

High Power

# SEN Louvre CV 035 Fixture Guide



Indoor/Outdoor | Surface | Output up to 2644lm/m (806lm/ft)

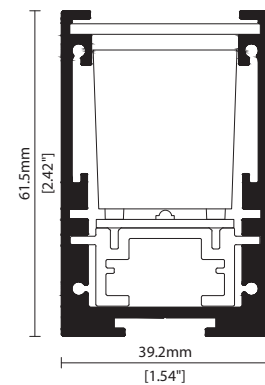


## Key applications

- ✓ Ceiling
- ✓ Ceiling pendant
- ✓ Direct lighting
- ✓ Downlighting
- ✓ Exterior
- ✓ Interior
- ✓ Office lighting
- ✓ Retail display
- ✓ Wall grazing

## Key features

- ✓ Adjustable
- ✓ Custom lengths
- ✓ Constant Voltage (CV)
- ✓ Diffusion: spotting
- ✓ Direct view
- ✓ IP44 moisture resistant
- ✓ IP67 waterproof
- ✓ Lens options



## MOUNTING METHODS



KKBK-02 Fixed bracket



KKBK-09 Mounting plate



KKBK-16 Small adjustable bracket



KKBK-17 Large adjustable bracket



KKBK-23 Low adjustable bracket



KKSU-05 Quick release suspension wire kit



# SEN Louvre CV 035

## Specification sheet



|                       |  |
|-----------------------|--|
| <b>Dimensions</b>     | H61.5/W39.2/L260-2010mm (H2.42/W1.54/L10.24-79.13in) 1260mm (49.60in) max for UL                                       |
| <b>PCB Cut-point</b>  | 250mm (9.84in)   |
| <b>LED Pitch</b>      | 35mm - 28LED/m (1.38in - 9LED/ft)  |
| <b>Chip</b>           | <b>h-line</b>  |
| <b>Cover/Optics</b>   | 10°/20°/30°  |
| <b>CCT</b>            | <b>h-line:</b> 2700K/3000K/3500K/4000K/5000K (90CRI for 2700K/3000K)   |
| <b>LED binning</b>    | <b>h-line:</b> 3-step MacAdam Ellipse<br><b>h-line:</b> 4-step MacAdam Ellipse(5000K)                                  |
| <b>CRI</b>            | ≥ 90 (2700K/3000K)<br>≥ 80 (3500K/4000K/5000K)   |
| <b>Lifetime</b>       | 50,000 hours @ 25°C (50,000 hours @ 77°F)  |
| <b>Operating temp</b> | T <sub>a</sub> = -25 to 45°C (T <sub>c</sub> max = 80°C)<br>T <sub>a</sub> = -13 to 113°F (T <sub>c</sub> max = 176°F) |
| <b>IP Rating</b>      | IP44/67  |
| <b>Finish</b>         | Silver anodised  |
| <b>Mounting</b>       | Surface mounting via brackets  |
| <b>Power feed</b>     | Sheathed hardwire tails or male/female connectors  |
| <b>Control</b>        | 1-10V/DMX/DALI   |



