

# LEDko T Studio +

Product code:  
F111A000A

Last update:  
27/04/2023



LEDko T Studio +  
with Profile Zoom 28°-40° Optic

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#### Introducing

● Designed with new electronic and a new OLED display, this spot profile projector is the evolution of the Tungsten. The + electronic with advanced LED controller enables a smooth dimming and it offers and higher luminous efficiency, with a color rendering index of the white range greater than 96. Very quick setup of the functions thanks to the potentiometer knob

#### Key Features



● Tungsten COB LED



● High CRI > 95 typical 97



● CCT 3.200 K



● LED profile spot  
● High lumen flux and flat field



● Swappable lens tubes between 5–90°  
● Soft profiling thanks to Fresnel and PC optics (Coemar patent)



● Four blade framing system, each shutter blade is adjustable for radial position and angle



● Flame-retardant technopolymer reinforced with fiberglass



● Custom color on request (optional)



● Manual (standard) or Pole Operated Pan-Tilt (optional)



● European Conformity certification

|                                       |                                                                                            |
|---------------------------------------|--------------------------------------------------------------------------------------------|
| General                               |                                                                                            |
| ● LED Source                          | Tungsten COB LED                                                                           |
| ● CCT Range                           | ● ● ● ● ● 3.200 K                                                                          |
| ● Color Rendition Average             | CRI> 95 typical 97, TLCI 97                                                                |
| ● Dimming                             | 8 or 16bit, 5 selectable curves: Exponential, Logarithmic, Linear, Halo and Standard       |
| ● Dimming Smooth Selection            | Fast, Slow and Very Slow                                                                   |
| ● Strobe                              | Synchronized, random or pulse electronic strobe                                            |
| ● Available Optics                    | Swappable lens tubes between 5°-90°                                                        |
| ● Camera flicker control/Hz range     | Yes, from 600 Hz to 20.000 Hz                                                              |
| ● Calibrated Cob                      | Yes                                                                                        |
| ● L80 Rating<br>(hours to 80% output) | 50.000 Hours                                                                               |
| ● Pattern projection                  | Yes                                                                                        |
| ● Pattern size                        | A or B                                                                                     |
| Electrical                            |                                                                                            |
| ● Voltage Input                       | 85-264 V, 50/60 Hz, auto-sensing                                                           |
| ● Power Consumption                   | 200 W Maximum - 0.92 A at 230 V, 1.83 A at 115 V - cosφ 0,95                               |
| ● Power Connection                    | In and Out PowerCON TRUE1 Top connectors, 1.5 m (4.9 ft) PowerCon cable without power plug |
| ● Data Connection                     | In and Out DMX 5 pin locking XLR connectors                                                |
| Thermal                               |                                                                                            |
| ● Ambient Operating Temperature       | 0°C - +40°C (32°F - 104°F)                                                                 |
| ● Fan (controllable)                  | Yes, 4 different settings: Silent, Studio, Auto, DMX Regulated                             |
| Control                               |                                                                                            |
| ● Protocols                           | DMX-512, RDM (Remote Device Management), Wireless (optional by LumenRadio)                 |
| ● RDM configuration                   | Yes                                                                                        |
| ● DMX Channels                        | 5 / 1                                                                                      |
| ● Display                             | Graphic OLED with on-board selector for quick setting                                      |
| ● Firmware upgrade                    | Through DMX with RDM Upgrade USB interface (code AC10011A001)                              |
| Physical                              |                                                                                            |
| ● Yoke                                | Manual (standard) or Pole Operated Pan-Tilt (optional)                                     |
| ● Materials                           | Flame-retardant technopolymer reinforced with fiberglass                                   |
| ● Framing System                      | Four stainless steel shutter blades in a two-plane assembly, 0.40mm (AISI 316)             |
| ● Weight                              | Body: 6 kg / 13.22 lbs - With Profile Zoom 28°/40° 8.5 Kg / 18.74 lbs                      |
| ● Length                              | Body: 362 mm / 14.25 in - With Profile Zoom 28°/40° optic: 601 mm / 23.66 in               |
| ● Height                              | 189 mm / 7.44 in - With bracket: 372 mm / 14.64 in                                         |
| ● Width                               | 355 mm / 13.97 in                                                                          |
| ● IP Rating                           | IP20 (available IP65 LEDko Ext Series)                                                     |
| ● Color options                       | Black (standard), custom color on request (optional)                                       |
| Included accessories                  |                                                                                            |
| GKIT17 (USA) / GKIT16 (EU)            | 1.5 m power cable with PowerCON TRUE1 Top and bare ends                                    |
| BC10011A106                           | Metal Gobo Holder                                                                          |

