

CE II 3GD Ex nA IIC T4 Gc, Ex tc IIIC T135°C Dc IP65 94/9/Ex(ATEX)CENELEC:EN 60079-0, EN 60079-15, EN 60079-31

Water and Oil Resistant LED Spot Light



The CLN-EX Series LED Spot Lights features a compact, rugged design, high intensity LEDs, and protection ratings to withstand the harshest conditions. With a 22.2mm thickness, a 820 lux output, and a 180-degree adjustable angle bracket, the CLN-EX maximizes visibility in just about any environment.

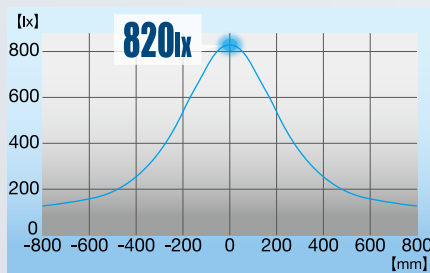
- Suitable for Zone 2 and Zone 22 applications
- CE compliance in accordance with ATEX
- 60,000 hours or about 7 years of service life
- Protection ratings: IP66G, IP67G, IP69K
- IEC62471 Compliance (Photobiological Safety Standard)
- Daylight color temperature (8,500K) suitable for detailed work
- Included angle bracket with 180-degree range of motion
- 22.2mm Thickness x 85mm Width x 126mm Height



CLN-24-CD-PT-EX



Light Distribution Characteristics



High intensity LEDs with 820 lx provides optimal illumination with only a 174mA current draw



Stainless steel, 180-degree angle bracket provides versatile installation options to illuminate your work area

Floor Mount



Wall Mount

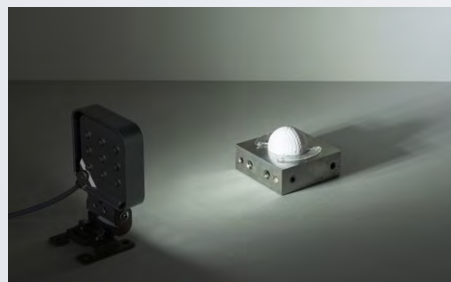


Ceiling Mount

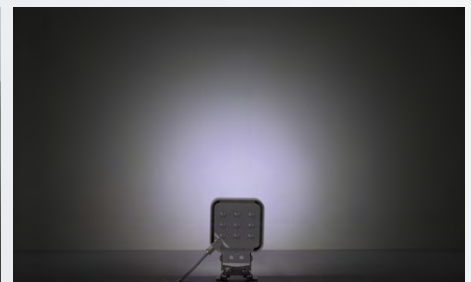


Angle bracket can be removed for direct mounting

Color temperature of 6,500K is ideal for detailed work areas



Natural, wide light distribution at 550 lumens; 40W bulb equivalent



Specifications

Model	CLN-24-CD-PT-EX
Color Code (Color)	CD (Daylight)
Color Temperature (typ.)	6500K
Illumination (typ.) (Centered at 24VDC) 1m	820 lx
Total Luminous Flux (typ.)	550 lm
Rated Voltage	24V DC (Polarized)
Operating Voltage Range	24V DC $\pm 10\%$
Rated Current/Power Consumption	174mA $\pm 10\%$ / 4.2W
Operating Ambient Temperature	-40°C to +60°C (90% RH, No Condensation)
Main Unit Material	Body: Aluminum Alloy, Lens: Tempered Glass
Protection Rating	IP66G/67G (JIS C 0920)/69K (DIN 40050 part 9) (excluding cable end)
Mounting Location/Direction	Indoor / Any Direction
Insulation Resistance	DC 500V 5M Ω or more
Withstand Voltage	500VAC for 1 minute (Between terminals and chassis)
Vibration Resistance	30Hz total amplitude 0.3mm ^{pp} Back and forth, up and down, right and left for 2 hours each Total amplitude 0.3mm ^{pp} (10-57Hz), Acceleration 19.6m/s ²
Mass (Tolerance $\pm 10\%$)	430g

*1 : The typical value of LED brightness is 70% of the original specification, but may vary depending on actual applications.
 *2 : IP66G and IP67G are Japanese Industrial Standards (JIS C0920-2003), and IP69K is the German DIN 40050 PART9 Standard.
 *3 : CLN-24-CD-PT-EX Spot Light can only be installed where risk of mechanical danger is limited to 2 Joules of impact energy

Dimensions (mm)

