

# Economic Lighting Solutions



**HYTRONIK**®  
SENSORS & LIGHTING CONTROL

**Koolmesh**®  
— TAILOR MAKE YOUR SOLUTION

2026

Website: [www.hytronik.com](http://www.hytronik.com)



# Only What You Need. Nothing You Don't.

Not every industrial project needs every feature. Hytronik's Economic Series delivers core performance and reliability at a competitive cost — [perfect for industrial, commercial, and large-scale projects.](#)



## 01 Affordable & Robust

Optimized for cost-sensitive projects without sacrificing durability.

## 02 Core Functions

Dimming, color tuning, emergency compliance —  
Everything essential, nothing unnecessary.

## 03 Easy Installation

Fewer components, less wiring, faster commissioning.

## 04 Designed for Scale

Ideal for factories, warehouses, and commercial facilities.

# The Challenges We Solve

Cutting cost and complexity without compromising performance.

## ✗ Industry Challenge

- High hardware & labor costs for features rarely used
- Complex installation & commissioning
- Risk of inconsistent output across fixtures

## ✓ Hytronik Economic Solution

- Essential functions only — no wasted expense
- Simplified design, fewer components, faster setup
- Stable, reliable, and consistent performance

Lower total project cost without compromising safety or quality.

## Why Hytronik Economic Series?

Works for real projects



### Cost-Effective

Focus on what matters, cut unnecessary cost



### Reliable & Durable

Proven Hytronik quality for industrial projects



### Simplified Setup

Fewer components, fast commissioning via App

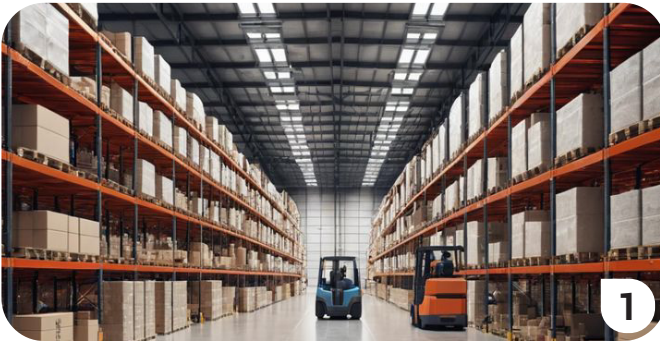


### Smart Enough

DALI, Bluetooth, tunable white where it counts



# Transform Any Space, Any Mood



## Factories & Warehouses

Cost-effective, reliable illumination



## Offices & Commercial Buildings

Essential functionality without extra cost



## Institutional Facilities

Schools, hospitals, public buildings: compliant and efficient



# Product Portfolio

## Economic Drivers

8-17 P

Reliable dimming and tunable white for large-scale projects.



- Stable performance under demanding industrial conditions
- Straightforward app-based setup & commissioning
- Ideal for cost-sensitive projects needing consistent output

## Economic Emergency Drivers & Inverters

21-32 P

Essential emergency lighting for compliance and safety.



- Compact and durable, designed for industrial fixtures
- Ensures safety standards are met without extra complexity
- Reliable backup performance when it matters most

## Economic Dimmers & Converters

36-37 P

Smart, affordable Bluetooth dimming and control.



- Wireless DALI-Bluetooth and 0/1-10V conversion for simple upgrades
- Streamlined design — lower cost, easier setup
- Works seamlessly with Hytronik Bluetooth sensors and drivers
- Suitable for retrofit and new-build projects across industrial, commercial, and residential spaces

# Economy LED Driver



Compact space, lower cost

Smart control via Bluetooth

Integrated design for minimal maintenance



## Power Range (max.)

12.8W - 80W

## Application

Dimming Control / Tunable White

## Dimming Control

DALI / Switch-Dim / Bluetooth

## Protection

Over-temperature / Open-circuit  
Short-circuit / Overload

# Overview

## Economy LED Driver

### 1 CH (Dimming)

| Designation                                                                                                                                                                                                | Type             | Input      | Dimensions<br>(L x W x H mm) | Output<br>Uout<br>max. | Output<br>Dimming<br>Interface | Max. Output Power /<br>Current / Voltage range                                                                                                                                                                                                   | Page |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------------|------------------------------|------------------------|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
|   <p>Max. 25W<br/>HED1025/BT</p>         | Constant Current | 220~240VAC | 245 x 25.5 x 21              | 60V                    | Bluetooth Switch-Dim           | 4.5-14.5W / 300mA / 15-48V<br>5-16.5W / 350mA / 15-48V<br>6-19W / 400mA / 15-48V<br>7-22W / 450mA / 15-48V<br>7.5-24W / 500mA / 15-48V<br>8-24W / 550mA / 15-44V<br>9-25W / 600mA / 15-42V<br>10-25W/650mA / 15-38V<br>10.5-25W / 700mA / 15-36V | 8 P  |
|   <p>Max. 12.8W<br/>HED6010/BT</p>       | Constant Current | 220~240VAC | 150 x 52 x 28                | 52V                    | Bluetooth Switch-Dim           | 1.5-8W / 195mA / 6-41V<br>1.5-9W / 230mA / 6-41V<br>1.5-10W / 250mA / 6-41V<br>2-12W / 300mA / 6-41V<br>2.5- 12.8W / 350mA / 6-36V<br>2.5-12.8W / 400mA / 6-32V<br>3-12.5W / 500mA / 6-25V                                                       | 9 P  |
|   <p>Max. 40W<br/>HED6040/BT ECO</p>  | Constant Current | 220~240VAC | 358 x 39.7 x 21.3            | 60V                    | Bluetooth Switch-Dim           | 10-23W / 500mA / 20-46V<br>12-28W / 600mA / 20-46V<br>14-32W / 700mA / 20-46V<br>16-37W / 800mA / 20-46V<br>18-40W / 900mA / 20-44V<br>20-40W / 1000mA / 20-40V<br>22-40W / 1100mA / 20-36V<br>24-40W / 1200mA / 20-33V                          | 10 P |
|   <p>Max. 60W<br/>HED6060/BT ECO</p> | Constant Current | 220~240VAC | 358 x 39.7 x 21.3            | 60V                    | Bluetooth Switch-Dim           | 16-37W/800mA /20-46V<br>18-42W/ 900mA /20-46V<br>20-46W/ 1000mA /20-46V<br>22-51W/ 1100mA /20-46V<br>24-55W/ 1200mA /20-46V<br>26-60W/1300mA /20-46V<br>28-60W/ 1400mA /20-43V<br>30-60W/ 1500mA /20-40V                                         | 10 P |
|   <p>Max. 45W<br/>HED6045/BT ECO</p> | Constant Current | 220~240VAC | 140.6 x 79.2 x 23            | 75V                    | Bluetooth Switch-Dim           | 3.5-19W / 350mA / 10-54V<br>5-27W / 500mA / 10-54V<br>6-32W / 600mA / 10-54V<br>7-38W / 700mA / 10-54V<br>8-42W / 800mA / 10-52V<br>9-45W / 900mA / 10-50V<br>9.5-45W / 950mA / 10-47V<br>10-45W / 1000mA / 10-45V<br>10.5-44W / 1050mA / 10-42V | 12 P |
|   <p>Max. 30W<br/>HED7030/BT ECO</p> | Constant Current | 220~240VAC | 108 x 69 x 22.2              | 75V                    | Bluetooth Switch-Dim           | 3.5-18W / 350mA / 10-52V<br>5-26W / 500mA / 10-52V<br>5.5-29W / 550mA / 10-52V<br>7-30W / 700mA / 10-43V<br>7.5-30W / 750mA /10-40V<br>9-23W / 900mA / 10-25V                                                                                    | 13 P |



