

CoolLED

PRO

Premium LED DRIVERS

Unlock your product potential with the NEW CLi series

- Ultra Low Flicker
- Low Dimming to 0.1%
- Smooth Dim to Off
- 100-1400mA Programmable
- Power Range 1W to 40W
- Wireless Control Options
- Corridor & Push Dim Function



Constant Current | High Performance | Flexible Design | Programmable  
Compact Design | Superior Light Quality

ULTRA

LOW  
DIMMING

FLICKER  
FREE

SMOOTH  
DIMMING

COMPACT

PRO

5 YEAR  
WARRANTY

CoolLED

PRO

15W

CB  
Scheme

- Fits through a 40mm hole.
- Supports from as low as 1 single LED.
- Isolated output.
- Smooth dimming to 0.1%.
- Touch/push-to-dim function as standard.
- Corridor/Switch dim function as standard.
- Exceptionally low LED flicker  
Near perfect light quality.
- Wireless ready  
Contact us for further information.

## CLi 15 DALI/Touch/Corridor Dimmable

15W

| Part number        | Programmable Current Range | LED String Voltage | Max. Tc Temperature | Ambient Temperature Range | Thermal Trip (Self - resetting) | Maximum Power | Power factor at full load | Efficiency at full load | Minimum Dimmed Current |
|--------------------|----------------------------|--------------------|---------------------|---------------------------|---------------------------------|---------------|---------------------------|-------------------------|------------------------|
| CLi15-D01-240/xxxx | 100 - 1050mA (±5)          | 2.5V to 38V        | 80°C                | -25 - 50°C                | 100°C                           | 15W           | 0.97                      | 85%                     | 1mA                    |
| CLi15-D02-240/xxxx | 100 - 700mA (±5)           | 4.5V to 52V        | 80°C                | -25 - 50°C                | 100°C                           | 15W           | 0.97                      | 85%                     | 1mA                    |
| CLi15-D05-240/xxxx | 100 - 1050mA (±5)          | 2.5V to 38V        | 80°C                | -25 - 50°C                | 100°C                           | 15W           | 0.97                      | 85%                     | 350µA                  |
| CLi15-D06-240/xxxx | 100 - 700mA (±5)           | 4.5V to 52V        | 80°C                | -25 - 50°C                | 100°C                           | 15W           | 0.97                      | 85%                     | 350µA                  |

## CLi 15 0-10V/1-10V Analogue Dimmable

15W

| Part number        | Programmable Current Range | LED String Voltage | Max. Tc Temperature | Ambient Temperature Range | Thermal Trip (Self - resetting) | Maximum Power | Power factor at full load | Efficiency at full load | Minimum Dimmed Current |
|--------------------|----------------------------|--------------------|---------------------|---------------------------|---------------------------------|---------------|---------------------------|-------------------------|------------------------|
| CLi15-A01-240/xxxx | 100 - 1050mA (±5)          | 2.5V to 38V        | 80°C                | -25 - 50°C                | 100°C                           | 15W           | 0.97                      | 85%                     | 350µA                  |
| CLi15-A02-240/xxxx | 100 - 700mA (±5)           | 4.5V to 52V        | 80°C                | -25 - 50°C                | 100°C                           | 15W           | 0.97                      | 85%                     | 350µA                  |

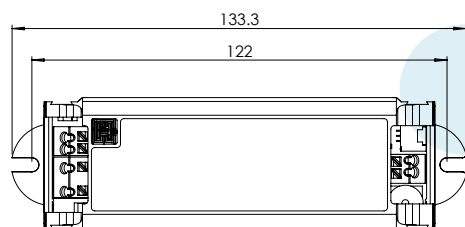
## ULTRA COMPACT

## Dimensions



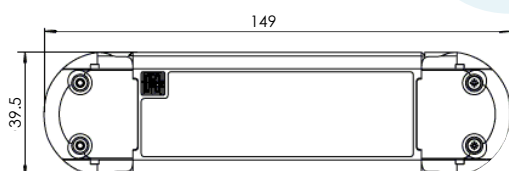
Built in

(without cable clamps/covers)

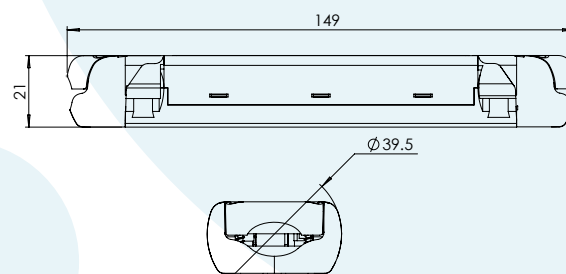
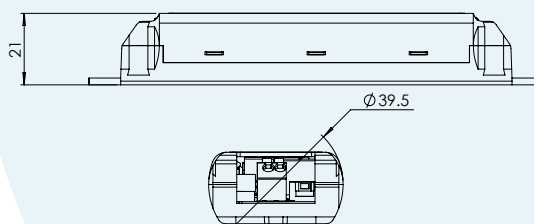


