

econoFLEX SERIES



Hawko Economical LED Strip Lighting

Beginning in 1983, Hawko Lighting has become a market leader in Australian made high quality low voltage lighting. The arrival of LED as an affordable light source has seen our engineers focus on developing a range of LED flex using quality components to meet our own exacting specifications and manufacturing processes to deliver an exceptional range to the Australian market. Over this time we have seen a key area of the market not catered for very well, and that is the residential and light commercial market. Often we see failed strips, miscoloured LED's and other issues with flex strips that are installed in apartment buildings, light commercial & high end residential projects.

Our team had enough of seeing this, so at the start of 2017 we challenged our engineers to come up with a range of flexible strips that would resolve these issues and deliver the best possible value for money.

As a result, we are proud to introduce the Hawko econoFLEX range. Our mission with this product line was very simple - offer the same high quality components that we are accustomed to at a lower price point to fill the gap in the market for a high quality commercial grade strip.

With all econoFLEX strips you get:

- A wide range of lumen output options from 300 lumens per metre up to 1800 lumens per metre to meet the illumination requirements of any project.
- An extensive colour temperature range of 2700k, 3000k, 4000k and 6000k available
- Minimum CRI90 colour rendering
- 3-Step MacAdam Ellipse & single binning for precise LED chip colour tolerance
- Up to 180 LED's per metre to give homogenous dot free lighting appearance where required

Not only did our engineers focus solely on the strips, but also how we deliver them and what accessories we can offer to help make installation and control of the strips easier than ever before.

Alongside the econoFLEX strips we offer:

- A wide variety of non-dim and dimmable drivers (phase, 1-10v, DALI and even Casambi Bluetooth ready dimming available) in both IP20 and IP67 weatherproof options
- IP20 econoFLEX strips in reel lengths up to 40 metres so that cutting to size on site is easier than ever before
- A range of micro LED extrusions that offer recessed, surface mount and suspended options all in 2.5mtr lengths – no more buying 5mtr reels of LED flex and having to purchase 2.9mtr lengths of extrusion
- For customers that do not want full reels, we offer pre-cut to size lengths done locally at our Sunshine Coast, Queensland factory making installation onsite quicker than ever before
- 3 Years Warranty

Take a closer look through our econoFLEX and accessories range now at www.hawko.com.au/led-flex.html. Please contact your local Hawko representative for more information.

ECONOFLEX 4.8w/mtr

hawko



Voltage:
24v D.C. Input

CRI:
CRI90

Cut Increment:
100mm

IP Rating:
IP20 Indoor Use Only, IP67 Weatherproof

LED Flex Length:
5mtr Runs Max

Warranty:
3 Years

LED QTY:
60 LED's/Mtr

Efficacy:
87.5lm/w (4k)

Operating Temperature
-20 to +60 degrees Celsius

LED Type
Epistar 2016 CRI90 LED chip with 120 degree beam

Lifetime
70% lumen maintenance at 35,000 hours
(L70 B10 >35,000hrs)

Mounting
Heatsink required. All LED strips must be installed on an aluminium heatsink.

Lengths Available
IP20 5 Metres
IP20 40 Metres (Maximum Length Powered 5 Metres)
IP67 5 Metres

LED Quality
3 Step MacAdam Ellipse

Size



LED Colour & Output

| Colour Temp | Lumen's Per Metre | Colour Name |
|-------------|-------------------|---------------|
| 2700k | 220lm | Warmer White |
| 3000k | 320lm | Warm White |
| 4000k | 420lm | Natural White |
| 6000k | 520lm | Pure White |

ORDER CODE

LED Flex — IP Rating & Length — LED Colour

ECONOFLEX4.8

520 5 Metres IP20

27K 2700k

4020 40 Metres IP20

3K 3000k

567 5 Metres IP67

4K 4000k

6K 6000k

Example: ECONOFLEX4.8 — 567 — 6K

IES
AVAILABLE

RoHS
COMPLIANT

3 YEARS
WARRANTY

24v
INPUT

90
CRI

CE

ECONOFLEX 9.6w/mtr

hawko

**Voltage:**

24v D.C. Input

CRI:

CRI90

Cut Increment:

50mm

IP Rating:

IP20 Indoor Use Only, IP67 Weatherproof

LED Flex Length:

5mtr Runs Max

Warranty:

3 Years

LED QTY:

120 LED's/Mtr

Efficacy:

87.5lm/w (4k)

Operating Temperature

-20 to +60 degrees Celsius

LED Type

Epistar 2016 CRI90 LED chip with 120 degree beam

Lifetime70% lumen maintenance at 35,000 hours
(L70 B10 >35,000hrs)**Mounting**

Heatsink required. All LED strips must be installed on an aluminium heatsink.