# Economy LED Driver

## 2 CH (Tunable White)

| Designation                                                                                                                                                                                                        | Type             | Input      | Dimensions<br>(L x W x H mm) | Output<br>Uout<br>max. | Output<br>Dimming<br>Interface | Human<br>Centric<br>Lighting | Tunable<br>White<br>Control | Max. Output Power /<br>Current / Voltage range                                                                                                                                                                             | Page |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------------|------------------------------|------------------------|--------------------------------|------------------------------|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
|  <b>NEW</b><br><br>Max. 40W<br>HED8040/BT ECO    | Constant Current | 220~240VAC | 358 x 39.7 x 21.3            | 60V                    | Bluetooth Switch-Dim           |                              | ✓                           | 10-23W / 500mA / 20-46V<br>12-28W / 600mA / 20-46V<br>14-32W / 700mA / 20-46V<br>16-37W / 800mA / 20-46V<br>18-40W / 900mA / 20-44V<br>20-40W / 1000mA / 20-40V<br>22-40W / 1100mA / 20-36V<br>24-40W / 1200mA / 20-33V    | 14 P |
|  <b>NEW</b><br><br>Max. 60W<br>HED8060/BT ECO    | Constant Current | 220~240VAC | 358 x 39.7 x 21.3            | 60V                    | Bluetooth Switch-Dim           |                              | ✓                           | 16-37W / 800mA / 20-46V<br>18-42W / 900mA / 20-46V<br>20-46W / 1000mA / 20-46V<br>22-51W / 1100mA / 20-46V<br>24-55W / 1200mA / 20-46V<br>26-60W / 1300mA / 20-46V<br>28-60W / 1400mA / 20-43V<br>30-60W / 1500mA / 20-40V | 14 P |
|  <b>NEW</b><br><br>Max. 45W<br>HED8045/BT ECO | Constant Current | 220~240VAC | 140.6 x 79.2 x 23            | 63V                    | Bluetooth Switch-Dim           |                              | ✓                           | 7-24W / 500mA / 15-48V<br>9-29W / 600mA / 15-48V<br>10-34W / 700mA / 15-48V<br>12-38W / 800mA / 15-48V<br>13-43W / 900mA / 15-48V<br>15-43W / 1000mA / 15-43V                                                              | 16 P |
|  <b>NEW</b><br><br>Max. 25W<br>HED8025/BT    | Constant Current | 220~240VAC | 150 x 53.5 x 30.5            | 60V                    | Bluetooth Switch-Dim           |                              | ✓                           | 2-13W / 250mA / 10-52V<br>3-16W / 300mA / 10-52V<br>4-18W / 350mA / 10-52V<br>5-25W / 500mA / 10-50V<br>6-25W / 600mA / 10-42V<br>7-25W / 700mA / 10-35V<br>8-23W / 750mA / 10-30V                                         | 17 P |

# Economy LED Driver 1 CH (Dimming)

Max.25W(CC) Output



HED1025/BT

## Key Benefits

- Practical and simple functions designed for cost-efficient solution
- Protective features (short-circuit, overload, open-circuit)
- Logarithmic dimming and linear dimming modes
- Adjust constant current output via DIP switch & Bluetooth
- For area luminaires and linear, decorative and free-standing luminaires
- Wireless configuration via Koolmesh App for luminaires

## Where it Fits

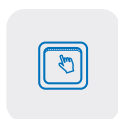


Pendant



Linear

## Main Functions



Switch-Dim

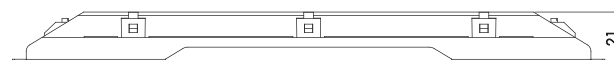
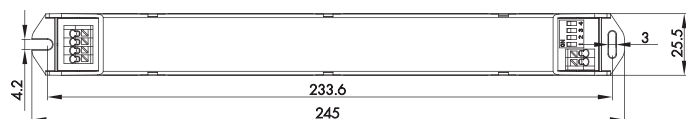


(CC) output via DIP switch



Flicker free (1-100%)

## Mechanical Structure (unit: mm)



## Technical Specifications

| Designation                                      | Operating Voltage     | Input Current                              | Input Power | Efficiency                                   | Power Factor | Uout Max.                                                             | Ripple Current | Turn-on Time |
|--------------------------------------------------|-----------------------|--------------------------------------------|-------------|----------------------------------------------|--------------|-----------------------------------------------------------------------|----------------|--------------|
| HED1025/BT                                       | 220~240VAC<br>50/60Hz | 135~125mA                                  | 30W         | 88% (Max.)                                   | 0.93         | 60V                                                                   | <3%            | < 0.5s       |
| Output LED Power / Current / Voltage             |                       |                                            |             |                                              |              |                                                                       |                |              |
| 4.5-14.5W/300mA /15-48V<br>5-16.5W/350mA /15-48V |                       | 6-19W/400mA /15-48V<br>7-22W/450mA /15-48V |             | 7.5-24W/500mA /15-48V<br>8-24W/550mA /15-44V |              | 9-25W/600mA /15-42V<br>10-25W/650mA /15-38V<br>10.5-25W/700mA /15-36V |                |              |

\*Please always check the latest datasheet for technical requirements-----<http://hytronik.com>

# Economy LED Driver 1 CH (Dimming)

Max. 12.8W(CC) Output

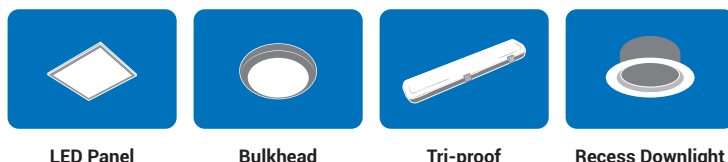


HED6010/BT

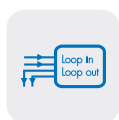
## Key Benefits

- Practical and simple functions designed for cost-efficient solution
- Protective features (short-circuit, overload, open-circuit)
- Logarithmic dimming and linear dimming modes
- Insulated terminal cover with cord restraint
- Suitable for main lighting fixtures of wall lamps and ceiling lamps
- Wireless configuration via Koolmesh App for luminaires

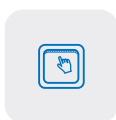
## Where it Fits



## Main Functions



Loop-in and loop-out

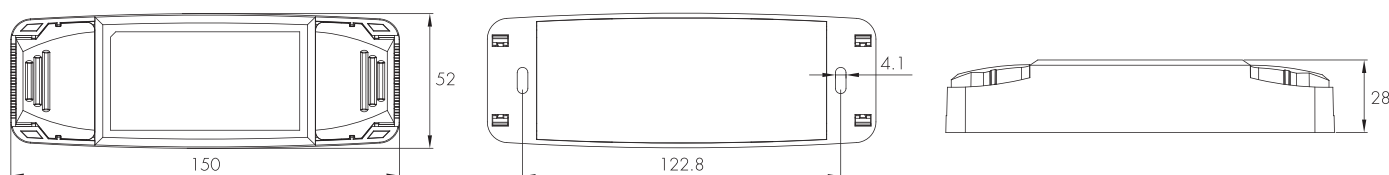


Switch-Dim



(CC) output via DIP switch

## Mechanical Structure (unit: mm)



## Technical Specifications

| Designation                                  | Operating Voltage     | Input Current                                | Power Factor | Efficiency                                          | Uout Max. | Ripple Current        | Turn-on Time |
|----------------------------------------------|-----------------------|----------------------------------------------|--------------|-----------------------------------------------------|-----------|-----------------------|--------------|
| HED6010/BT                                   | 220~240VAC<br>50/60Hz | 0.071-0.065A                                 | 0.9          | 88% (Max.)                                          | 52V       | <3%                   | < 0.5s       |
| Output LED Power / Current / Voltage         |                       |                                              |              |                                                     |           |                       |              |
| 1.5-8W/ 195mA /6-41V<br>1.5-9W/ 230mA /6-41V |                       | 1.5-10W/ 250mA /6-41V<br>2-12W/ 300mA /6-41V |              | 2.5- 12.8W/ 350mA /6-36V<br>2.5-12.8W/ 400mA /6-32V |           | 3-12.5W/ 500mA /6-25V |              |

\*Please always check the latest datasheet for technical requirements-----<http://hytronik.com>

# Economy LED Driver 1 CH (Dimming)

Max. 40W/60W Output



NEW



HED6040/BT ECO

HED6060/BT ECO



Max. 40W

HED6040/BT ECO

Max. 60W

HED6060/BT ECO

## Key Benefits

- Adds wireless dimming control to luminaires
- Up to 4 PUSH configurations can be added via Bluetooth
- Adjust constant current output via DIP switch & Bluetooth
- Protective features (overtemperature, short-circuit, overload, open-circuit)
- Logarithmic dimming and linear dimming modes
- For area luminaires and linear, decorative and free-standing luminaires
- Wireless configuration via Koolmesh App for luminaires