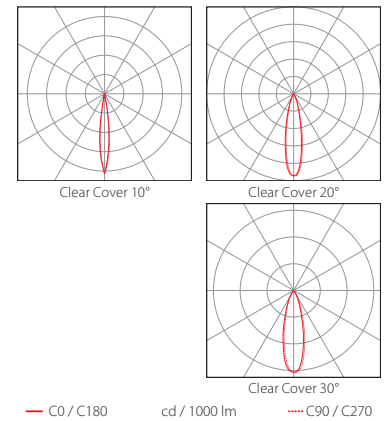
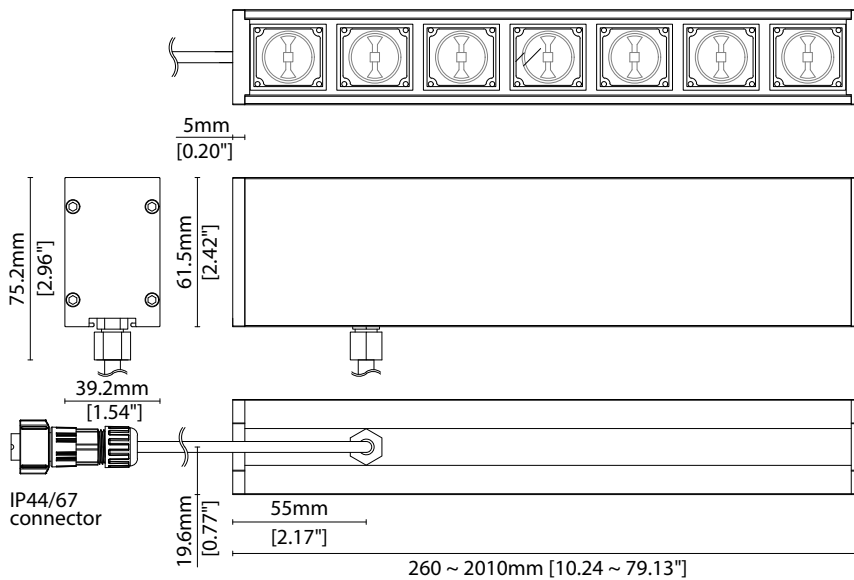
### LED Grading Key

#### Exclusive Grade

|  |             |
|--|-------------|
| <b>h-line*</b>                         | *KKDC tuned |
| Constant Voltage Lensed High Power LED | CCT range   |
| 3-step CCT range                       |             |
| (4-step for 5000K)                     |             |

|                          |                       |                       |
|--------------------------|-----------------------|-----------------------|
| <b>Power consumption</b> | <b>Supply voltage</b> | <b>Supply current</b> |
| 40W/m (12.19W/ft)        | 24V DC                | 1.67A/m (0.51A/ft)    |

|               | Clear Cover 10°                 | Clear Cover 20°                 | Clear Cover 30°                 | CRI | R9 | Rf | Rg |
|---------------|---------------------------------|---------------------------------|---------------------------------|-----|----|----|----|
| <b>h-line</b> | 2188lm/m (667lm/ft)<br>54.7lm/W | 2308lm/m (703lm/ft)<br>57.7lm/W | 2644lm/m (806lm/ft)<br>66.1lm/W | 94  | 65 | -  | -  |



Data derived from independent UKAS/IESNA LM-79-08 accredited testing of production samples.



# SEN Louvre CV 035

## Code Table



### FIXTURE

| Model      | Finish             | Cover/Lens <sup>1</sup> | Grade <sup>2</sup> | LED | Colour (CCT)          | Length Availability <sup>3</sup>     | IP                               | Cable Length                    | Power Feed <sup>4</sup> | Cable Exit <sup>5</sup>   | Lens | Input              |                           |          |      |                                 |   |                                     |      |
|------------|--------------------|-------------------------|--------------------|-----|-----------------------|--------------------------------------|----------------------------------|---------------------------------|-------------------------|---------------------------|------|--------------------|---------------------------|----------|------|---------------------------------|---|-------------------------------------|------|
| SEN Louvre | SV Silver Anodised | Clear                   | B                  | h   | L35                   | 2700K <sup>6</sup> 27                | m 260-2010mm<br>250mm increments | IP44 44<br>IP67 <sup>7</sup> 67 | 1000mm 1000<br>/39.37"  | Single ø6.3mm sheath tail | S00B | Rear Cable Exit RC | 10° 10                    | DC 24V g |      |                                 |   |                                     |      |
|            |                    |                         |                    |     | 3000K <sup>6</sup> 30 | 20° 20                               |                                  |                                 |                         |                           |      |                    |                           |          |      |                                 |   |                                     |      |
|            |                    |                         |                    |     | 3500K 35              | i 10.24-79.13in<br>9.84in increments |                                  |                                 |                         |                           |      |                    | Double ø6.3mm sheath tail |          | D00B | Side Cable Exit <sup>8</sup> SC | 30° 30                                    |                                     |      |
|            |                    |                         |                    |     | 4000K 40              |                                      |                                  |                                 |                         |                           |      |                    |                           |          |      |                                 | (Specify length code OR total run length) | Single ø6.3mm sheath IP67 connector | S67B |
|            |                    |                         |                    |     | 5000K 50              |                                      |                                  |                                 |                         |                           |      |                    |                           |          |      |                                 |   |                                     |      |