Lengths AvailableIP20 5 Metres
IP20 40 Metres (Maximum Length Powered 5 Metres)
IP67 5 Metres**LED Quality**

3 Step MacAdam Ellipse

Size

LED Colour & Output

| Colour Temp | Lumen's Per Metre | Colour Name |
|-------------|-------------------|---------------|
| 2700k | 640lm | Warmer White |
| 3000k | 740lm | Warm White |
| 4000k | 840lm | Natural White |
| 6000k | 940lm | Pure White |

ORDER CODE

LED Flex — IP Rating & Length — LED Colour

ECONOFLEX9.6

520 5 Metres IP20

27K 2700k

4020 40 Metres IP20

3K 3000k

567 5 Metres IP67

4K 4000k

6K 6000k

Example: ECONOFLEX9.6 — 567 — 6K

IES
AVAILABLERoHS
COMPLIANT3 YEARS
WARRANTY24v
INPUT90
CRI

CE

ECONOFLEX 14.4w/mtr

hawko

**Voltage:**

24v D.C. Input

CRI:

CRI90

Cut Increment:

50mm

IP Rating:

IP20 Indoor Use Only, IP67 Weatherproof

LED Flex Length:

5mtr Runs Max

Warranty:

3 Years

LED QTY:

120 LED's/Mtr

Efficacy:

87.5lm/w (4k)

Operating Temperature

-20 to +60 degrees Celsius

LED Type

Epistar 2016 CRI90 LED chip with 120 degree beam

Lifetime70% lumen maintenance at 35,000 hours
(L70 B10 >35,000hrs)**Mounting**

Heatsink required. All LED strips must be installed on an aluminium heatsink.

Lengths AvailableIP20 5 Metres
IP20 40 Metres (Maximum Length Powered 5 Metres)
IP67 5 Metres**LED Quality**

3 Step MacAdam Ellipse

Size

LED Colour & Output

| Colour Temp | Lumen's Per Metre | Colour Name |
|-------------|-------------------|---------------|
| 2700k | 1060lm | Warmer White |
| 3000k | 1160lm | Warm White |
| 4000k | 1260lm | Natural White |
| 6000k | 1360lm | Pure White |

ORDER CODE

LED Flex — IP Rating & Length — LED Colour

ECONOFLEX14.4

520 5 Metres IP20

27K 2700k

4020 40 Metres IP20

3K 3000k

567 5 Metres IP67

4K 4000k

6K 6000k

Example: ECONOFLEX14.4 — 567 — 6K

IES
AVAILABLERoHS
COMPLIANT3 YEARS
WARRANTY24v
INPUT90
CRI

CE

ECONOFLEX 19.2w/mtr

hawko

**Voltage:**

24v D.C. Input

CRI:

CRI90

Cut Increment:

25mm

IP Rating:

IP20 Indoor Use Only, IP67 Weatherproof

LED Flex Length:

5mtr Runs Max

Warranty:

3 Years

LED QTY:

240 LED's/Mtr

Efficacy:

87.5lm/w (4k)

Operating Temperature

-20 to +60 degrees Celsius

LED Type

Epistar 2016 CRI90 LED chip with 120 degree beam

Lifetime70% lumen maintenance at 35,000 hours
(L70 B10 >35,000hrs)**Mounting**

Heatsink required. All LED strips must be installed on an aluminium heatsink.

Lengths AvailableIP20 5 Metres
IP20 40 Metres (Maximum Length Powered 5 Metres)
IP67 5 Metres**LED Quality**

3 Step MacAdam Ellipse

Size

LED Colour & Output

| Colour Temp | Lumen's Per Metre | Colour Name |
|-------------|-------------------|---------------|
| 2700k | 1480lm | Warmer White |
| 3000k | 1580lm | Warm White |
| 4000k | 1680lm | Natural White |
| 6000k | 1780lm | Pure White |