|        |
|--------|
| Optics |
|--------|

|             |                                    |
|-------------|------------------------------------|
| BC10011A017 | Profile Zoom 15°-35°               |
| BC10011A019 | Profile Zoom 25°-50°               |
| BC10011A003 | Profile Zoom 28°-40°               |
| BC10011A002 | Soft Profile Fresnel Zoom 14°-40°  |
| BC10011A001 | Soft Profile PC Zoom 11°-38°       |
| BC10011A000 | Front Barrel with Burnished Blades |
| BC10011A041 | Lens Tube Profile 5°               |
| BC10011A042 | Lens Tube Profile 10°              |
| BC10011A023 | Lens Tube Profile 14°              |
| BC10011A012 | Lens Tube Profile 19°              |
| BC10011A013 | Lens Tube Profile 26°              |
| BC10011A015 | Lens Tube Profile 36°              |
| BC10011A016 | Lens Tube Profile 50°              |
| BC10011A024 | Lens Tube Profile 70°              |
| BC10011A025 | Lens Tube Profile 90°              |

|                     |
|---------------------|
| General accessories |
|---------------------|

|             |                                                  |
|-------------|--------------------------------------------------|
| BC10034A003 | 4-Leaf Barndoor for Zoom Fresnel optic           |
| BC10011A006 | Magnetic Gobo Holder                             |
| BC10011A030 | Gobo Holder for Glass Gobo                       |
| BC10011A010 | Iris                                             |
| BC10011A049 | Gobo Holder for Iris Slot                        |
| BC10011A047 | Hook Clamp, 48-51 mm (Max Load 20 Kg)            |
| BC10011A045 | Light Clamp Silver, 48-51 mm (Max 75 Kg)         |
| BC10011A046 | Light Clamp Black, 48-51 mm (Max 75 Kg)          |
| BC10011A043 | Clamp Silver Flat 13-30 mm/ø15-50 mm (Max 20 Kg) |
| BC10011A044 | Clamp Black Flat 13-30 mm/ø15-50 mm (Max 20 Kg)  |
| BC10011A100 | Wireless Kit (LumenRadio)                        |
| BC10011A150 | Pole Operated Yoke                               |

|                                                  |
|--------------------------------------------------|
| Accessories for Profile Zoom 15°-35° and 25°-50° |
|--------------------------------------------------|

|             |                               |
|-------------|-------------------------------|
| BC10011A028 | Donut (190.5 mm)              |
| BC10011A027 | Half Top Hat (190.5 mm)       |
| BC10011A029 | Top Hat (190.5 mm)            |
| BC10011A040 | Color Frame Holder (190.5 mm) |

|                                                                          |
|--------------------------------------------------------------------------|
| Accessories for Soft Profile Zoom (Fresnel, PC) and Profile Zoom 28°-40° |
|--------------------------------------------------------------------------|

|             |                             |
|-------------|-----------------------------|
| BC10011A036 | Donut (185 mm)              |
| BC10011A035 | Half Top Hat (185 mm)       |
| BC10011A037 | Top Hat (185 mm)            |
| ACO4204     | Color Frame Holder (185 mm) |

|                           |
|---------------------------|
| Accessories for Lens Tube |
|---------------------------|

|             |                             |
|-------------|-----------------------------|
| BC10011A032 | Donut (159 mm)              |
| BC10011A031 | Half Top Hat (159 mm)       |
| BC10011A033 | Top Hat (159 mm)            |
| BC10011A021 | Color Frame Holder (159 mm) |