<sup>1</sup> Refer to **Cover/Lens Options** on **Options** pages

<sup>2</sup> Refer to **LED Grading Key** on **Specification sheet** page

<sup>3</sup> Refer to **Length Availability List** or enter total run length instead of length code

<sup>4</sup> Refer to **Power Feed Options** on **Options** pages

<sup>5</sup> Refer to **Cable Exit Options** on **Options** pages

<sup>6</sup> 2700K/3000K – 90CRI

<sup>7</sup> Due to the clear, flush potted polyurethane top layer on IP67 SEN a colour shift of +/-20K should be expected

<sup>8</sup> Low adjustable bracket needs side cable exit option

### Code Example:

|            |   |                 |   |       |   |   |   |     |   |       |   |        |      |      |    |               |      |                                     |      |                 |    |     |    |        |   |
|------------|---|-----------------|---|-------|---|---|---|-----|---|-------|---|--------|------|------|----|---------------|------|-------------------------------------|------|-----------------|----|-----|----|--------|---|
| SV         | - | SA              | - | B     | - | h | - | L35 | - | 30    | - | m      | 1010 | -    | 67 | -             | 1000 | -                                   | D67B | -               | RC | -   | 30 | -      | g |
| SEN Louvre |   | Silver Anodised |   | Clear |   | h |   | 035 |   | 3000K |   | 1010mm |      | IP67 |    | 1000mm/39.37" |      | Double ø6.3mm sheath IP67 connector |      | Rear Cable Exit |    | 30° |    | DC 24V |   |

### ACCESSORIES

#### Mounting Accessories

|         |                          |
|---------|--------------------------|
| KKBK-02 | Fixed bracket            |
| KKBK-09 | Mounting plate           |
| KKBK-16 | Small adjustable bracket |
| KKBK-17 | Large adjustable bracket |
| KKBK-23 | Low adjustable bracket   |
| KKSW-05 | Quick release            |

\* Refer to **Mounting accessories** on **Accessories** pages

#### Exterior Junction Boxes

|          |                                   |
|----------|-----------------------------------|
| KKJB-07  | IP67 Slim J-Box                   |
| KKJB-07R | Potting Resin for IP67 Slim J-Box |

\* Refer to **Exterior Junction Boxes** on **Accessories** pages

#### PSU/Driver

1-10V/DALI/DMX

\* Refer to **Driver/PSU Options** page for details or provide requirement and KKDC to offer the suitable option

