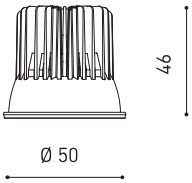
# Lark

ARKOSLIGHT

## Dimensions




| | PRODUCT |
|---|---|
| Name | LARK 50 CITIZEN 7.5W 3000K 38º + DRIVER DIM PH.CUT 200mA + BOX |
| Reference | 04340015 |
| Category | LAMPS |

| | LIGHT SOURCE |
|---|---|
| Type | LED |
| Gross luminous flux | 1000 lm |
| Colour temperature | 3000 K |
| Chromatic stability | MacAdam Step 2 |
| Colour Rendering Index | CRI>80 |
| Power | 7,5 W |
| Current | 200 mA |
| Efficacy | 133 lm/W |
| LED lifespan | L90B10 >55.000h |
| Energy efficiency class | D |

| | LIGHTING FIXTURE \| PHOTOMETRIC DATA |
|---|---|
| Net luminous flux | 920 lm |
| Lighting efficiency | 92% |
| Light beam angle | 38° |

| | LIGHTING FIXTURE \| ELECTRICAL DATA |
|---|---|
| Driver | Included - Fast Connect |
| Power values of the system | 8,99 W |
| Frequency | 50/60 Hz |
| Dimming | Phase Cut - Other DIM, please consult |

| | OTHER DATA |
|---|---|
| Wireless control | Please Consult |
| Emergency power supply | Please Consult |
| Weight | 100 g |
| Packaged weight | 125 g |
| Packaging dimensions | 52 x 52 x 51mm |
| Units per package | 1 |

CE

50mm LED lamps with the finest quality and best performance do have a brand: LARK. With dim option and above all an outstanding luminous flux.

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# Lighting technical data

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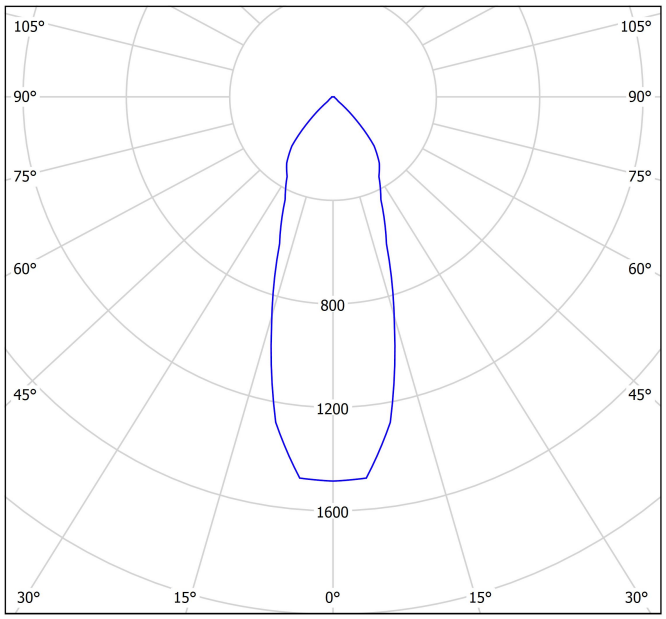
## Polar diagram

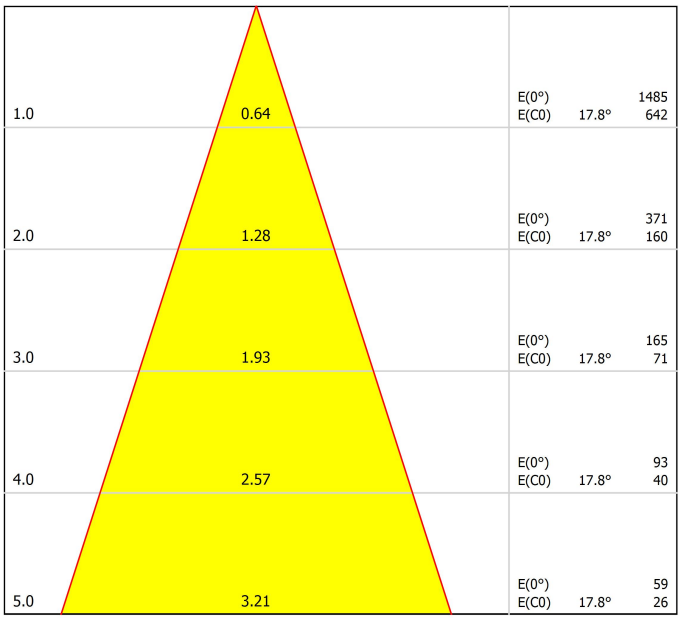



cd/klm

η = 92%

C0 - C180 C90 - C270

## Conical diagram




Distance [m] Cone Diameter [m] Illuminance [lx]

