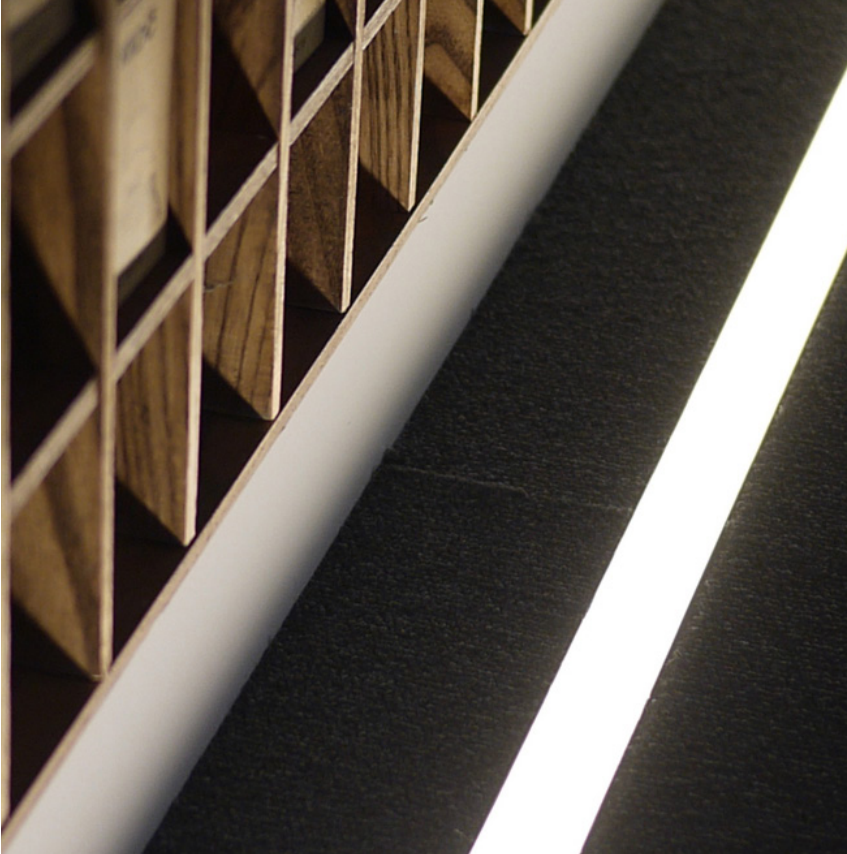


Linear

MOMO Bloc R014 Fixture Guide



Indoor/Outdoor | Recessed | Output up to 300lm/m (91lm/ft)

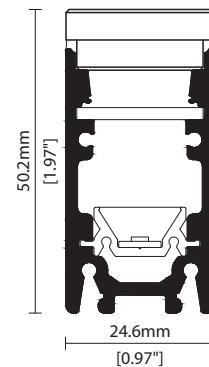


Key applications

- ✓ Architectural detail
- ✓ Direct lighting
- ✓ Exterior
- ✓ In ground
- ✓ Orientation lighting
- ✓ Pathways/driveways
- ✓ Public spaces
- ✓ Uplighting
- ✓ Wall grazing

Key features

- ✓ Custom lengths
- ✓ Constant Voltage (CV)
- ✓ Continuous light runs
- ✓ Diffusion: homogenous
- ✓ Direct view
- ✓ IK08
- ✓ In ground driveover
- ✓ In ground walkover
- ✓ IP67 waterproof