High Power

# SEN Louvre CV 035

## Length Availability List

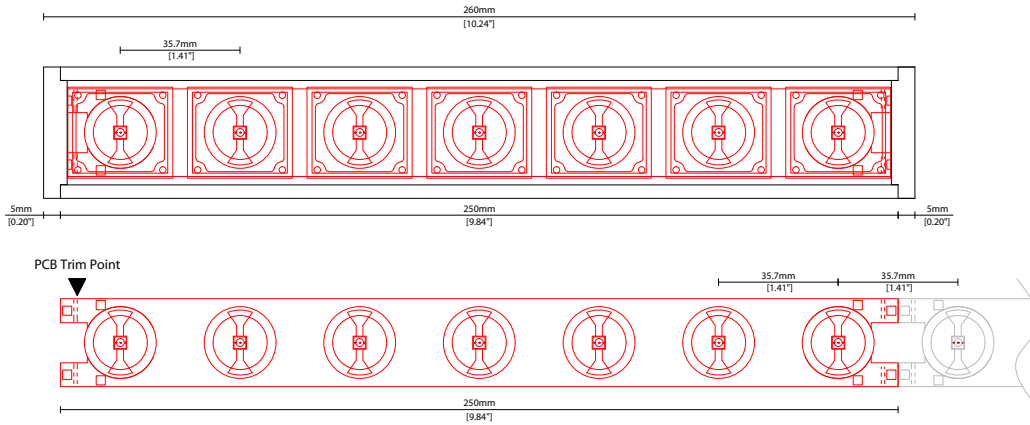


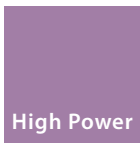
| Length Code |              | Fixture Length <sup>1</sup> |              | LED Strip <sup>2</sup> |              | End Cap Dimension <sup>3</sup> |              | Wattage (W) | Output (lm)          |
|-------------|--------------|-----------------------------|--------------|------------------------|--------------|--------------------------------|--------------|-------------|----------------------|
| Metric      | Imperial(US) | Metric                      | Imperial(US) | Metric                 | Imperial(US) | Metric                         | Imperial(US) |             | 3000K<br>(Test Data) |
| m0260       | i0010        | 260mm                       | 10.24in      | 250mm                  | 9.84in       | 10mm                           | 0.39in       | 12.50       | 726                  |
| m0510       | i0020        | 510mm                       | 20.08in      | 500mm                  | 19.69in      | 10mm                           | 0.39in       | 25.00       | 1453                 |
| m0760       | i0030        | 760mm                       | 29.92in      | 750mm                  | 29.53in      | 10mm                           | 0.39in       | 37.50       | 2179                 |
| m1010       | i0040        | 1010mm                      | 39.76in      | 1000mm                 | 39.37in      | 10mm                           | 0.39in       | 50.00       | 2905                 |
| m1260       | i0050        | 1260mm                      | 49.61in      | 1250mm                 | 49.21in      | 10mm                           | 0.39in       | 62.50       | 3631                 |
| m1510       | i0059        | 1510mm                      | 59.45in      | 1500mm                 | 59.06in      | 10mm                           | 0.39in       | 75.00       | 4358                 |
| m1760       | i0069        | 1760mm                      | 69.29in      | 1750mm                 | 68.90in      | 10mm                           | 0.39in       | 87.50       | 5084                 |
| m2010       | i0079        | 2010mm                      | 79.13in      | 2000mm                 | 78.74in      | 10mm                           | 0.39in       | 100.00      | 5810                 |

<sup>1</sup> Actual total overall length of light fixture (LED strip + end caps + void/wire hole)

<sup>2</sup> Actual length of PCB strip

<sup>3</sup> Actual length of 2x end caps





# SEN Louvre CV 035 Options

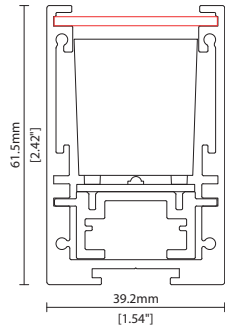


## COVER LENS OPTIONS

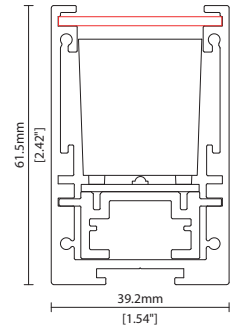
\* Options are an integral part of the fixture ordering codes. Please refer to **Code Table** pages.