## Where it Fits



Tri-proof



Pendant

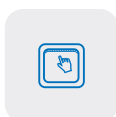


Linear

## Main Functions



(CC) output via DIP switch



Switch-Dim

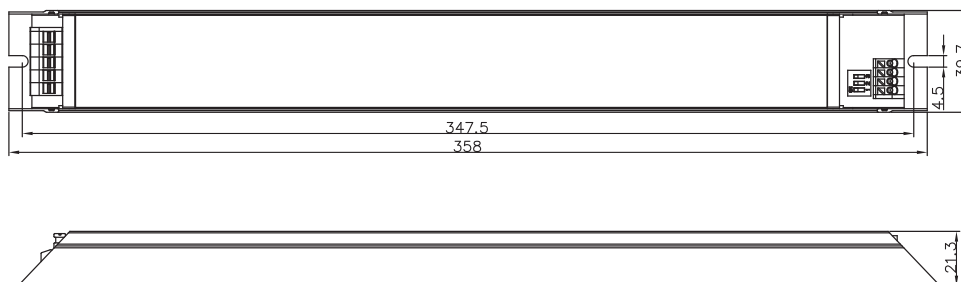


Flicker free (1-100%)



Up to 4 Push function

## Mechanical Structure (unit: mm)





## Technical Specifications

| Designation                                   | Operating Voltage     | Input Power                                    | Input Current | Power Factor                                  | Efficiency | Uout Max.                                        | Stand-by Power |
|-----------------------------------------------|-----------------------|------------------------------------------------|---------------|-----------------------------------------------|------------|--------------------------------------------------|----------------|
| HED6040/BT ECO                                | 220~240VAC<br>50/60Hz | 45W                                            | 210~190mA     | 0.95                                          | 88% (Max.) | 60V                                              | <0.5W          |
| Output LED Power / Current / Voltage          |                       |                                                |               |                                               |            |                                                  |                |
| 0-23W/ 500mA /20-46V<br>12-28W/ 600mA /20-46V |                       | 14-32W/ 700mA /20-46V<br>16-37W/ 800mA /20-46V |               | 18-40W/ 900mA /20-44V<br>20-40W/1000mA/20-40V |            | 22-40W/ 1100mA /20-36V<br>24-40W/ 1200mA /20-33V |                |

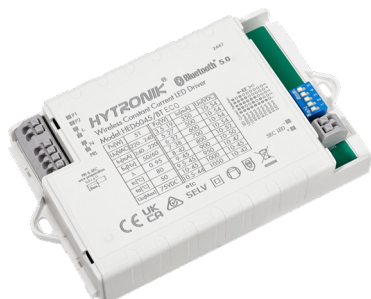
| Designation                                   | Operating Voltage     | Input Power                                      | Input Current | Power Factor                                    | Efficiency | Uout Max.                                        | Stand-by Power |
|-----------------------------------------------|-----------------------|--------------------------------------------------|---------------|-------------------------------------------------|------------|--------------------------------------------------|----------------|
| HED6060/BT ECO                                | 220~240VAC<br>50/60Hz | 68W                                              | 310~280mA     | 0.95                                            | 88% (Max.) | 60V                                              | <0.5W          |
| Output LED Power / Current / Voltage          |                       |                                                  |               |                                                 |            |                                                  |                |
| 16-37W/800mA /20-46V<br>18-42W/ 900mA /20-46V |                       | 20-46W/ 1000mA /20-46V<br>22-51W/ 1100mA /20-46V |               | 24-55W/ 1200mA /20-46V<br>26-60W/1300mA /20-46V |            | 28-60W/ 1400mA /20-43V<br>30-60W/ 1500mA /20-40V |                |

# Economy LED Driver 1 CH (Dimming)

Max. 45W(CC) Output



NEW



HED6045/BT ECO

## Key Benefits

- Practical and simple functions designed for cost-efficient solutions
- Protective features( short-circuit,overload,open-circuit)
- Logarithmic dimming and linear dimming modes
- Insulated terminal cover with cord restraint
- Suitable for main lighting fixtures of wall lamps and ceiling lamps
- Wireless configuration via Koolmesh App for luminaires

## Options

Insulated terminal cover with cord restraint



## Where it Fits



LED Panel

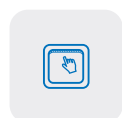


Bulkhead

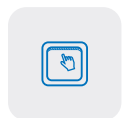


Tri-proof

## Main Functions



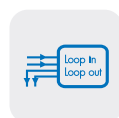
Switch-Dim



0 / 2 Push inputs



(CC) output via DIP switch

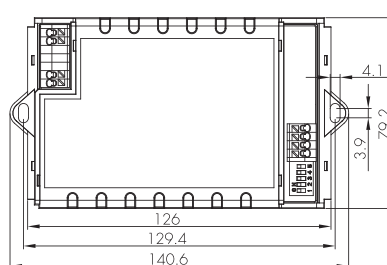
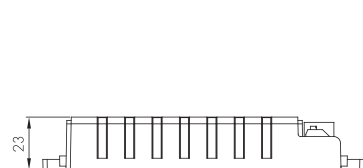


Loop-in and loop-out



Flicker free (1-100%)

## Mechanical Structure (unit: mm)



## Technical Specifications

| Designation                                      | Operating Voltage     | Input Current                                      | Power Factor | Efficiency                                       | Uout Max. | Output Voltage                                                                     | Turn-on Time |
|--------------------------------------------------|-----------------------|----------------------------------------------------|--------------|--------------------------------------------------|-----------|------------------------------------------------------------------------------------|--------------|
| HED6045/BT ECO                                   | 220~240VAC<br>50/60Hz | 240~220mA                                          | 0.9          | 88% (Max.)                                       | 75V       | 10 -52 V                                                                           | < 0.5s       |
| Output LED Power / Current / Voltage             |                       |                                                    |              |                                                  |           |                                                                                    |              |
| 8-42W/ 800mA /10-52VDC<br>9-45W/ 900mA /10-50VDC |                       | 3.5-19W/ 350mA /10-54VDC<br>5-27W/ 500mA /10-54VDC |              | 6-32W/ 600mA /10-54VDC<br>7-38W/ 700mA /10-54VDC |           | 9.5-45W/ 950mA /10-47VDC<br>10-45W/ 1000mA /10-45VDC<br>10.5-44W/ 1050mA /10-42VDC |              |

\*Please always check the latest datasheet for technical requirements-----<http://hytronik.com>

# Economy LED Driver 1 CH (Dimming)

Max. 30W(CC) Output



NEW



HED7030/BT ECO

## Key Benefits

- Practical and simple functions designed for cost-efficient solutions
- Protective features (short-circuit, overload, open-circuit)
- Logarithmic dimming and linear dimming modes
- Suitable for main lighting fixtures of wall lamps and ceiling lamps
- Wireless configuration via Koolmesh App for luminaires

## Where it Fits



Bulkhead

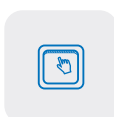


Tri-proof

## Main Functions



(CC) output via DIP switch



Switch-Dim

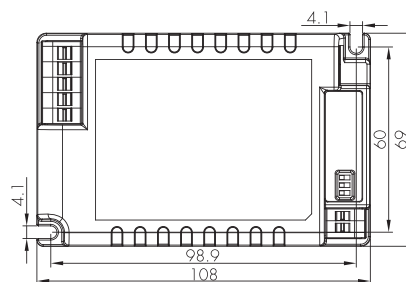
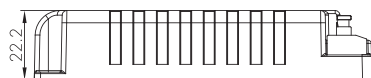


Flicker free (20-100%)



PWM 1KHz (1-20%)

## Mechanical Structure (unit: mm)



## Technical Specifications

| Designation                                  | Operating Voltage     | Input Current                                | Power Factor | Efficiency                                   | Uout Max. | Output Voltage | Turn-on Time |
|----------------------------------------------|-----------------------|----------------------------------------------|--------------|----------------------------------------------|-----------|----------------|--------------|
| HED7030/BT ECO                               | 220~240VAC<br>50/60Hz | 170~160mA                                    | 0.9          | 88% (Max.)                                   | 75V       | 10 -52 V       | < 0.5s       |
| Output LED Power / Current / Voltage         |                       |                                              |              |                                              |           |                |              |
| 3.5-18W/350mA /10-52V<br>5-26W/500mA /10-52V |                       | 5.5-29W/550mA /10-52V<br>7-30W/700mA /10-43V |              | 7.5-30W/750mA /10-40V<br>9-23W/900mA /10-25V |           |                |              |