MOUNTING METHODS



KKBG-01 Ground box



KKBG-02 Ground box



KKBG-03 Ground box

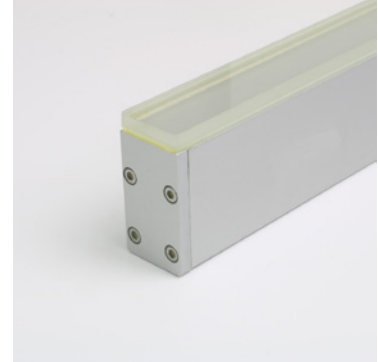
Linear

MOMO Bloc R014

Specification sheet



| | |
|-----------------------|---|
| Dimensions | H50.15/W24.6/L524/1024mm (H1.98/W0.97/L20.63/40.31in) |
| PCB Cut-point | 41.7mm increment/2000mm max (1.64in increment/78.74in max) |
| LED Pitch | 6.95mm-144LED/m (0.27in - 44LED/ft) |
| Chip | s-line k-line |
| Cover/Optics | Frosted glass (78°) |
| CCT | s-line: 2300K/3000K/3400K/4000K/4100K Single colours: Red/Green/Blue/Orange/Amber k-line: 2300K/3000K/3400K/4000K/4100K |
| LED binning | s-line: 2-step MacAdam ellipse k-line: 3-step MacAdam ellipse |
| CRI | ≥ 90 |
| Lifetime | 50,000 hours @ 25°C (50,000 hours @ 77°F) |
| Operating temp | T _a = -25 to 50°C (T _c max = 77.9°C) T _a = -13 to 122°F (T _c max = 172°F) |
| IP Rating | IP67 |
| Finish | Silver/Hard anodised (stainless steel ground box) |
| Mounting | Recessed ground box |
| Power feed | Sheathed hardwire tails or male/female connectors |
| Control | 0-10V/1-10V/DMX/DALI |
| Drive over | EN 60598-2-13:2006+A1:2012 (Static load, Torque and Shear load testing) |
| IK Rating | IEC 62262:2010/IK08 |



LED Grading Key

Exclusive Grade

s **s-line***
2-step CCT range

*KKDC tuned
CCT range

Base Grade

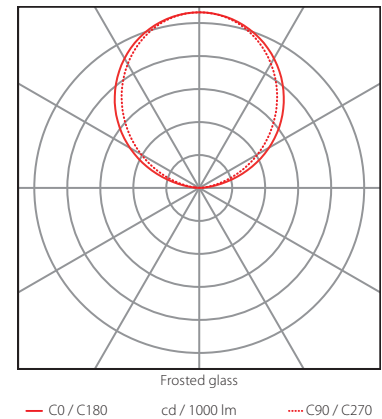
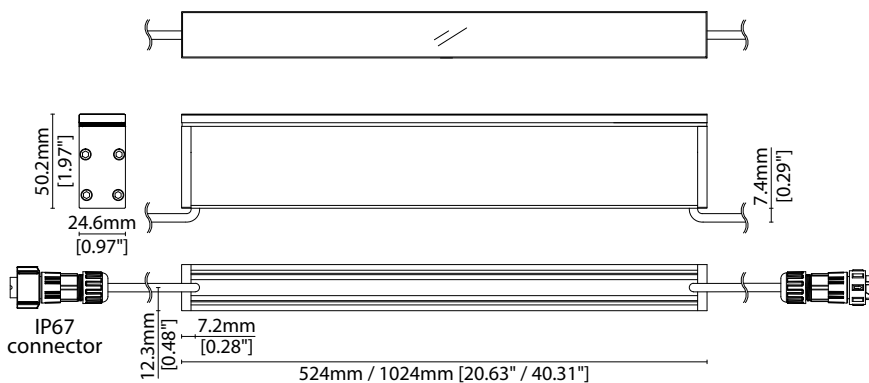
k **k-line**
3-step commercial range
Energy Star CCTs

| | | |
|--------------------------|-----------------------|-----------------------|
| Power consumption | Supply voltage | Supply current |
| 14W/m (4.27W/ft) | 24V DC | 0.58A/m (0.18A/ft) |

Performance Data (3000K)

| | R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 |
|---------------|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|
| k-line | 89 | 93 | 96 | 89 | 86 | 88 | 95 | 82 | 52 | 82 | 88 | 65 | 90 | 97 |

| | Frosted | CRI | R9 | Rf | Rg |
|---------------|-------------------------------|-----|----|----|----|
| s-line | 300lm/m (91lm/ft) 21.4lm/W | 91 | 53 | - | - |
| k-line | 283lm/m (86lm/ft) 20.2lm/W | 90 | 52 | - | - |