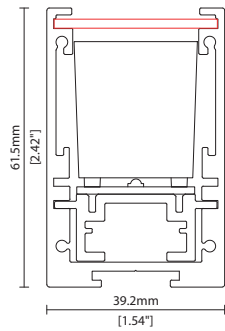
**B 10** Clear cover 10° lens  
W39.2/H43.2mm (W1.54/H1.70")



**B 20** Clear cover 20° lens  
W39.2/H43.2mm (W1.54/H1.70")



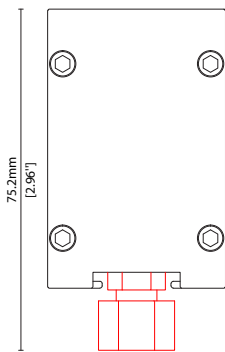
**B 30** Clear cover 30° lens  
W39.2/H43.2mm (W1.54/H1.70")



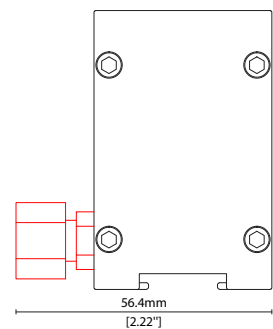
## CABLE EXIT OPTIONS



**RC** Rear cable exit

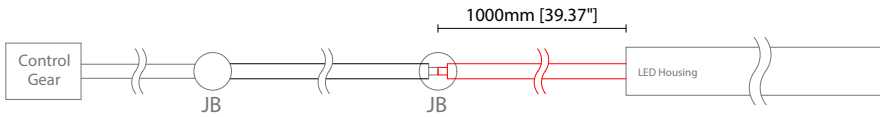


**SC** Side cable exit

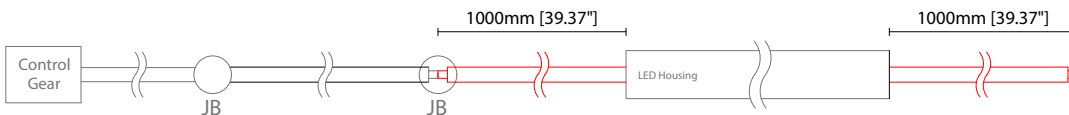


### POWER FEED OPTIONS

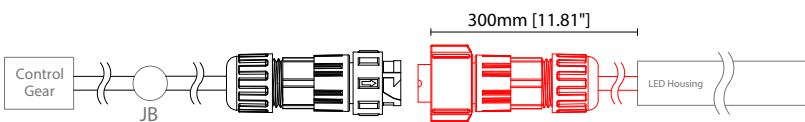
1000 S00B 1000mm (39.37") Single  $\varnothing 6.3$ mm sheath tail



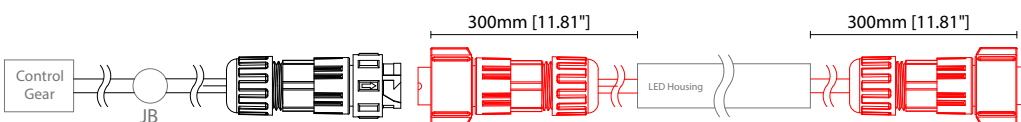
1000 D00B 1000mm (39.37") Double  $\varnothing 6.3$ mm sheath tail



0300 S67B 300mm (11.81") Single  $\varnothing 6.3$ mm sheath IP67 connector

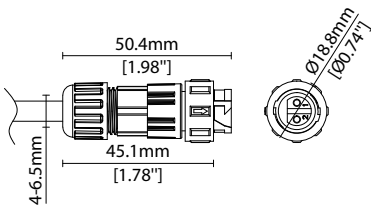


0300 D67B 300mm (11.81") Double  $\varnothing 6.3$ mm sheath IP67 connector

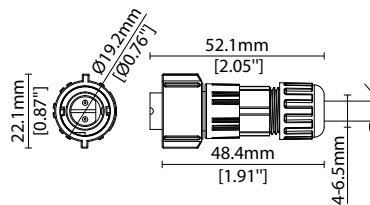


### IP67 2 Pin Connector

Female connector  
2 PIN (IP67)



Male connector  
2 PIN (IP67)



### Key

- Control Gear Power supply, sub-controllers & control systems
- JB Junction box / cable connection

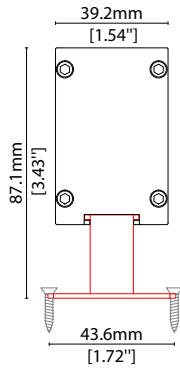
## MOUNTING ACCESSORIES

Note: Accessories are to be ordered separately with corresponding code shown below.