\*Please always check the latest datasheet for technical requirements-----<http://hytronik.com>

# Economy LED Driver 2 CH (Tunable White)

Max. 40W/60W(CC) Output



HED8040/BT ECO



HED8060/BT ECO



NEW



Max. 40W  
HED8040/BT ECO

Max. 60W  
HED8060/BT ECO

## Key Benefits

- Practical and simple functions designed for cost-efficient solutions
- Linear low profile (40, 60W) version options
- Protective features (overtemperature, short-circuit, overload, open-circuit)
- Logarithmic dimming and linear dimming modes
- For area luminaires and linear, decorative and free-standing luminaires
- Wireless configuration via Koolmesh App for luminaires

## Where it Fits



Tri-proof

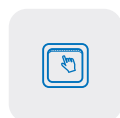


Pendant



Linear

## Main Functions



Switch-Dim



(CC) output via DIP switch

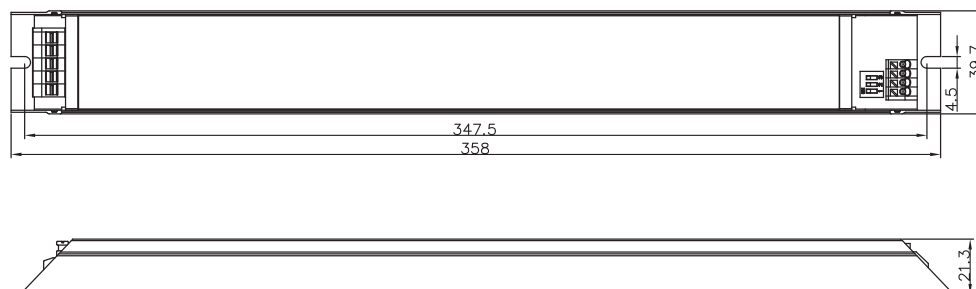


Tunable white



Flicker free (1-100%)

## Mechanical Structure (unit: mm)



## Technical Specifications

| Designation                                    | Operating Voltage     | Input Power                                    | Input Current | Efficiency                                    | Uout Max. | Stand-by Power                                   |
|------------------------------------------------|-----------------------|------------------------------------------------|---------------|-----------------------------------------------|-----------|--------------------------------------------------|
| HED8040/BT ECO                                 | 220~240VAC<br>50/60Hz | 45W                                            | 210~190mA     | 88% (Max.)                                    | 60V       | <0.5W                                            |
| Output LED Power / Current / Voltage           |                       |                                                |               |                                               |           |                                                  |
| 10-23W/ 500mA /20-46V<br>12-28W/ 600mA /20-46V |                       | 14-32W/ 700mA /20-46V<br>16-37W/ 800mA /20-46V |               | 18-40W/ 900mA /20-44V<br>20-40W/1000mA/20-40V |           | 22-40W/ 1100mA /20-36V<br>24-40W/ 1200mA /20-33V |

| Designation                                   | Operating Voltage     | Input Power                                      | Input Current | Efficiency                                      | Uout Max. | Stand-by Power                                   |
|-----------------------------------------------|-----------------------|--------------------------------------------------|---------------|-------------------------------------------------|-----------|--------------------------------------------------|
| HED8060/BT ECO                                | 220~240VAC<br>50/60Hz | 68W                                              | 310~280mA     | 88% (Max.)                                      | 60V       | <0.5W                                            |
| Output LED Power / Current / Voltage          |                       |                                                  |               |                                                 |           |                                                  |
| 16-37W/800mA /20-46V<br>18-42W/ 900mA /20-46V |                       | 20-46W/ 1000mA /20-46V<br>22-51W/ 1100mA /20-46V |               | 24-55W/ 1200mA /20-46V<br>26-60W/1300mA /20-46V |           | 28-60W/ 1400mA /20-43V<br>30-60W/ 1500mA /20-40V |



# Economy LED Driver 2 CH (Tunable White)

Max. 45W(CC) Output



NEW



HED8045/BT ECO

## Key Benefits

- Practical and simple functions designed for cost-efficient solutions
- Adds wireless dimming and tunable white control to luminaires
- Protective features (short-circuit, overload, open-circuit)
- Logarithmic dimming and linear dimming modes
- Insulated terminal cover with cord restraint
- Suitable for main lighting fixtures of wall lamps and ceiling lamps
- Wireless configurable via Koolmesh App

## Where it Fits



LED Panel

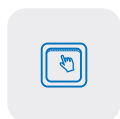


Bulkhead

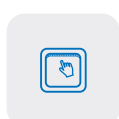


Tri-proof

## Main Functions



Switch-Dim



2 Push inputs



Tunable white

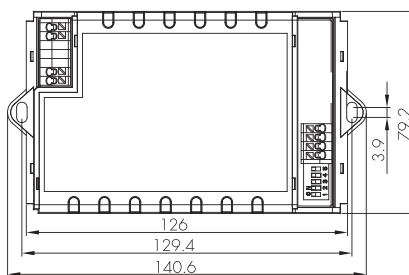


(CC) output via  
DIP switch



PWM 1KHz (1-100%)

## Mechanical Structure (unit: mm)



## Technical Specifications

| Designation    | Operating Voltage     | Input Current | Power Factor | Efficiency | Uout Max. | Output Voltage | Turn-on Time |
|----------------|-----------------------|---------------|--------------|------------|-----------|----------------|--------------|
| HED6045/BT ECO | 220~240VAC<br>50/60Hz | 240~220mA     | 0.95         | 88% (Max.) | 63V       | 15-48V         | < 0.5s       |

### Output LED Power / Current / Voltage

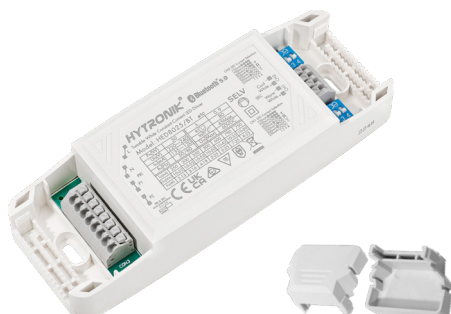
7-24W/500mA /15-48V  
9-29W/ 600mA /15-48V

10-34W/ 700mA /15-48V  
12-38W/ 800mA /15-48V

13-43W/ 900mA /15-48V  
15-43W/ 1000mA /15-43V

# Economy LED Driver 2 CH (Tunable White)

Max. 25W(CC) Output



HED8025/BT

## Key Benefits

- Practical and simple functions designed for cost-efficient solutions
- Protective features(short-circuit, overload, open-circuit)
- Logarithmic dimming and linear dimming modes
- Suitable for main lighting fixtures of wall lamps and ceiling lamps
- Insulated terminal cover with cord restraint
- Wireless configurable via Koolmesh App

## Where it Fits



LED Panel

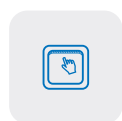


Bulkhead



Tri-proof

## Main Functions



Switch-Dim



Tunable white

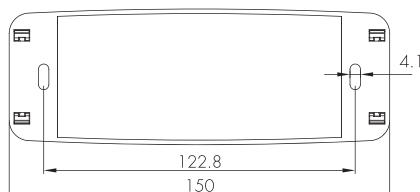
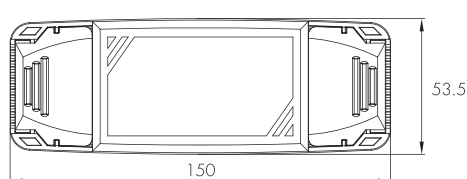


(CC) output via  
DIP switch



Loop-in and loop-out

## Mechanical Structure (unit: mm)



## Technical Specifications

| Designation                                 | Operating Voltage     | Input Current                                  | Power Factor | Efficiency                                      | Uout Max. | Ripple Current | Turn-on Time |
|---------------------------------------------|-----------------------|------------------------------------------------|--------------|-------------------------------------------------|-----------|----------------|--------------|
| HED8025/BT ECO                              | 220~240VAC<br>50/60Hz | 135~120mA                                      | 0.9          | 88% (Max.)                                      | 60V       | <3%            | < 0.5s       |
| Output LED Power / Current / Voltage        |                       |                                                |              |                                                 |           |                |              |
| 7-24W/500mA /15-48V<br>9-29W/ 600mA /15-48V |                       | 10-34W/ 700mA /15-48V<br>12-38W/ 800mA /15-48V |              | 13-43W/ 900mA /15-48V<br>15-43W/ 1000mA /15-43V |           |                |              |