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

FIXTURE

| Model | Finish | Cover ¹ | Grade ² | LED | Colour (CCT) | Length Availability ³ | IP | Cable Length | Power Feed ⁴ | Input | | | | | |
|-----------|----------------------------------|---------------------|--------------------|-------|----------------------------------|----------------------------------|-----------------|--------------|-------------------------|---------------|------|---------------------------|-------------------------------------|--------|--------|
| MOMO Bloc | BL Silver Anodised | SA Frosted Glass | M | s | R014 | 2300K (2100K PCB) ⁶ | m 524/1024mm | IP67 | 67 | 300mm/11.81" | 0300 | Single ø4.3mm sheath tail | S00A | DC 24V | |
| | | | | | R014 | 3000K (2500K PCB) ⁶ | i 20.63/40.31in | | 1000 | 1000mm/39.37" | 1000 | Double ø4.3mm sheath tail | D00A | | |
| | HA Hard Anodised ⁵ | M | s | R014 | 3400K (2700K PCB) ⁶ | 34 | IP67 | 67 | 300mm/11.81" | 0300 | 1000 | 1000mm/39.37" | Single ø4.3mm sheath IP67 connector | S67A | DC 24V |
| | | | | R014 | 4000K (3000K PCB) ⁶ | 40 | | | | | | | Double ø4.3mm sheath IP67 connector | D67A | |
| | | | | R014 | 4100K (3200K PCB) ^{6,7} | 41 | | | | | | | | | |
| | | | | RED | RED | s-only | | | | | | | | | |
| | | | | GREEN | GRN | | | | | | | | | | |
| | | | | BLUE | BLU | | | | | | | | | | |
| | ORANGE | ORN | | | | | | | | | | | | | |
| | AMBER | AMB | | | | | | | | | | | | | |

¹ Refer to **Cover/Lens Options** on **Options** pages

² Refer to **LED Grading Key** on **Specification sheet** page

³ Refer to **Length Availability List** or enter total run length instead of length code

⁴ Refer to **Power Feed Options** on **Options** pages

⁵ Hard anodised finish reduces light output by an average of 30%

⁶ Actual colour temperature after colour shift caused by silicone potting

⁷ 4100K (3200K PCB) is only available in k-line

Code Example:

| | | | | | | | | | | | | | | | | | | | | | |
|-----------|---|-----------------|---|---------------|---|---|---|------|---|-------------------|---|-------|-----|------|----|--------------|------|---------------------------|------|--------|---|
| BL | - | SA | - | M | - | s | - | R014 | - | 40 | - | m | 524 | - | 67 | - | 0300 | - | D00A | - | g |
| MOMO Bloc | | Silver Anodised | | Frosted Glass | | | | R014 | | 4000K (3000K PCB) | | 524mm | | IP67 | | 300mm/11.81" | | Double ø4.3mm sheath tail | | DC 24V | |

ACCESSORIES

Mounting Accessories

| | |
|---------|---------------|
| KKBG-01 | Ground box 01 |
| KKBG-02 | Ground box 02 |
| KKBG-03 | Ground box 03 |

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

Connection Accessories

| | |
|--------------|--|
| CN67-2P-0300 | IP67 2 PIN male & female 300mm/11.81" pair |
| CN67-2P-1000 | IP67 2 PIN male & female 1000mm/39.37" pair |
| CN67-2P-3000 | IP67 2 PIN male & female 3000mm/118.11" pair |

* Refer to **Power feed** 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

0-10V/1-10V/DALI/DMX

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

LED ENGINE VARIANTS (LED STRIP TYPE)

| Colour | LED | Lumen/m | Lumen/ft | W/m | W/ft | Spec Doc | Length |
|------------|------|--|---------------------------------------|------|------|----------------|----------------------------|
| Single CCT | R007 | 145 | 44 | 7 | 2.13 | MOMO Bloc R007 | 524/1024mm (20.63/40.31in) |
| | R014 | 300 | 91 | 14 | 4.27 | MOMO Bloc R014 | 524/1024mm (20.63/40.31in) |
| | R020 | 444 | 135 | 20 | 6.10 | MOMO Bloc R020 | 524/1024mm (20.63/40.31in) |
| RGB | 501 | Red 30 Green 88 Blue 14 RGB 127 | Red 9 Green 27 Blue 4 RGB 39 | 15.6 | 4.75 | MOMO Bloc RGB | 524/1024mm (20.63/40.31in) |

* Performance data: s-line, frosted glass, 3000K

MOMO Bloc R014

Length Availability List

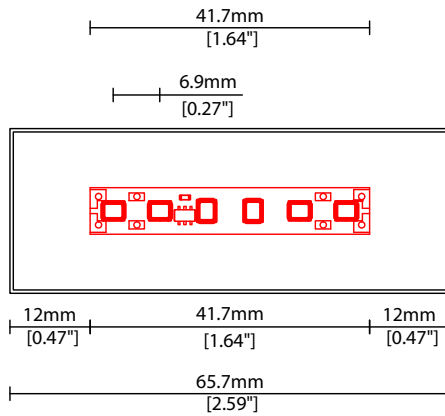


| Length Code | | Fixture Length ¹ | | LED Strip ² | | End Cap Dimension ³ | | Wattage (W) | Output (lm) |
|-------------|--------------|-----------------------------|--------------|------------------------|--------------|--------------------------------|--------------|-------------|-------------------|
| Metric | Imperial(US) | Metric | Imperial(US) | Metric | Imperial(US) | Metric | Imperial(US) | | 3000K (Test Data) |
| m0520 | i0020 | 524mm | 20.63in | 500mm | 19.69in | 10mm | 0.39in | 7.00 | 141 |
| m1020 | i0040 | 1024mm | 40.31in | 1000mm | 39.37in | 10mm | 0.39in | 14.00 | 283 |

