

# THE LUX COMPANY Recessed ABE LED Light Box with Tridonic CLE



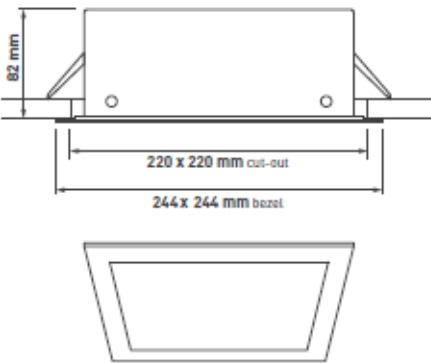
THE  
LUX  
COMPANY

## DESCRIPTION



LED light box with low profile bezel for clean ceiling lines and fitted with an IP54 acrylic diffuser for a uniform distribution of light. Back lit design incorporating the Tridonic CLE module with high efficacy to aid Part L2 compliance. Designed for high-end commercial and retail applications with a choice of lumen outputs as well as dimming and emergency options. Complements ADB and ADC light boxes.

## SPECIFICATIONS



|                                      |                   |
|--------------------------------------|-------------------|
| Nominal weight                       | 1.4 kg            |
| Mains voltage                        | 220 - 240 V       |
| Mains frequency                      | 50 - 60 Hz        |
| Ingress protection (front)           | IP54              |
| Ingress protection (rear)            | IP20              |
| Mains lead                           | 500 mm 3 core LSF |
| Dimming lead (/ECO)                  | 500 mm 2 core LSF |
| Operating ambient temperature        | -25°C to +35°C    |
| Colour consistency - MacAdam ellipse | 3 SDCM            |
| Warranty                             | 5 years           |
| Power factor                         | >0.9              |
| Colour rendering                     | R <sub>a</sub> 80 |

## PERFORMANCE DATA

| Colour Temp (K) | Luminaire Output (Llm) | Luminaire Power (W) | Luminaire Efficacy (Llm/W) | UGR  | Model Ref |
|-----------------|------------------------|---------------------|----------------------------|------|-----------|
| 3000            | 407                    | 5.0                 | 81.3                       | 20.4 | ABE001    |
| 3000            | 884                    | 10.2                | 86.4                       | 23.1 | ABE003    |
| 3000            | 1217                   | 15.3                | 79.6                       | 24.1 | ABE005    |
| 4000            | 444                    | 5.0                 | 88.8                       | 20.7 | ABE002    |
| 4000            | 966                    | 10.2                | 94.5                       | 23.2 | ABE004    |
| 4000            | 1326                   | 15.4                | 86.4                       | 24.2 | ABE006    |



## LIFE

| Model Ref | 35°C Ambient Temperature |           |           |
|-----------|--------------------------|-----------|-----------|
|           | L90 / F10                | L80 / F10 | L70 / F10 |
| ABE001    | 36,000 h                 | >50,000 h | >50,000 h |
| ABE002    | 36,000 h                 | >50,000 h | >50,000 h |
| ABE003    | 30,000 h                 | >50,000 h | >50,000 h |
| ABE004    | 30,000 h                 | >50,000 h | >50,000 h |
| ABE005    | 24,000 h                 | >50,000 h | >50,000 h |
| ABE006    | 24,000 h                 | >50,000 h | >50,000 h |

"LVALUE" = % of initial lumens maintained after specified time

"FVALUE" = % of fittings failing to meet operational expectations after specified time

### EXAMPLE - 60,000 hours L80 / F10

"L80" = 80% of initial lumens maintained after 60,000 hours

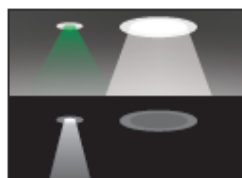
"F10" = 10% of fittings will have maintained less than 80% of initial lumens after 60,000 hours

OR 90% of fittings will have maintained at least 80% of initial lumens after 60,000 hours

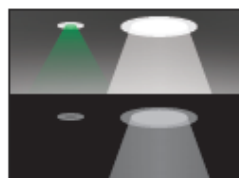
## OPTIONS



**/ECO**  
SwitchDIM, DALI or DSI



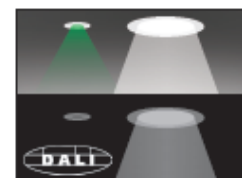
**ILEM available**  
Please see ILEM  
datasheet



**/EM**  
3 hour EM conversion



**/EMS**  
3 hour self-test EM  
conversion



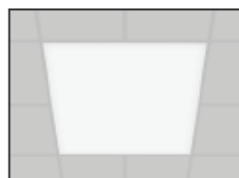
**/EMD**  
3 hour DALI addressable  
EM conversion



**/SPC**  
Single Point Connection  
to ILEM product



**600 x 600 available**  
Please see ADB datasheet



**1200 x 1200 available**  
Please see ADC datasheet