\*Please always check the latest datasheet for technical requirements-----<http://hytronik.com>

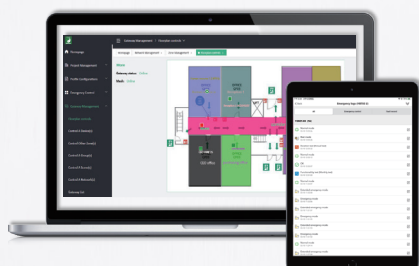


## Economic Emergency Drivers & Inverters

- Function test
- Duration test
- Grouping for adjacent area
- Scheduling
- Visual failure check via floorplan
- Real-time failure notification by email
- Auto report generation
- Battery life prediction for easy maintenance:  
(One batch replacement for all batteries)

## Emergency working mode:

- Normal
- Emergency
- Rest Inhibit
- Extended Emergency



# Overview

## Economy Emergency Combo Driver 2-in-1

(Mains-driver & Inverter)

| Designation                                                                                                      | Input Voltage / Current | Uout max. | Output Power / Current / Voltage range                                                                                                    | Emergency Output Power / Current / Voltage range                          | Dimensions (L x W x H mm) | LED indicator & Test switch | Optional Battery Pack | Page |
|------------------------------------------------------------------------------------------------------------------|-------------------------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|---------------------------|-----------------------------|-----------------------|------|
|  <p>Max. 25W<br/>HBEM01 ECO</p> | 220~240VAC / 162-150mA  | 60V       | 8-17.5W / 350mA / 24-50V<br>12-25W / 500mA / 24-50V<br>16-25W / 700mA / 24-36V                                                            | 2W / 85-40mA / 24-50V<br>3W / 125-60mA / 24-50V                           | 108 x 69 x 22.2           | ✓                           | BPC83<br>BPC84        | 21 P |
|  <p>Max. 40W<br/>HBEM03 ECO</p> | 220~240VAC / 240-220mA  | 60V       | 8-17.5W / 350mA / 24-50V<br>12-25W / 500mA / 24-50V<br>16-33.5W / 700mA / 24-48V<br>16-40.5W / 900mA / 24-45V<br>25-40W / 1050mA / 24-38V | 2W / 85-40mA / 24-50V<br>3W / 125-60mA / 24-50V<br>4W / 160-80mA / 24-50V | 140.7x 79.2 x 23          | ✓                           | BPC83<br>BPC84        | 23 P |

## Economy Emergency Inverter for On/Off and DALI Driver

| Designation                                                                                           | Input Voltage / Current | Uout max. | Emergency Output Power / Current / Voltage range                                                           | Dimensions (L x W x H mm) | LED indicator & Test switch | Optional Battery Pack | Page |
|-------------------------------------------------------------------------------------------------------|-------------------------|-----------|------------------------------------------------------------------------------------------------------------|---------------------------|-----------------------------|-----------------------|------|
|  <p>HBEM02 ECO</p> | 220~240VAC / Max. 25mA  | 60V       | 2W / 85-40mA / 24-55V<br>3W / 125-60mA / 24-55V<br>4W / 160-80mA / 24-55V                                  | 160 x 39.7 x 21.3         | ✓                           | BPC83<br>BPC84        | 25 P |
|  <p>HBEM04 ECO</p> | 220~240VAC / Max. 30mA  | 60V       | 2W / 85-40mA / 24-55V<br>3W / 125-60mA / 24-55V<br>4W / 160-80mA / 24-55V<br>5W / 200-100mA / 24-55V       | 108 x 69 x 22.2           | ✓                           | BPC83<br>BPC84        | 27 P |
|  <p>HBEM05 ECO</p> | 220~240VAC / Max. 50mA  | 60V       | 6W / 250-100mA / 24-55V<br>8W / 330-145mA / 24-55V<br>10W / 415-180mA / 24-55V<br>12W / 500-220mA / 24-55V | 108 x 69 x 22.2           | ✓                           | BPC85                 | 29 P |

## Economy Emergency Sign Maintained

## Mains-driver & Inverter

| Designation                                                                                                                       | Input Voltage / Current | Uout max. | Output Power | Output Power / Current / Voltage range                                   | Dimensions (L x W x H mm) | LED indicator & Test switch | Optional Battery Pack | Page |
|-----------------------------------------------------------------------------------------------------------------------------------|-------------------------|-----------|--------------|--------------------------------------------------------------------------|---------------------------|-----------------------------|-----------------------|------|
|  <p><b>NEW</b></p> <p>Max. 4W<br/>HBEM06 ECO</p> | 220~240VAC<br>Max. 25mA | 15V       | 1W/2W/4W     | 1W / 330-125mA / 3-8V<br>2W / 650-250mA / 3-8V<br>4W / 1300-500mA / 3-8V | 139 x 39.7 x 21.3         | ✓                           | BPC83<br>BPC84        | 31 P |

## Battery Pack

| Designation                                                                                                        | Battery Type | Specification | Dimensions (L x W x H mm) | Recharge Time | Page |
|--------------------------------------------------------------------------------------------------------------------|--------------|---------------|---------------------------|---------------|------|
|  <p>BPC83</p>                   | LiFePO4      | 6.4V, 3.6Ah   | 105 x 53 x 27.5           | 24h           | 33 P |
|  <p>BPC84</p>                   | LiFePO4      | 6.4V, 3.6Ah   | 174.8 x 26.5 x 29         | 24h           | 33 P |
| <p><b>NEW</b></p>  <p>BPC85</p> | LiFePO4      | 12.8V, 3.6Ah  | 100 x 56.5 x 66.5         | 24h           | 33 P |

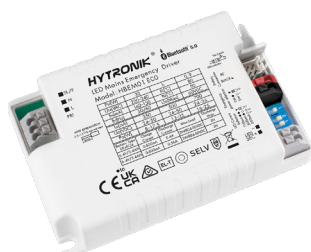
# Economy Emergency Combo Driver 2-in-1

## (Mains-driver & Inverter)



Max. 25W(CC) Main Output

Max. 3W EM Output



HBEM01 ECO

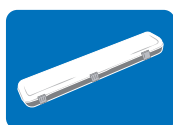
### Key Benefits

- Self-contained Emergency 8 LED drivers combination
- Non-maintained and maintained operations
- Mains & Emergency output (2W/3W) selection via DIP switch
- It is dimmable via switch-dim or Koolmesh App in maintaining mode
- Active PFC design
- Abnormal protection for short-circuit, overload and open-circuit
- SELV classified (LED indicator, battery, test switch)
- Customized manual test switch (single press, long press)
- 5 year design life for battery (up to 30 C ambient temperature)
- Battery Life prediction and abnormal protection
- Wireless scheduling of monthly and annual EM tests via Koolmesh App
- Ideal for main lighting fixtures with emergency function requirements

