ø22mm Ultra-bright LED Pilot Lights - AP22M Series

Key Features

- Viewable in direct sunlight.
- Visible from all directions.
- The use of an ultra-bright LED that is not susceptible to external scattered light ensures high visibility and provides for more accurate recognition.
- Integrated terminal cover is IP20 (finger protection), preventing electrical shocks.
- UL and c-UL listed, EN standard compliant.
- Colored and clear lenses are offered.
- UL Type 4X

Specifications

Operating Temperature		–25 to +55ºC (no freezing)
Storage Temperature		–45 to +80ºC (no freezing)
Operating Humidity		45-85%RH (no freezing)
Insulation Resistance		100MΩ (DC500V megger)
Over Voltage Category		II (IEC60664-1)
Impulse Dielectric Strength		2.5kV (IEC60664-1, IEC60947-5-1)
Pollution Degree		3 (IEC60947-5-1)
Dielectric Strength		between terminals of different poles: 2,000V AC, 1 min between live and non-live parts: 2,000V AC, 1 min
Vibration Resistance	Operation limit	5-55Hz half amplitude: 0.5mm
	Damage limit	30Hz half amplitude: 1.5mm
Shock Resistance	Operation limit	100m/s² (10G)
	Damage limit	1000m/s² (100G)
Degree of Protection		Panel front: IP66 (IEC 60529), UL Type 4X Terminals: IP20
Terminal Size		M3.5 screw
Tightening Torque	Terminal Screw	1.0N•m
	Locking Ring	2.0N•m
Wire Size		AWG16 ~ AWG14, 2 wires max.
Weight (approx.)		18g

LED Lamp Ratings

Rated Voltage	12V DC, 24V DC*
Voltage Range	12V DC ±5%, 24V DC ±10%*
LED Illumination Color	Red (R), Green (G), Yellow (Y), Amber (A), Blue (S), and White (PW)
Rated Current	12V DC: R, A, Y - 21mA; G, S, PW - 22mA 24V DC: 24mA (all colors)
LED Life (Ref.)	Approx. 30,000 Hrs. at rated voltage @ 25ºC in specified environmental conditions (The brightness reduces to 50% of initial value.)
Equivalent Circuit	

*Other voltages to be announced.