LEDko T Studio + Rear Panel with the new OLED Display



LEDko T Studio + with Pole Operated Yoke

LEDko T Studio + Pole Operated Yoke/Rear Panel

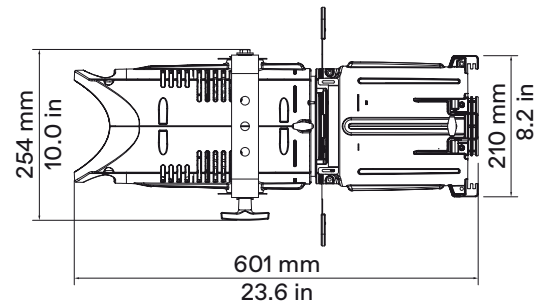
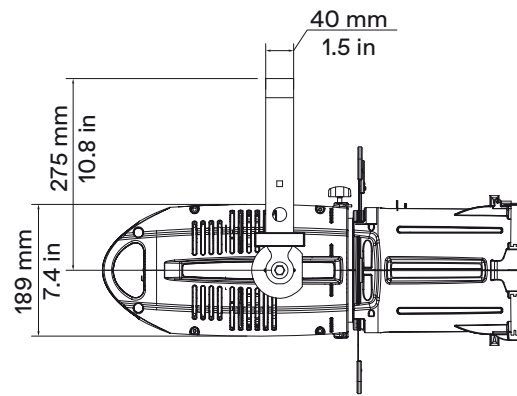
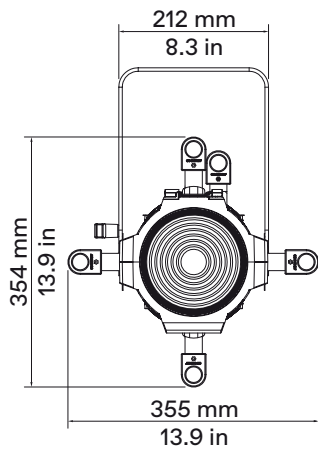
DMX Charts

#### 5 Channels

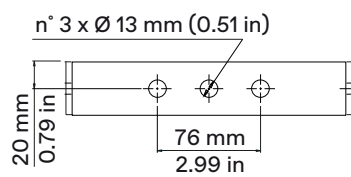
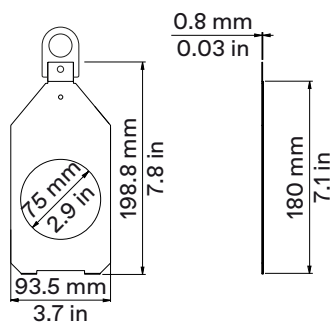
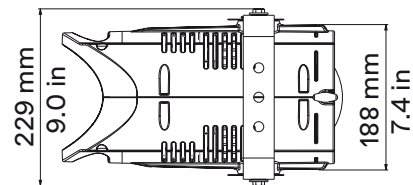
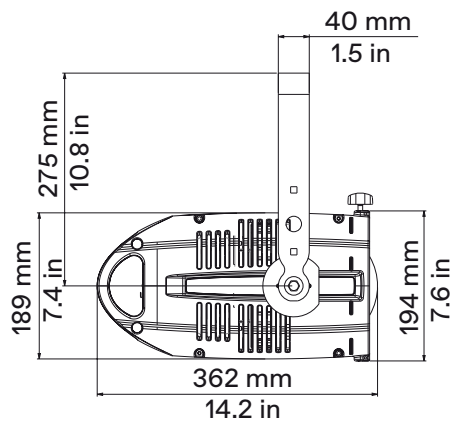
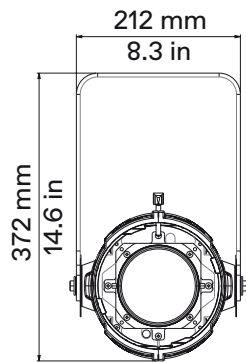
01 → Master Dimmer  
02 → Spare Channel  
03 → Dimmer Fine  
04 → Strobe Effect  
05 → Special Functions