### Where it Fits



Bulkhead



Tri-proof

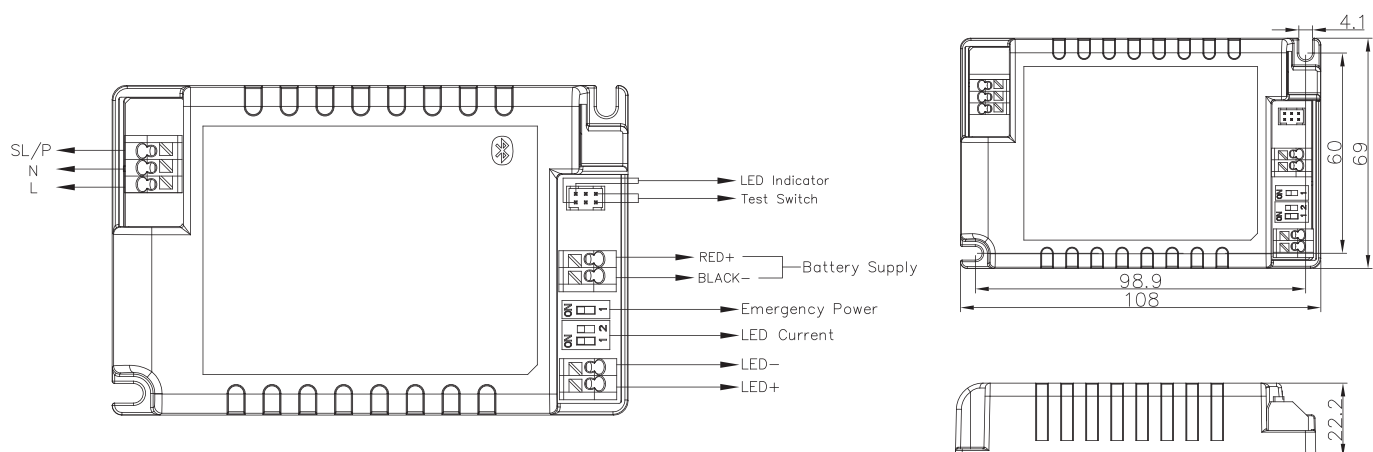
### Technical Specifications

| Designation           |               | Output Voltage (Uout Max.) | Power Factor                          | Main Output Power / Current / Voltage Range                                    |
|-----------------------|---------------|----------------------------|---------------------------------------|--------------------------------------------------------------------------------|
| HBEM01 ECO            |               | 60V                        | >0.9                                  | 8-17.5W / 350mA / 24-50V<br>12-25W / 500mA / 24-50V<br>16-25W / 700mA / 24-36V |
| Input Current         | Input Voltage | Efficiency                 | In-rush Current (Imax.)<br>Pulse Time | Emergency Output Power / Current / Voltage Range                               |
| 162~150mA             | 220-240 VAC   | 85% (max.)                 | 21A / 80 μs                           | 2W / 85-40mA / 24-50V<br>3W / 125-60mA / 24-50V                                |
| Optional Battery Pack |               | Discharge Current          | Charge Current                        | Max. Load / Discharge Hour                                                     |
| BPC83                 | BPC84         | 6.4V, 3.6AH                | 0-500mA                               | 0.4A, 2W@24 - 50V / 3H<br>0.56A, 3W@24 - 50V / 3H                              |

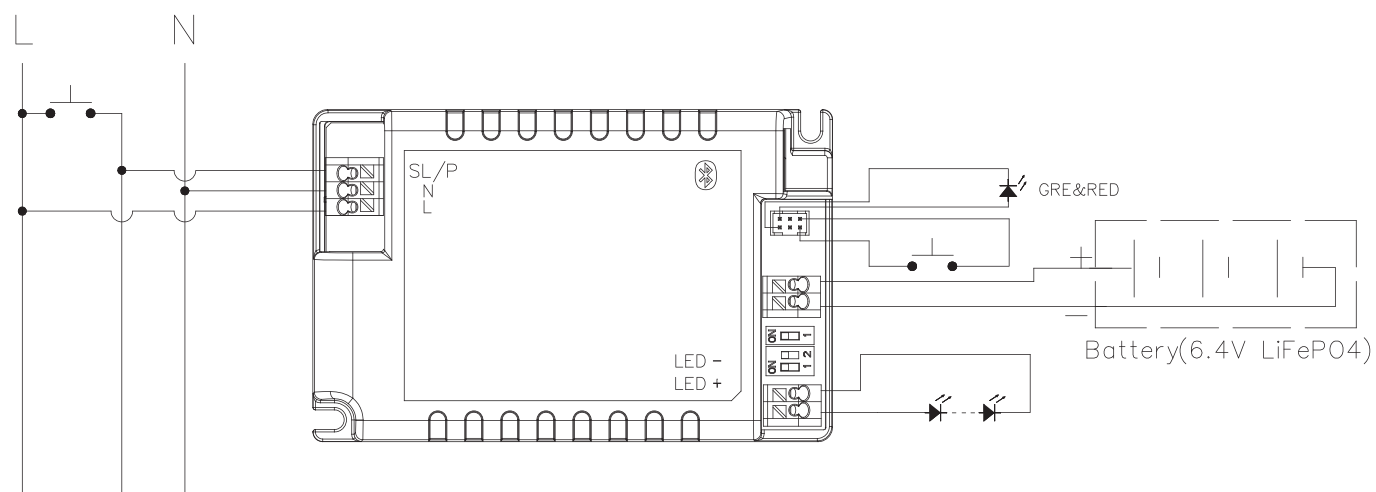
\*Please always check the latest datasheet for technical requirements-----<http://hytronik.com>



## Mechanical Structure (unit: mm)



## Wiring Diagram



# Economy Emergency Combo Driver 2-in-1

## (Mains-driver & Inverter)



Max. 40W(CC) Main Output

Max. 4W EM Output



NEW



HBEM03 ECO

### Key Benefits

- Self - contained Emergency & LED drivers combination with self-test function
- Non-maintained and maintained operations
- Mains & Emergency output (2W/3W/4W) selection via DIPswitch
- Dimmable via switch-dim or Koolmesh App in maintaining mode
- Active PFC design
- Abnormal protection for short-circuit, overload and open-circuit
- SELV classified (LED indicator, battery, test switch)
- Customized manual test switch (single press, long press)
- 5 year design life for battery (up to 30°C ambient temperature)
- Battery Life prediction and abnormal protection
- Enables wireless scheduling of monthly and annual EM tests via Koolmesh App
- Ideal for main lighting fixtures with emergency function requirements
- Provides insulating cover accessories for standalone installation