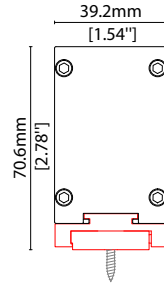
**KKBK-02**

Fixed bracket (allow 2 per metre/40in)  
Steel finish  
Pre-assembled for double tail



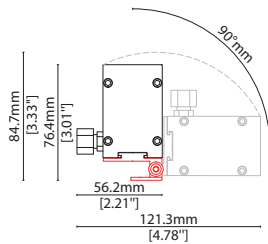
**KKBK-09**

Mounting plate  
(allow 2 per metre/40in – factory fitted)  
Silver anodised aluminium finish  
Pre-assembled for double tail



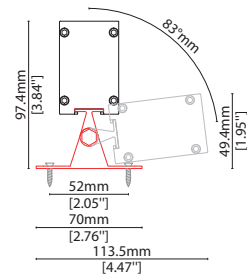
**KKBK-23**

Low adjustable bracket  
(allow 2 per metre/40in)  
Silver anodised aluminium finish  
Pre-assembled for double tail



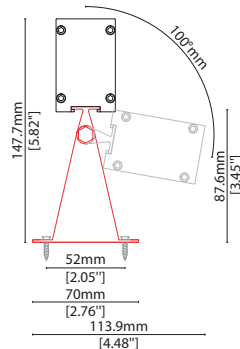
**KKBK-16**

Small adjustable bracket  
(allow 2 per metre/40in)  
Silver anodised aluminium finish  
Pre-assembled for double tail



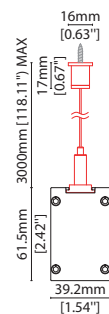
**KKBK-17**

Large adjustable bracket  
(allow 2 per metre/40in)  
Silver anodised aluminium finish  
Pre-assembled for double tail



**KKSU-05**

Quick release suspension wire kit  
(1x pair of cables will support up to 2010mm length).





# SEN Louvre CV 035 Accessories



## EXTERIOR JUNCTION BOXES

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KKJB-07

IP67 Slim J-Box  
(including type A,B,C,D bushings)



KKJB-07R

Potting resin for IP67 Slim J-Box





# SEN Louvre CV 035

## Driver/PSU Options



### AVAILABLE PSU OPTIONS

| Control Mode  | PSU (Order Code) | Input Voltage AC | Output Voltage DC | Rated Output Current | Rated Power | Dim %             | IP Rating |
|---------------|------------------|------------------|-------------------|----------------------|-------------|-------------------|-----------|
| Switched      | CEN-60-24        | 90-295V          | 24V               | 2.5A                 | 60W         | -                 | IP67      |
|               | HLG-60H-24       | 90-305V          | 24V               | 2.5A                 | 60W         | -                 | IP67      |
|               | HLG-100H-24      | 90-305V          | 24V               | 4.0A                 | 100W        | -                 | IP67      |
|               | HLG-150H-24      | 90-305V          | 24V               | 6.3A                 | 150W        | -                 | IP67      |
|               | HLG-240H-24      | 90-305V          | 24V               | 10A                  | 240W        | -                 | IP67      |
| 0-10V (1-10V) | PWM-40-24        | 90-305V          | 24V               | 1.67A                | 40W         | 100-0.15 (100-10) | IP67      |
|               | PWM-60-24        | 90-305V          | 24V               | 2.5A                 | 60W         | 100-0.15 (100-10) | IP67      |
|               | PWM-90-24        | 90-305V          | 24V               | 3.67A                | 90W         | 100-0.15 (100-10) | IP67      |
|               | PWM-120-24       | 90-305V          | 24V               | 5.0A                 | 120W        | 100-0.15 (100-10) | IP67      |
| DALI          | LIN100A1         | 120-277V         | 24V               | 1A per channel       | 100W        | 100-0.1           | IP66/IP40 |
| DMX RGB       | LIN100A1         | 120-277V         | 24V               | 1.33A per channel    | 100W        | 100-0.1           | IP66/IP40 |
| DMX RGBW      | LIN100A1         | 120-277A         | 24V               | 1A per channel       | 100W        | 100-0.1           | IP66/IP40 |