Independent

(with cable clamps/covers for remote application)



Cable clamps/covers part number CLi-CC39-SET



CoolLED

PRO

25W/40W

CB  
Scheme

- Fits through a 56mm hole.
- Supports from as low as 1 single LED.
- Isolated output.
- Smooth dimming to 0.1%.
- Touch/push-to-dim function as standard.
- Corridor/Switch dim function as standard.
- Exceptionally low LED flicker
- Near perfect light quality.
- Wireless ready
- Contact us for further information.

## CLi 25 DALI/Touch/Corridor Dimmable

25W

| Part number        | Programmable Current Range | LED String Voltage | Max. Tc Temperature | Ambient Temperature Range | Thermal Trip (Self - resetting) | Maximum Power | Power factor at full load | Efficiency at full load | Minimum Dimmed Current |
|--------------------|----------------------------|--------------------|---------------------|---------------------------|---------------------------------|---------------|---------------------------|-------------------------|------------------------|
| CLi25-D02-240/xxxx | 100 - 1050mA (±5)          | 4.5V to 52V        | 85°C                | -25 - 50°C                | 100°C                           | 25W           | 0.98                      | 87%                     | 350µA                  |

## CLi 25 0-10V/1-10V Analogue Dimmable

25W

| Part number        | Programmable Current Range | LED String Voltage | Max. Tc Temperature | Ambient Temperature Range | Thermal Trip (Self - resetting) | Maximum Power | Power factor at full load | Efficiency at full load | Minimum Dimmed Current |
|--------------------|----------------------------|--------------------|---------------------|---------------------------|---------------------------------|---------------|---------------------------|-------------------------|------------------------|
| CLi25-A02-240/xxxx | 100 - 1050mA (±5)          | 4.5V to 52V        | 85°C                | -25 - 50°C                | 100°C                           | 25W           | 0.98                      | 87%                     | 350µA                  |

## CLi 40 DALI/Touch/Corridor Dimmable

40W

| Part number        | Programmable Current Range | LED String Voltage | Max. Tc Temperature | Ambient Temperature Range | Thermal Trip (Self - resetting) | Maximum Power | Power factor at full load | Efficiency at full load | Minimum Dimmed Current |
|--------------------|----------------------------|--------------------|---------------------|---------------------------|---------------------------------|---------------|---------------------------|-------------------------|------------------------|
| CLi40-D01-240/xxxx | 100 - 1400mA (±5)          | 2.5V to 38V        | 85°C                | -25 - 50°C                | 100°C                           | 40W           | 0.98                      | 87%                     | 350µA                  |
| CLi40-D02-240/xxxx | 100 - 1050mA (±5)          | 4.5V to 52V        | 85°C                | -25 - 50°C                | 100°C                           | 40W           | 0.98                      | 88%                     | 350µA                  |

## CLi 40 0-10V/1-10V Analogue Dimmable

40W

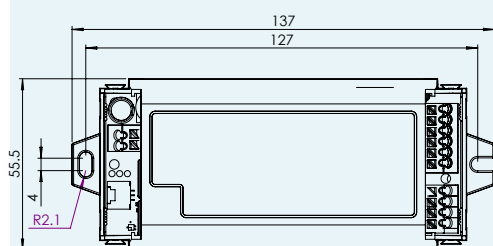
| Part number        | Programmable Current Range | LED String Voltage | Max. Tc Temperature | Ambient Temperature Range | Thermal Trip (Self - resetting) | Maximum Power | Power factor at full load | Efficiency at full load | Minimum Dimmed Current |
|--------------------|----------------------------|--------------------|---------------------|---------------------------|---------------------------------|---------------|---------------------------|-------------------------|------------------------|
| CLi40-A01-240/xxxx | 100 - 1400mA (±5)          | 2.5V to 38V        | 85°C                | -25 - 50°C                | 100°C                           | 40W           | 0.98                      | 87%                     | 350µA                  |
| CLi40-A02-240/xxxx | 100 - 1050mA (±5)          | 4.5V to 52V        | 85°C                | -25 - 50°C                | 100°C                           | 40W           | 0.98                      | 88%                     | 350µA                  |