### Where it Fits



LED Panel



Bulkhead



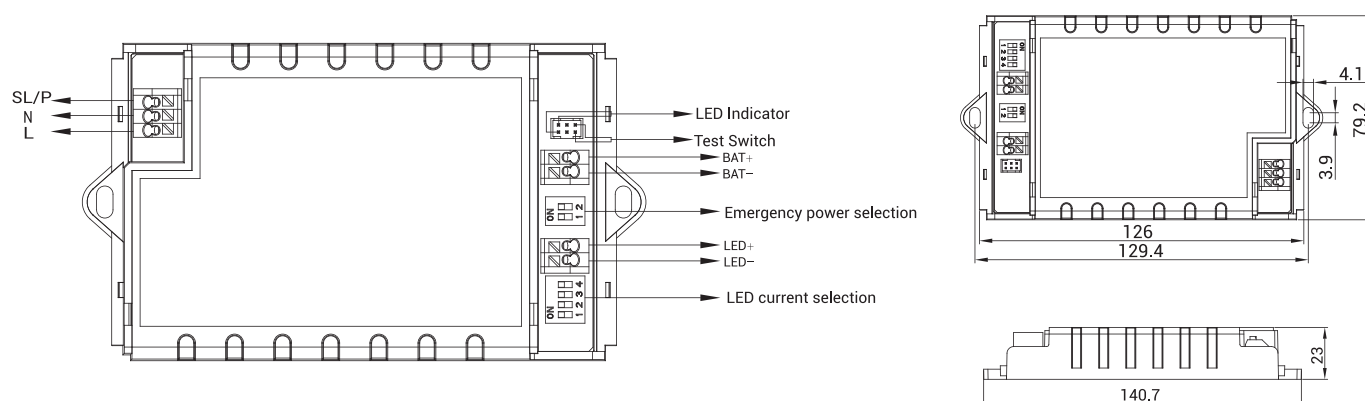
Tri-proof

### Technical Specifications

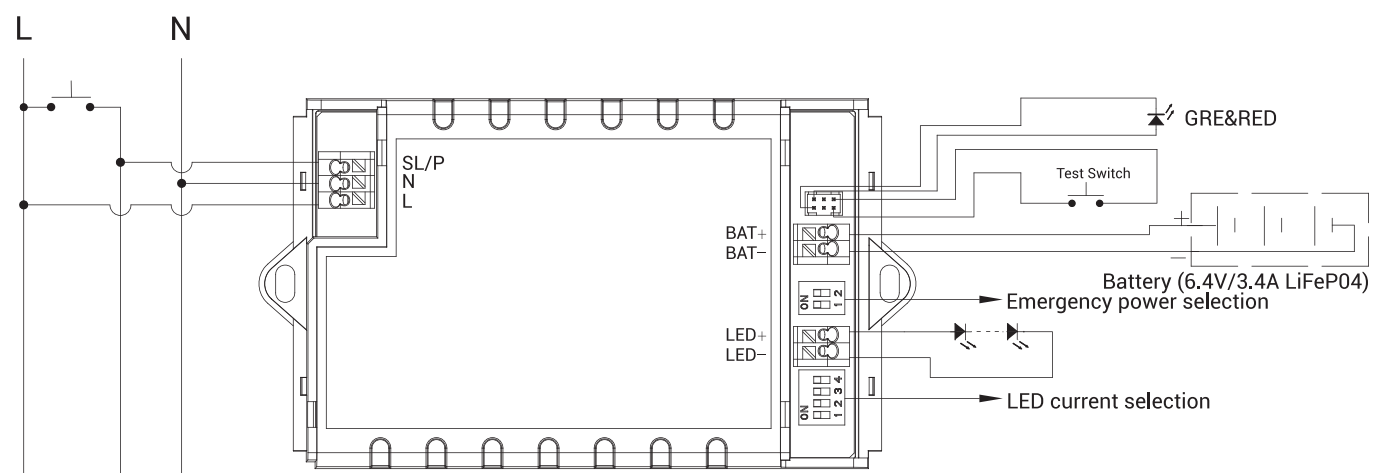
| Designation           | Input Voltage/<br>Input Current | Output<br>Power   | Efficiency | Output Voltage<br>(Uout Max.) | Output Power /<br>Current / Voltage Range                                                                                                 | Emergency Output Power /<br>Current / Voltage Range                       |
|-----------------------|---------------------------------|-------------------|------------|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|
| HBEM03 ECO            | 220-240 VAC<br>240~220mA        | 40W (max.)        | 85% (max.) | 60V                           | 8-17.5W / 350mA / 24-50V<br>12-25W / 500mA / 24-50V<br>16-33.5W / 700mA / 24-48V<br>16-40.5W / 900mA / 24-45V<br>25-40W / 1050mA / 24-38V | 2W / 85-40mA / 24-50V<br>3W / 125-60mA / 24-50V                           |
| Optional Battery Pack |                                 | Discharge Current |            | Charge Current                |                                                                                                                                           | Max. Load / Discharge Hour                                                |
| BPC83                 | BPC84                           | 6.4V, 3.6AH       |            | 0-500mA                       |                                                                                                                                           | 0.4A, 2W@24 - 50V / 3H<br>0.56A, 3W@24 - 50V / 3H<br>0.8A, 4W@24-50V / 3H |

\*Please always check the latest datasheet for technical requirements-----<http://hytronik.com>

## Mechanical Structure (unit: mm)



## Wiring Diagram



# Economy Emergency Inverter

Max. 4W EM Output

For ON/OFF Drivers



NEW



HBEM02 ECO

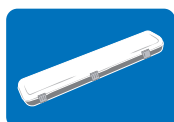
## Key Benefits

- Self-contained Emergency with self-test function
- EM power selection via DIP switch (2W/3W/4W)
- SELV classified (indicator LED, battery pack, test switch)
- Abnormal protection for short-circuit and over-heat
- Wireless monthly and annual EM tests via Koolmesh App
- SELV classified (LED indicator, battery, test switch)
- Customized manual test switch (single press, long press)
- 5 year design life for battery (up to 30°C ambient temperature)
- Battery life prediction and abnormal protection
- Designed for On/off control drivers
- Add an emergency function to the main lighting fixtures

## Where it Fits



Bulkhead



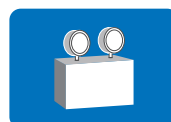
Tri-proof



Pendant



Linear



Combination  
Emergency Light

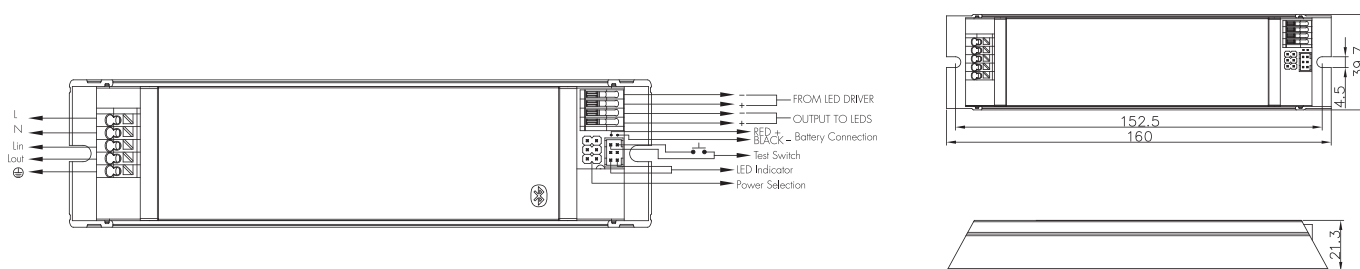
## Technical Specifications

| Designation | Input Voltage/<br>Input Current | Output Voltage<br>(Uout Max.) | In-rush Current (Imax.)/<br>Pulse Time | Emergency Output Power /<br>Current / Voltage Range                       |
|-------------|---------------------------------|-------------------------------|----------------------------------------|---------------------------------------------------------------------------|
| HBEM02 ECO  | 220-240 VAC<br>max. 25mA        | 60V                           | 6A/120 μs                              | 2W / 85-40mA / 24-55V<br>3W / 125-60mA / 24-55V<br>4W / 160-80mA / 24-55V |

| Optional Battery Pack | Discharge Current | Charge Current | Max. Load / Discharge Hour                                                |
|-----------------------|-------------------|----------------|---------------------------------------------------------------------------|
| BPC83    BPC84        | 6.4V, 3.6AH       | 0-500mA        | 0.4A, 2W@24 - 50V / 3H<br>0.56A, 3W@24 - 50V / 3H<br>0.8A, 4W@24-50V / 3H |

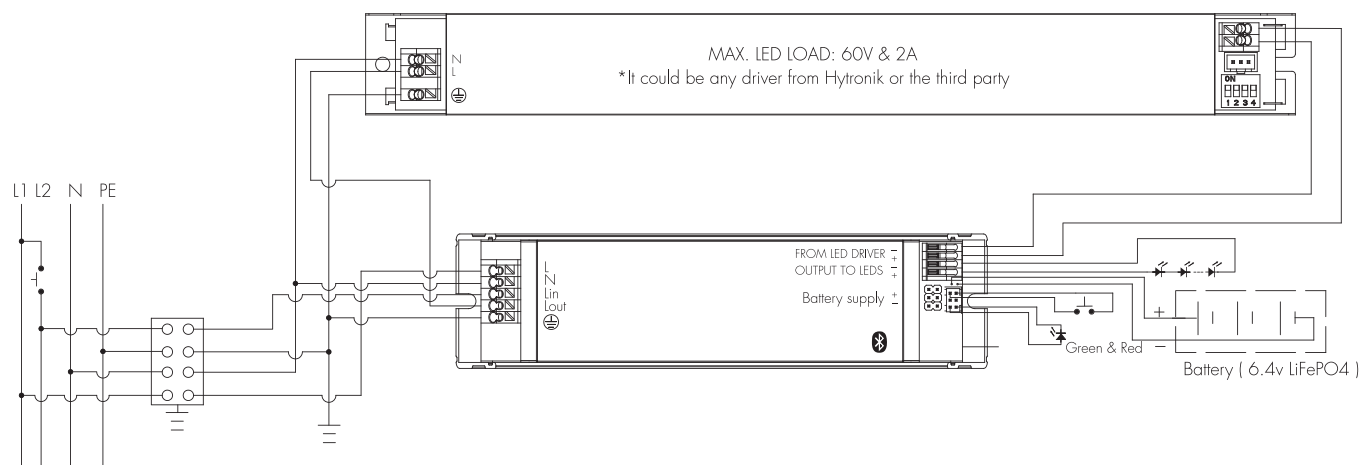
\*Please always check the latest datasheet for technical requirements-----<http://hytronik.com>