C0 - C180 (Half-value Angle: 35.6°)

## UGR

**Glare Evaluation According to UGR**

| ρ Ceiling | | 70 | 70 | 50 | 50 | 30 | 70 | 70 | 50 | 50 | 30 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ρ Walls | | 50 | 30 | 50 | 30 | 30 | 50 | 30 | 50 | 30 | 30 |
| ρ Floor | | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| Room Size X | Y | Viewing direction at right angles to lamp axis | | | | | Viewing direction parallel to lamp axis | | | | |
| 2H | 2H | 13.2 | 14.0 | 13.4 | 14.2 | 14.4 | 13.2 | 14.0 | 13.4 | 14.2 | 14.4 |
| | 3H | 14.3 | 15.0 | 14.6 | 15.2 | 15.5 | 14.3 | 15.0 | 14.6 | 15.2 | 15.5 |
| | 4H | 15.0 | 15.6 | 15.3 | 15.9 | 16.2 | 15.0 | 15.6 | 15.3 | 15.9 | 16.2 |
| | 6H | 16.0 | 16.6 | 16.3 | 16.9 | 17.1 | 16.0 | 16.6 | 16.3 | 16.9 | 17.1 |
| | 8H | 16.6 | 17.2 | 16.9 | 17.5 | 17.8 | 16.6 | 17.2 | 16.9 | 17.5 | 17.8 |
| | 12H | 17.4 | 18.0 | 17.8 | 18.3 | 18.6 | 17.4 | 18.0 | 17.8 | 18.3 | 18.6 |
| 4H | 2H | 13.5 | 14.1 | 13.8 | 14.4 | 14.7 | 13.5 | 14.1 | 13.8 | 14.4 | 14.7 |
| | 3H | 14.9 | 15.4 | 15.2 | 15.7 | 16.0 | 14.9 | 15.4 | 15.2 | 15.7 | 16.0 |
| | 4H | 15.8 | 16.3 | 16.2 | 16.6 | 17.0 | 15.8 | 16.3 | 16.2 | 16.6 | 17.0 |
| | 6H | 17.1 | 17.5 | 17.5 | 17.8 | 18.2 | 17.1 | 17.5 | 17.5 | 17.8 | 18.2 |
| | 8H | 17.9 | 18.2 | 18.3 | 18.6 | 19.0 | 17.9 | 18.2 | 18.3 | 18.6 | 19.0 |
| | 12H | 18.9 | 19.2 | 19.3 | 19.6 | 20.0 | 18.9 | 19.2 | 19.3 | 19.6 | 20.0 |
| 8H | 4H | 16.2 | 16.6 | 16.6 | 17.0 | 17.4 | 16.2 | 16.6 | 16.6 | 17.0 | 17.4 |
| | 6H | 17.8 | 18.1 | 18.3 | 18.5 | 19.0 | 17.8 | 18.1 | 18.3 | 18.5 | 19.0 |
| | 8H | 18.8 | 19.1 | 19.3 | 19.5 | 20.0 | 18.8 | 19.1 | 19.3 | 19.5 | 20.0 |
| | 12H | 20.1 | 20.3 | 20.6 | 20.7 | 21.2 | 20.1 | 20.3 | 20.6 | 20.7 | 21.2 |
| 12H | 4H | 16.3 | 16.7 | 16.8 | 17.1 | 17.5 | 16.3 | 16.7 | 16.8 | 17.1 | 17.5 |
| | 6H | 18.0 | 18.3 | 18.5 | 18.7 | 19.2 | 18.0 | 18.3 | 18.5 | 18.7 | 19.2 |
| | 8H | 19.2 | 19.4 | 19.7 | 19.8 | 20.3 | 19.2 | 19.4 | 19.7 | 19.8 | 20.3 |

Variation of the observer position for the luminaire distances S

| | | |
|---|---|---|
| S = 1.0H<br>S = 1.5H<br>S = 2.0H | +2.2 / -3.6<br>+3.9 / -4.2<br>+5.8 / -4.7 | +2.2 / -3.6<br>+3.9 / -4.2<br>+5.8 / -4.7 |
| Standard table | BK01 | BK01 |
| Correction Summand | 5.2 | 5.2 |

Corrected Glare Indices referring to 1000lm Total Luminous Flux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# Phase Cut dimmers compatibility

