following specifications:

- a. Max. lighting distance: 210m (689ft) @ 10 degree
- b. Angle of Illumination: 10-30, 35-105, 60-180, 80-180, 120-180 degrees [Interchangeable]
- c. Optics: Surface mount technology LED's
- d. Maximum consumption: 96 watts
- e. Power Supply: input : 12-24V AC/DC [+/- 10%]
- f. Weight: 4.5kg (9.9lbs)
- g. Ingress Protection Rating: IP66
- h. Operating Temperature: -50°C à + 50°C (-58 to 122°F)
- i. Wavelength: White Light
- j. Dimensions: 279mm x 223mm x 68mm

B. The illuminator shall be covered by a manufacturer's warranty of 5 years from the date of purchase.

C. The White-Light illuminator shall be the VAR – w8-2 manufactured by Raytec or an approved equivalent.