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

² Actual length of PCB strip

³ Actual length of 2x end caps



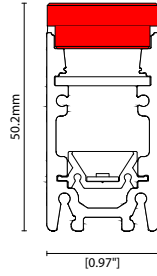
Linear

MOMO Bloc R014 Options

KKDC

COVER/LENS OPTIONS

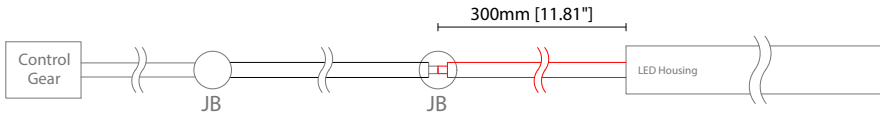
* Options are an integral part of the fixture ordering codes. Please refer to **Code Table** pages.



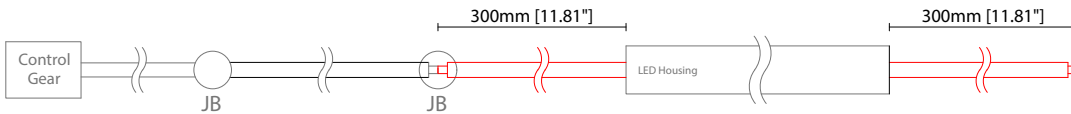
M Frosted Glass Cover
W24.6/H50.2mm (W0.97/H1.97")

POWER FEED OPTIONS

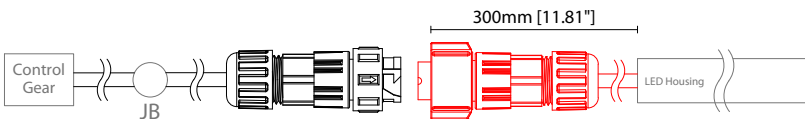
0300 S00A 300mm (11.81") Single Ø4.3mm sheath tail



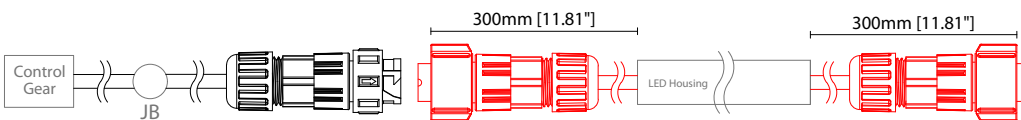
0300 D00A 300mm (11.81") Double Ø4.3mm sheath tail



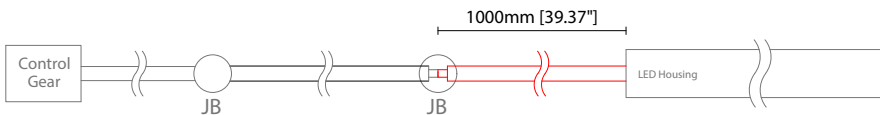
0300 S67A 300mm (11.81") Single ø4.3mm sheath IP67 connector



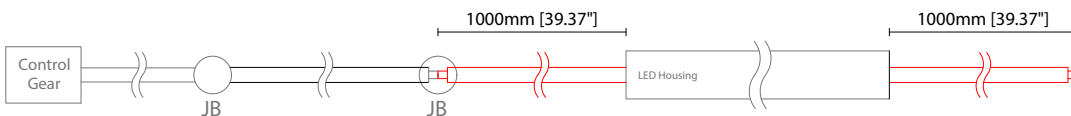
0300 D67A 300mm (11.81") Double ø4.3mm sheath IP67 connector



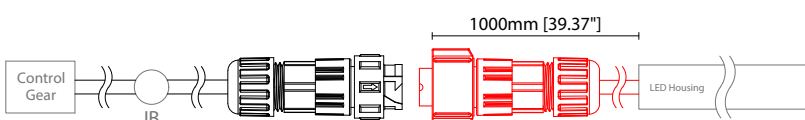
1000 S00A 1000mm (39.37") Single Ø4.3mm sheath tail