#### 1 Channel

01 → Master Dimmer

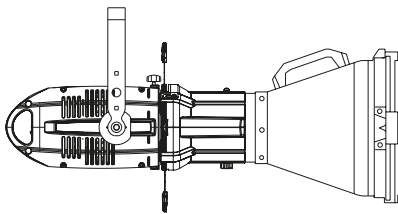


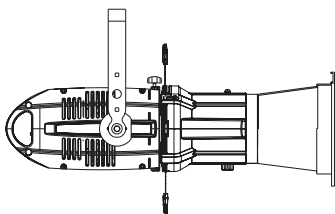
\* with Profile Zoom 28°/40° optic

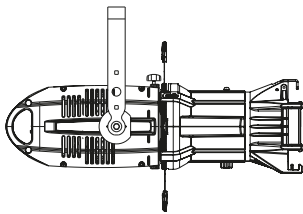


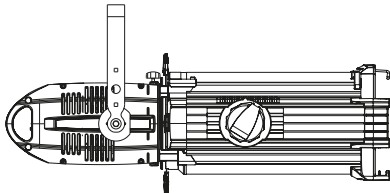
\*Standard gobo holder

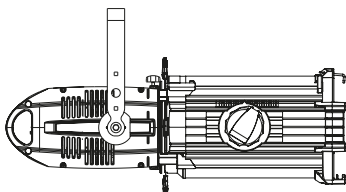
\*Yoke

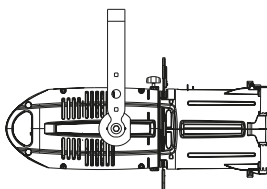
| Product                                                                          | Optics                | Length           | Weight          |
|----------------------------------------------------------------------------------|-----------------------|------------------|-----------------|
|  | Lens Tube Profile 10° | 900 mm (35.4 in) | 9 Kg (19.8 lbs) |

| Product                                                                          | Optics                | Length           | Weight              |
|----------------------------------------------------------------------------------|-----------------------|------------------|---------------------|
|  | Lens Tube Profile 14° | 750 mm (35.4 in) | 9 Kg (19.8 lbs)     |
|                                                                                  | Lens Tube Profile 70° | 750 mm (35.4 in) | 8.68 Kg (19.14 lbs) |

| Product                                                                          | Optics                | Length           | Weight              |
|----------------------------------------------------------------------------------|-----------------------|------------------|---------------------|
|  | Lens Tube Profile 19° | 670 mm (26.3 in) | 9.15 Kg (20.17 lbs) |
|                                                                                  | Lens Tube Profile 26° | 670 mm (26.3 in) | 9.05 Kg (19.95 lbs) |
|                                                                                  | Lens Tube Profile 36° | 670 mm (26.3 in) | 9.35 Kg (20.60 lbs) |
|                                                                                  | Lens Tube Profile 50° | 670 mm (26.3 in) | 9.05 Kg (19.95 lbs) |

| Product                                                                           | Optics               | Length           | Weight               |
|-----------------------------------------------------------------------------------|----------------------|------------------|----------------------|
|  | Profile Zoom 15°-35° | 886 mm (34.9 in) | 13.05 Kg (28.77 lbs) |

| Product                                                                            | Optics               | Length           | Weight              |
|------------------------------------------------------------------------------------|----------------------|------------------|---------------------|
|  | Profile Zoom 25°-50° | 783 mm (30.8 in) | 11.2 Kg (24.69 lbs) |

| Product                                                                            | Optics                            | Length           | Weight              |
|------------------------------------------------------------------------------------|-----------------------------------|------------------|---------------------|
|  | Profile Zoom 28°-40°              | 601 mm (23.7 in) | 8.3 Kg (18.3 lbs)   |
|                                                                                    | Soft Profile Fresnel Zoom 14°-40° | 601 mm (23.7 in) | 7.75 Kg (17.09 lbs) |
|                                                                                    | Soft Profile PC Zoom 11°-38°      | 601 mm (23.7 in) | 8.25 Kg (18.19 lbs) |