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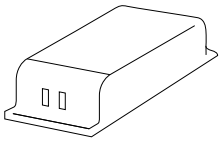

| DRIVER | |
|---|---|
| 0433-01-28 | DRIVER LED 7.5W 200mA DIM PH.CUT |

PHASE CUT DIMMERS TESTED FOR COMPATIBILITY:

| Brand / Manufacturer | Model number | Dimming Type |
|---|---|---|
| Busch | 2247U | Leading edge |
| Busch | 6523 U | Leading edge |
| Legrand | Cat 400T | Trailing edge |
| Legrand | 6708300% | Trailing edge |
| Legrand | 77006200% | Trailing edge |
| NIKO | 310-01900 | Trailing edge |
| NIKO | 310-02700 | Trailing edge |
| NIKO | 310-02800 | Trailing edge |
| OSRAM | MCU Te250 | Trailing edge |
| Siemens | 5TC8 284 | Trailing edge |
| Diginet | MEDM/LED Smart phase (DGLCDM400) | Trailing edge |
| Clipsal | 32ELEDM | Trailing edge |
| Hager B&R | WBMD400LED | Trailing edge |
| V-PRO | 250W MAX. GLS | Trailing edge |
| SG | LEDDIM 400 | Trailing edge |
| ELKO | 316 GLED | Leading edge |
| Hamilton | LEDIT-B100 | Trailing edge |
| VLTIMATE | GU6012L | Trailing edge |
| SHUTTLE | SDIM-T-LED500W | Leading edge |
| RADIANT | LEDDIMO4-500W | Trailing edge |
| GIRA | 238500% | Trailing /Leading edge |
| JUNG | 122400% | Trailing /Leading edge |

THE PARTICULAR CONDITIONS OF EACH INSTALLATION AND THE SPECIFICATIONS AND CONDITIONS OF USE OF EACH REGULATOR, MAY DIFFER FROM THOSE CONSIDERED IN THE COMPATIBILITY TESTING, AND AFFECT ITS PERFORMANCE IN SAID INSTALLATION.

FOR MORE INFO, PLEASE CONSULT

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# Ecodesign and Energy Labelling

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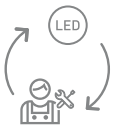



Fuente de luz (LED) reemplazable por un profesional autorizado

Replaceable (LED only) light source by an authorized professional.

Source lumineuse (LED) remplaçable par un professionnel agréé

Sorgente luminosa (LED) sostituibile da parte di un professionista autorizzato

Austauschbare (LED) Lichtquelle durch einen autorisierten Fachmann

Equipo de control reemplazable por un profesional autorizado

Replaceable control gear by an authorized professional

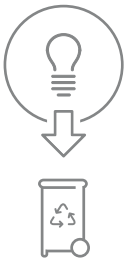
Dispositif de commande remplaçable par un professionnel agréé

Alimentatore sostituibile da parte di un professionista autorizzato

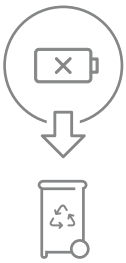
Auswechselbares Betriebsgerät durch autorisierten Fachmann

## Instrucciones para el final de vida y la eliminación de los componentes:
## Instructions on end-of-life and component disposal:
## Instructions pour la gestion des composants en fin de vie et leur mise au rebut :
## Istruzioni per il fine vita e lo smaltimento dei componenti:
## Anweisungen zur entsorgung der Leuchtenkomponenten:

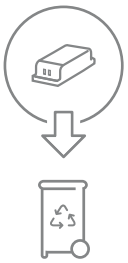
Interrumpir la alimentación del aparato
Cut the power supply to the luminaire
Couper l'alimentation du luminaire
Interrompere l'alimentazione dell'apparecchio
Stromversorgung der Leuchte unterbrechen



Quitar la(s) fuente(s) de luz para el desecho
Remove light source(s) for disposal
Retirer la (les) source(s) lumineuse(s) pour l'élimination
Rimuovere la/le sorgente/e di luce per lo smaltimento
Lichtquelle(n) zur Entsorgung entfernen

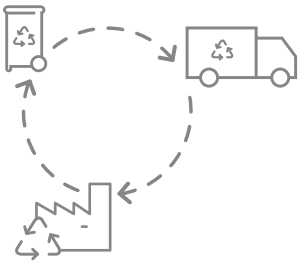


Quitar la batería para el desecho
Remove the battery for decommissioning
Retirer la batterie pour sa mise au rebut
Rimuovere la batteria per la dismissione
Die Batterie ordnungsgemäß entsorgen



Quitar el equipo de control para el desecho
Remove control gear for disposal
Retirer le dispositif de commande pour l'élimination
Rimuovere l'alimentatore per lo smaltimento
Betriebsgerät zur Entsorgung ausbauen

Enviar los materiales a un centro de recogida RAEE
Send the materials to a WEEE collection centre
Envoyer les matériaux dans une déchetterie DEEE
Inviare i materiali ad un centro di raccolta RAEE
Die Materialien in einem WEEE-Zentrum entsorgen



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