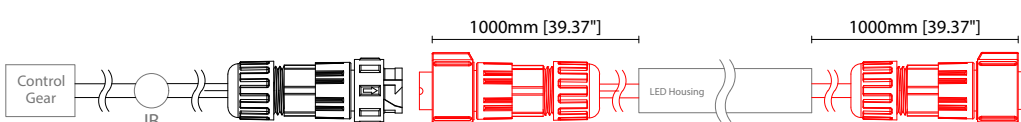
1000 D00A 1000mm (39.37") Double Ø4.3mm sheath tail



1000 S67A 1000mm (39.37") Single ø4.3mm sheath IP67 connector



1000 D67A 1000mm (39.37") Double ø4.3mm sheath IP67 connector



Key

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

Linear

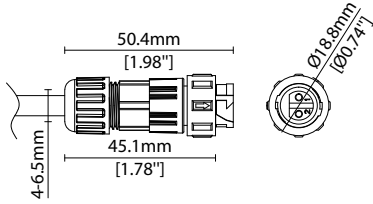
MOMO Bloc R014 Options



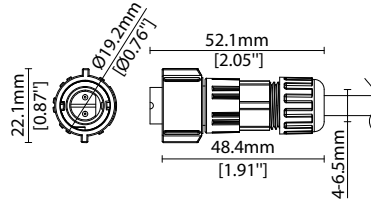
POWER FEED OPTIONS (CONTINUED)

IP67 2 Pin Connector

Female connector
2 PIN (IP67)



Male connector
2 PIN (IP67)



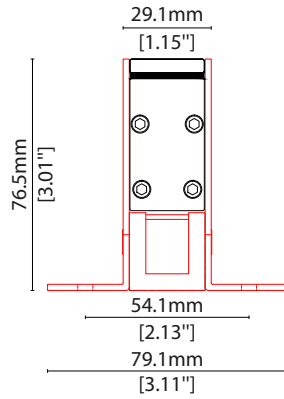
MOUNTING ACCESSORIES

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



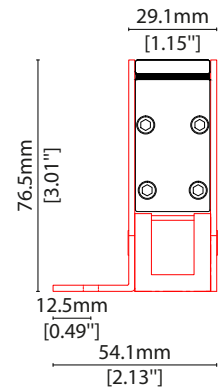
KKBG-01 *

Ground box 01
Stainless steel finish
W79.1/H76.5mm (W3.11/H3.01")
* Specify length to match BLOC



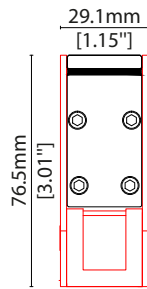
KKBG-02 *

Ground box 02
Stainless steel finish
W54.1/H76.5mm (W2.13/H3.01")
* specify length to match BLOC

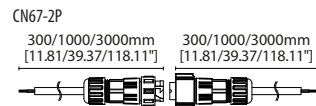


KKBG-03 *

Ground box 03
Stainless steel finish
W29.1/H76.5mm (W1.15/H3.01")
* specify length to match BLOC



POWER FEED



CN67-2P-0300 300mm (11.81in) pair
CN67-2P-1000 1000mm (39.37in) pair
CN67-2P-3000 3000mm (118.11in) pair

IP67

2 PIN male + female connector set

Linear

MOMO Bloc R014 Accessories

KKDC

EXTERIOR JUNCTION BOXES



KKJB-07

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



KKJB-07R

Potting resin for IP67 Slim J-Box

KKDC CONTROL



KKDM-06 1-10V

visDIM dimmable sub-controller
(4 x 8A max @ 12-36V)

IP20
Plastic housing
L170/W59/H29mm
(L6.69/W2.32/H1.14in)



KKSC-05 DMX

visDIM dimmable sub-controller
(4 x 5A max @ 12-36V)

IP20
Plastic housing
L170/W53.4/H28mm
(L6.69/W2.10/H1.10in)



KKDL-02 DALI

visDIM dimmable sub-controller
(4 x 8A max @ 12-36V)

IP20
Plastic housing
L170/W59/H29mm
(L6.69/W2.32/H1.14in)



KKDL-03 DALI

visDIM dimmable sub-controller
(4 x 5A max @ 12-36V)

IP20
Plastic housing
L166/W53.4/H23mm
(L6.54/W2.10/H0.91in)

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 |

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

² 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

³ Electrical shop drawing will include detailed information of PSU and relevant control drivers

⁴ Cut sheets are available on the controls section of www.kkdc.lighting or upon request