ORDER CODE

LED Flex — IP Rating & Length — LED Colour

ECONOFLEX19.2

520 5 Metres IP20

27K 2700k

4020 40 Metres IP20

3K 3000k

567 5 Metres IP67

4K 4000k

6K 6000k

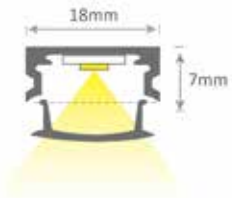
Example: ECONOFLEX19.2 — 567 — 6K

IES
AVAILABLERoHS
COMPLIANT3 YEARS
WARRANTY24v
INPUT90
CRI

CE

PROFILES

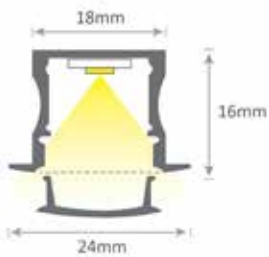
18 SLIM



- Mounting:** Surface Mounting C/W Mounting Clips
- Finish:** Silver Anodised Finish
- Diffuser:** Opal Diffuser
- IP Options:** IP20 Only
- Length:** 2.5Mtrs



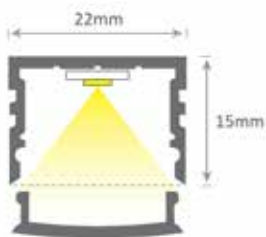
18 RECESSED



- Mounting:** Recessed
- Finish:** Silver Anodised Finish
- Diffuser:** Opal Diffuser
- IP Options:** IP20 Only
- Length:** 2.5Mtrs
- Cut-Out:** 20mm (W) x total length plus 2mm (L)



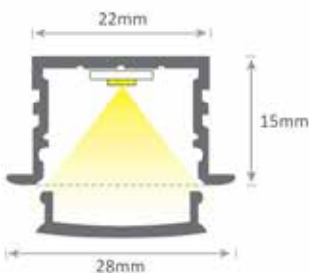
22 SQUARE



- Mounting:** Surface Mounting C/W Mounting Clips
- Finish:** Silver Anodised Finish
- Diffuser:** Opal Diffuser
- IP Options:** IP20 & IP67
- Length:** 2.5Mtrs



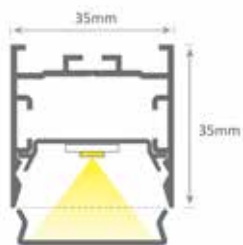
22 RECESSED



- Mounting:** Recessed
- Finish:** Silver Anodised Finish
- Diffuser:** Opal Diffuser
- IP Options:** IP20 & IP67
- Length:** 2.5Mtrs
- Cut-out:** 24mm (W) x total length plus 2mm (L)



36 SQUARE



Mounting: Surface Mounting C/W Mounting Clips & Wire Suspended

Finish: White or Black Powder Coat

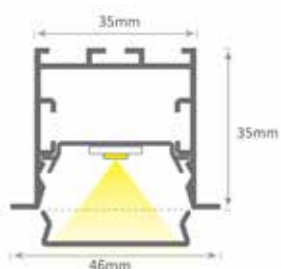
Diffuser: Opal Diffuser

IP Options: IP20 & IP67

Length: 2.5Mtrs



36 RECESSED



Mounting: Recessed C/W Spring Brackets

Finish: White or Black Powder Coat

Diffuser: Opal Diffuser

IP Options: IP20 & IP67

Length: 2.5Mtrs

Cut-Out: 40mm (W) x total length plus 5mm (L)



ADDITIONAL INFORMATION:

- Aluminium extruded profile creates heatsink for LED heat dispersion
- Lengths can butt together to make larger lengths if required
- More profile sizes available upon request

ORDER CODE

| Profile | Finish | Installation |
|------------------|---------------------|--------------------|
| 18SL 18 SLIM | NA Natural Anodised | SM Surface Mounted |
| 18RC 18 RECESSED | BK Black | RC Recessed |
| 22SQ 22 SQUARE | WH White | WS Wire Suspended |
| 22RC 22 RECESSED | | |
| 38SQ 36 SQUARE | | |
| 36RC 36 RECESSED | | |