Museum - Vasa Museum, Stockholm, Sweden

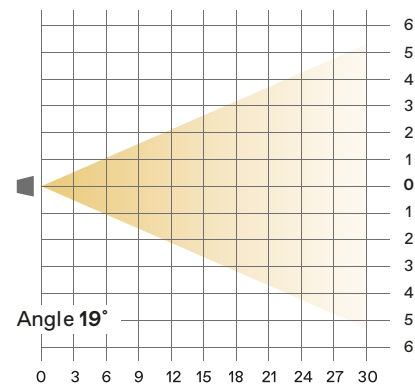
|         |                |
|---------|----------------|
| Product | LEDko T Studio |
| CCT     | 3.200 K        |
| CRI     | >96            |



## LEDko Tungsten CRI &gt; 97 - Lens Tube

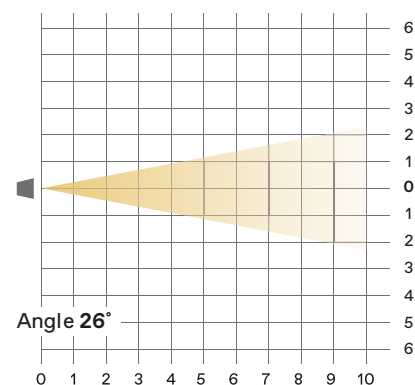
## Optic: Lens Tube 19°

| Distance(m)    | 3      | 6        | 9       | 12   | 15   | 18   | 21   | 24   | 27   | 30    |     |
|----------------|--------|----------|---------|------|------|------|------|------|------|-------|-----|
| lux            | 3.200K | 19.040   | 4760    | 2116 | 1190 | 762  | 529  | 389  | 298  | 235   | 190 |
|                |        |          |         |      |      |      |      |      |      |       |     |
| Diameter Ø (m) | 1,00   | 2,01     | 3,01    | 4,02 | 5,02 | 6,02 | 7,03 | 8,03 | 9,04 | 10,04 |     |
| lux            | 3.200K | CRI 97.2 | TLCI 98 |      |      |      |      |      |      |       |     |



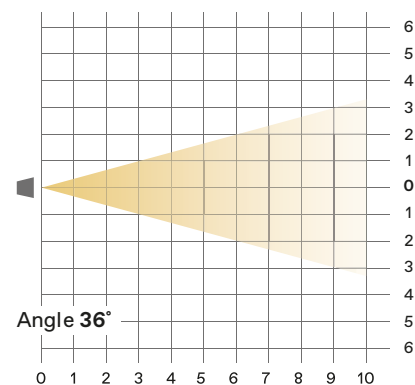
## Optic: Lens Tube 26°

| Distance(m)    | 1      | 2        | 3       | 4      | 5     | 6     | 7     | 8     | 9     | 10    |     |
|----------------|--------|----------|---------|--------|-------|-------|-------|-------|-------|-------|-----|
| lux            | 3.200K | 92.520   | 23.130  | 10.280 | 5.783 | 3.701 | 2.570 | 1.888 | 1.446 | 1.142 | 925 |
|                |        |          |         |        |       |       |       |       |       |       |     |
| Diameter Ø (m) | 0,46   | 0,92     | 1,39    | 1,85   | 2,31  | 2,77  | 3,23  | 3,69  | 4,16  | 4,62  |     |
| lux            | 3.200K | CRI 97.2 | TLCI 97 |        |       |       |       |       |       |       |     |



## Optic: Lens Tube 36°

| Distance(m)    | 1      | 2        | 3       | 4     | 5     | 6     | 7     | 8    | 9    | 10   |     |
|----------------|--------|----------|---------|-------|-------|-------|-------|------|------|------|-----|
| lux            | 3.200K | 46.800   | 11.700  | 5.200 | 2.925 | 1.872 | 1.300 | 955  | 731  | 578  | 468 |
|                |        |          |         |       |       |       |       |      |      |      |     |
| Diameter Ø (m) | 0,65   | 1,30     | 1,95    | 2,60  | 3,25  | 3,90  | 4,55  | 5,20 | 5,85 | 6,50 |     |
| lux            | 3.200K | CRI 97,2 | TLCI 98 |       |       |       |       |      |      |      |     |



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