ULTRA COMPACT

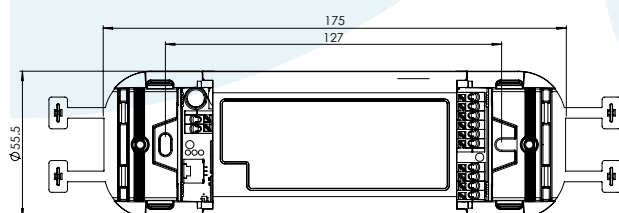
## Dimensions



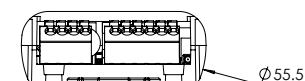
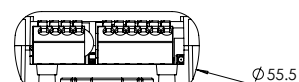
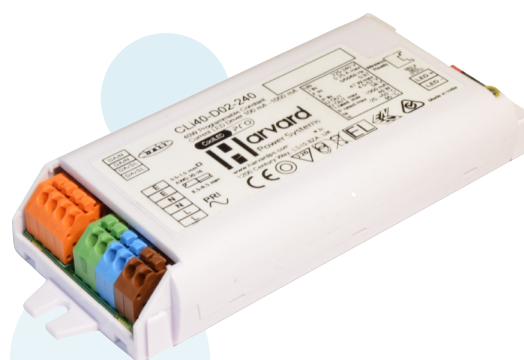
Built in  
(without cable clamps/covers)

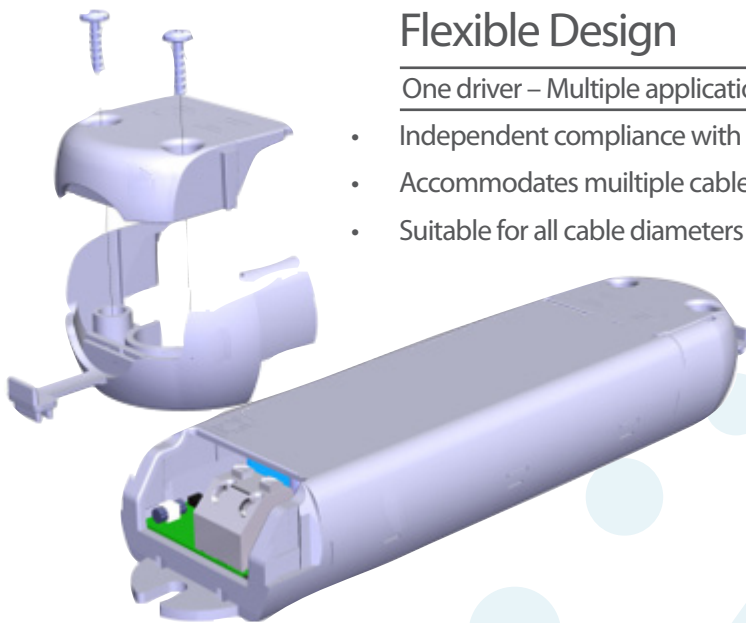


Independent  
(with cable clamps/covers for remote application)



Cable clamps/covers part number CLi-CC55-SET



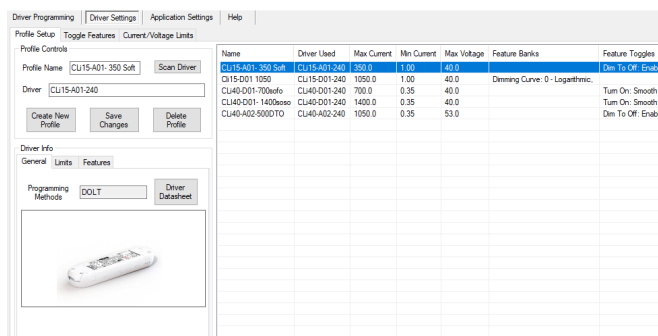


## Flexible Design

### One driver – Multiple applications

- Independent compliance with easy fit cable clamps/covers.
- Accommodates multiple cable entry
- Suitable for all cable diameters up to 7mm

## PC Interface to set up a driver profile



## Fully Programmable

### One driver – Multiple applications

- Output current programmable in 1mA step increments from as low as 100mA to 1400mA
- Wide operating voltage range from 2.5Vdc to 52Vdc
- Programmable smooth ON and fade to OFF

## Key Features

### Reliability

Extended life testing gives confidence and reliability for installations for years to come.

### Mains Smoothing

Protection from mains supply variation, enhanced EMC performance and LED light purity.

### Performance

Highly efficient two stage circuit design providing 88-90% efficiency; smoothed input supply and low dc output ripple.

### DALI

Mains tolerant protection.  
Touch/push-to dim, Corridor & Switch dimming.

### Emergency operations

AC/DC operation make it compatible for Emergency applications in accordance with EN61347-2-13 Annex J.

### Low Noise

Extremely low audible noise measured below 20dBA make it perfect for both home and commercial applications.