Example: 22SQ — NA — SM

OPTIONS AVAILABLE

| | 18 SLIM | 18 RECESSED | 22 SQUARE | 22 RECESSED | 36 RECESSED | 36 SQUARE |
|---------------------|---------|-------------|-----------|-------------|-------------|-----------|
| IP RATING AVAILABLE | | | | | | |
| IP 20 | ● | ● | ● | ● | ● | ● |
| IP 67 | | | ● | ● | ● | ● |
| FINISHES AVAILABLE | | | | | | |
| Natural Anodised | ● | ● | ● | ● | | |
| Black | | | | | ● | ● |
| White | | | | | ● | ● |
| MOUNTING OPTIONS | | | | | | |
| Surface Mounted | ● | | ● | | | ● |
| Recessed | | ● | | ● | ● | |
| Wire Suspended | | | | | | ● |





DRIVERS & CONTROLLERS

MeanWell Non Dim Outdoor IP67 Drivers

HLG Driver

- Built-in active PFC function
- Protections: Short circuit/over voltage/ over temperature
- Cooling by free air convection
- Compliance to worldwide safety regulations for lighting
- 7 year manufacturers warranty
- Comes Standard with Flex & Plug
- All drivers are Non-Dim



ORDER CODE

| 24v Driver Options | 40w | 80w | 120w | 150w | 240w | 320w |
|--------------------|--------|--------|---------|---------|---------|---------|
| Order Code | HLG-40 | HLG-80 | HLG-120 | HLG-150 | HLG-240 | HLG-320 |

MeanWell Dimmable Outdoor IP67 Drivers

PWM Driver

- Built-in active PFC function
- 1- 10v Dimmable
- Constant voltage PWM style output
- Protections: Short circuit/over voltage/ over temperature
- Cooling by free air convection
- Compliance to worldwide safety regulations for lighting
- 5 year manufacturers warranty
- Comes Standard with Flex & Plug
- 120w option can be 1-10v or DALI dimmable



ORDER CODE

| 24v Driver Options | 40w | 60w | 90w | 120w |
|--------------------|--------|--------|--------|---------|
| Order Code | PWM-40 | PWM-60 | PWM-90 | PWM-120 |

Tridonic Non Dim Indoor IP20 Drivers

ESSENCE Driver

- Constant voltage LED Driver
- Output voltage 24v
- Dimmable via PWM LED dimmers
- Nominal life-time up to 50,000 hours
- 5 years manufacturers warranty
- Comes Standard with Flex & Plug

ORDER CODE

| | | |
|---------------------------|-------|--------|
| 24v Driver Options | 60w | 100w |
| Order Code | TE-60 | TE-100 |



Tridonic Dimmable Indoor IP20 Drivers

PREMIUM Driver

- Dimmable 24v constant voltage LED driver for flexible constant voltage strip
- One4all interface and ready2mains enable different dimming options
- No additional external dimmer needed
- Suitable for emergency escape lighting systems
- Nominal life-time up to 50,000 hours
- 5 years manufacturers warranty
- Comes Standard with Flex & Plug
- 35w, 60w, 100w or 150w options available

ORDER CODE

| | | | | |
|---------------------------|-------|-------|--------|--------|
| 24v Driver Options | 35w | 60w | 100w | 150w |
| Order Code | TP-40 | TP-60 | TP-100 | TP-150 |



Manual Inline Dimmer



This small but powerful dimmer sits in line between your 12VDC or 24VDC constant voltage driver and LED modules and smoothly PWM dims from a range of 5%-100%. It is a single channel unit that is great for manually setting the brightness and walking away.

Order Code HLC-DIM

1 - 10v Wall Dimmer



The HLC-LD30 Pot dimmer is an analogue 1-10v DC dimming switch controller. Compatible with most Clipsal and HPM wall plates, when used in conjunction with any of the "PWM" series dimmable Meanwell drivers can give you total manual control over your dimming requirements.

Order Code HLC-L030



basicDIM CASAMBI Ready Bluetooth Module



- Compatible with any 1-10v/DALI Meanwell or Tridonic drivers
- Wireless controllable with an Android / iOS smart device
- No need for an external gateway device
- Forms automatically a wireless communication network with up to 127 nodes
- Small form factor for luminaire installation
- Configurable analog / digital output
- Analog output: 0 – 10 V / 1 – 10 V sinking / sourcing
- Digital output: Standalone DALI (compatible)
- Controllable switched mains output
- Device firmware can be updated over-the-air
- 5-year warranty

Order Code **HLC-CRWM**

CASAMBI Bluetooth Wall Mount Controller



- Battery powered, wireless wall switch
- Controls all types of basicDIM modules and light fixtures
- 4 scenes
- Dim up/down
- Colour temperature control
- 5 year warranty

Order Code **HLC-WMWC**





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