

[SECURILED]

Anti-Ligature LED Panel



Description

Robust, durable, Anti-ligature and tamperproof design with IK10+ protection, High transmittance, uniform light emission, comfortable eye protection without glare, yellowing, discoloration, long-lasting durability, high sealing of internal and external bonding, and bright LED chip. Applied to prefabricated houses, locomotives, fishing boats, construction sites, ship lighting, prison lighting.



Key Features

- Warranty: 5 years
- Input Voltage: 220-240V.50/60Hz
- High efficiency, up to 110lm/W
- Philips Driver, Flickering Free Driver, PF>0.9
- LED: Philips (Lumileds) 2835
- Aluminum Frame + Iron Housing
- CRI>90/UGR<19/SDCM3/IP65 IK10+
- Anti-ligature & anti-tamper housing with vandalproof screws



* The AC cable is specified by the buyer. the default manufacturer's AC cable is for testing.

Specification

Optical Parameters

| | |
|----------------|------------------|
| CCT | 4000K |
| CRI(Ra) | 90 |
| SDCM | 3 |
| UGR | < 19 |
| Beam angle | 90° |
| Lamp Color RAL | White (RAL 9003) |

| | |
|----------|--|
| Material | Lens: PMMA + Tempered glass |
| | Frame: aluminum+Tamper-proof screw |
| | Back cover housing: White painted iron plate |

Life

| | |
|---------------------|---|
| Warranty | 5 years |
| L70B30 | 100,000+ hours |
| L80B10 | 80,000 hours |
| L90B10 | 50,000 hours |
| Driver failure rate | 0.2% per 5000 hours |
| maintenance | Optical module sealed for life; no internal cleaning required |

Electrical Parameters

| | |
|-------------------------|---|
| Dimming | DALI |
| Input voltage | 220-240Vac 50/60Hz |
| PF | 0.95 |
| PE | 0.88 |
| Over load/short Circuit | Protection |
| Driver Connection | Push-in connector (PI) with DC V2 connector |
| Hi-pot Test Range | SELV Isolated Driver, 3750Vdc/5mA/60S |

Installation Information

| | |
|-------------------------------|---|
| "Average ambient temperature" | - " Average ambient : +25 °c Operating temperature range: -20 to +50 °C" |
| Ceiling type | Exposed T-bar ceiling / Clean Room ceiling |
| Light source | Replaceable LED module |
| IP | IP65 |
| IK | IK 10+ |

Model List

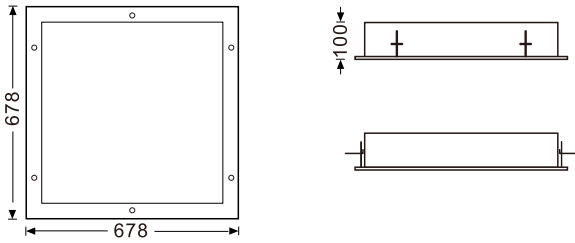
| Model | Size(cm) | Power(w) | LPW(lm/w) | Brightness(lm) @4000K |
|---------------|----------|----------|-----------|-----------------------|
| AL-6x3-16D90 | 34x66 | 16 | 90 | 1440 |
| AL-6x6-28D90 | 67x67 | 28 | 110 | 3080 |
| AL-6x6-42D90 | 67x67 | 42 | 110 | 4620 |
| AL-12x3-28D90 | 32x123 | 27 | 110 | 2970 |



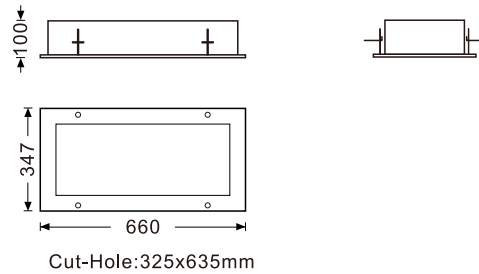
| Model | "LED Q'ty" | "LED Class" | Package CTN | | | Q'ty CTN 40HQ |
|---------------|------------|-------------|--------------|--------|--------|------------------|
| | | | Ctn Size(mm) | G.W kg | N.W kg | |
| AL-6x3-16D90 | 36 | P195 | 700x300x400 | 16.00 | 14.00 | 2 2200 |
| AL-6x6-28D90 | 72 | P195 | 700x300x700 | 28.00 | 26.00 | 2 1150 |
| AL-6x6-42D90 | 72 | P195 | 700x300x700 | 28.00 | 26.00 | 2 1150 |
| AL-12x3-28D90 | 72 | P195 | 1300x300x400 | 29.00 | 27.00 | 2 1100 |

Dimensional Drawing

6060



3060



30120