### Flicker Free Options - Combination of PSU+ sub-controller

| Control Mode   | PSU (Order Code) | Sub-controller (Order Code) | Input Voltage AC | Output Voltage DC | Rated Output Current | Rated Power | Dim %   | IP Rating PSU/ Sub-controller |
|----------------|------------------|-----------------------------|------------------|-------------------|----------------------|-------------|---------|-------------------------------|
| 0-10V or 1-10V | CEN-60-24        | KKDM-06                     | 90-295V          | 24V               | 2.5A                 | 60W         | 100-0.9 | IP67/IP20                     |
|                | HLG-60H-24       | KKDM-06                     | 90-295V          | 24V               | 2.5A                 | 60W         | 100-0.9 | IP67/IP20                     |
|                | HLG-100H-24      | KKDM-06                     | 90-295V          | 24V               | 4.0A                 | 100W        | 100-0.9 | IP67/IP20                     |
|                | HLG-150H-24      | KKDM-06                     | 90-295V          | 24V               | 6.3A                 | 150W        | 100-0.9 | IP67/IP20                     |
|                | HLG-240H-24      | KKDM-06                     | 90-295V          | 24V               | 10.0A                | 240W        | 100-0.9 | IP67/IP20                     |
| DALI           | CEN-60-24        | KKDL-02/03                  | 90-295V          | 24V               | 2.5A                 | 60W         | 100-0.1 | IP67/IP20                     |
|                | HLG-60H-24       | KKDL-02/03                  | 90-305V          | 24V               | 2.5A                 | 60W         | 100-0.1 | IP67/IP20                     |
|                | HLG-100H-24      | KKDL-02/03                  | 90-305V          | 24V               | 4.0A                 | 100W        | 100-0.1 | IP67/IP20                     |
|                | HLG-150H-24      | KKDL-02/03                  | 90-305V          | 24V               | 6.3A                 | 150W        | 100-0.1 | IP67/IP20                     |
|                | HLG-240H-24      | KKDL-02/03                  | 90-305V          | 24V               | 10.0A                | 240W        | 100-0.1 | IP67/IP20                     |
| DMX RGB        | CEN-60-24        | KKSC-05                     | 90-295V          | 24V               | 2.5A                 | 60W         | 100-0.9 | IP67/IP20                     |
|                | HLG-60H-24       | KKSC-05                     | 90-305V          | 24V               | 2.5A                 | 60W         | 100-0.9 | IP67/IP20                     |
|                | HLG-100H-24      | KKSC-05                     | 90-305V          | 24V               | 4A                   | 100W        | 100-0.9 | IP67/IP20                     |
|                | HLG-150H-24      | KKSC-05                     | 90-305V          | 24V               | 6.3A                 | 150W        | 100-0.9 | IP67/IP20                     |
|                | HLG-240H-24      | KKSC-05                     | 90-305V          | 24V               | 10.0A                | 240W        | 100-0.9 | IP67/IP20                     |

<sup>1</sup> The items shown above cover the most frequently used specification but does not exhaust the possible options

<sup>2</sup> PSU and/or driver can be chosen from the table, or KKDC may recommend the best option upon receipt of the controls requirement and installation environment

<sup>3</sup> Electrical shop drawing will include detailed information of PSU and relevant control drivers

<sup>4</sup> Cut sheets are available on the controls section of [www.kkdc.lighting](http://www.kkdc.lighting) or upon request