## Mechanical Structure (unit: mm)

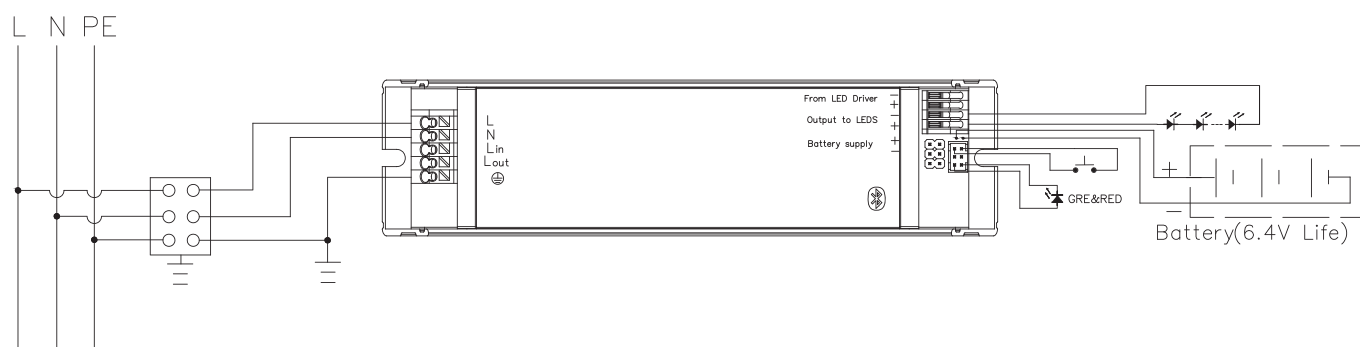


## Wiring Diagram

### Maintained



### Non-maintained



# Economy Emergency Inverter

Max. 5W EM Output

For DALI Dimmable Drivers



NEW



HBEM04 ECO

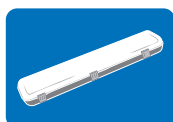
## Key Benefits

- Self-contained Emergency with self-test function
- Emergency power selection via DIP switch (2W/3W/4W/5W)
- Abnormal protection for short-circuit and over-heat
- Wireless monthly and annual EM tests via KoolmcsH App
- SELV classified (LED indicator, battery, test switch)
- 5 year design life for battery (up to 30°C ambient temperature)
- Battery life prediction and abnormal protection
- Designed for DALI dimmable drivers
- Add an emergency function to the main lighting fixtures

## Where it Fits



Bulkhead



Tri-proof



Combination  
Emergency Light

## Technical Specifications

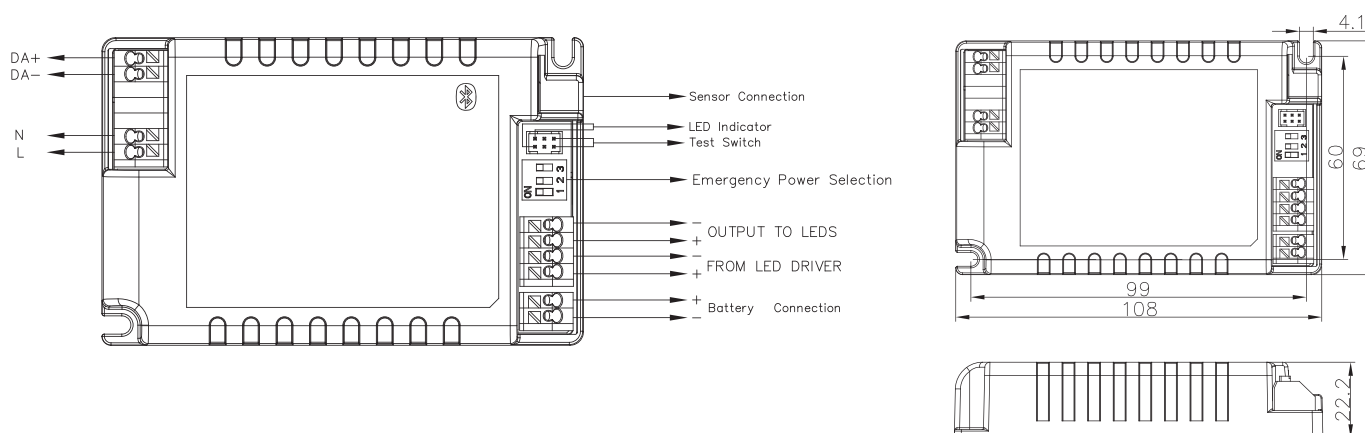
| Designation | Input Voltage/<br>Input Current | Output Voltage<br>(Uout Max.) | In-rush Current (Imax.)/<br>Pulse Time | Emergency Output Power /<br>Current / Voltage Range                                                  |
|-------------|---------------------------------|-------------------------------|----------------------------------------|------------------------------------------------------------------------------------------------------|
| HBEM04 ECO  | 220-240 VAC<br>max. 30mA        | 60V                           | 25A/80 μs                              | 2W / 85-40mA / 24-55V<br>3W / 125-60mA / 24-55V<br>4W / 160-80mA / 24-55V<br>5W / 200-100mA / 24-55V |

| Optional Battery Pack | Discharge Current | Charge Current | Max. Load / Discharge Hour                                                                           |
|-----------------------|-------------------|----------------|------------------------------------------------------------------------------------------------------|
| BPC83    BPC84        | 6.4V, 3.6AH       | 0-500mA        | 0.45A, 2W@24 - 55V / 3H<br>0.65A, 3W@24 - 55V / 3H<br>0.85A, 4W@24-55V / 3H<br>1.05A, 5W@24-55V / 3H |

\*Please always check the latest datasheet for technical requirements-----<http://hytronik.com>

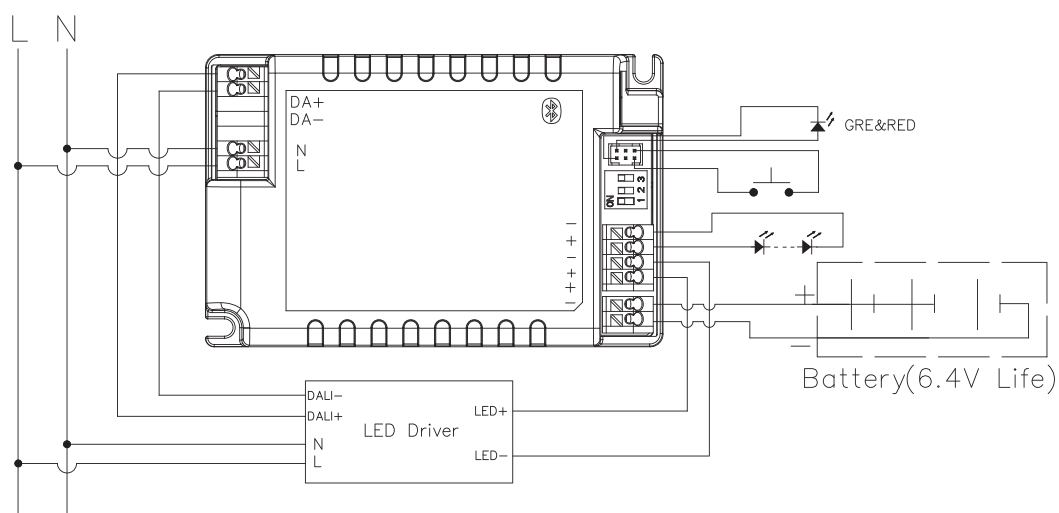


## Mechanical Structure (unit: mm)

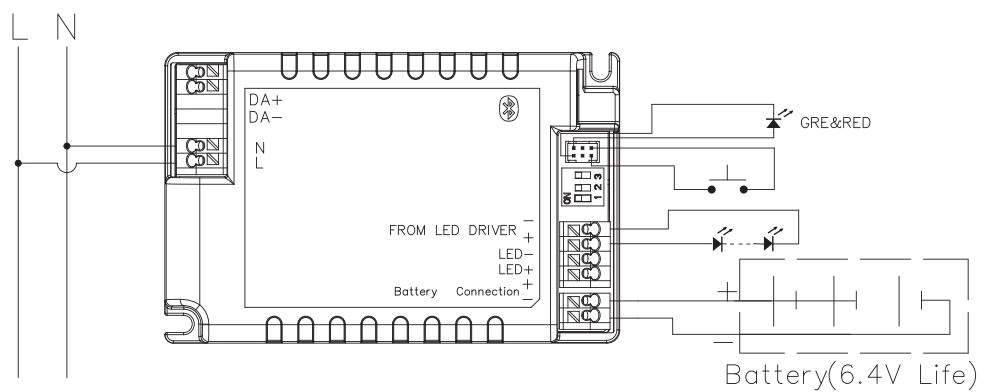


## Wiring Diagram

### Maintained



### Non-maintained



# Economy Emergency Inverter

Max. 12W EM Output

For DALI Dimmable Drivers



NEW



HBEM05 ECO

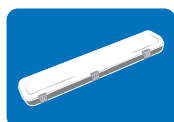
## Key Benefits

- Self-contained Emergency with self-test function
- EM power selection via DIP switch (6W/8W/10W/12W)
- Abnormal protection for short-circuit and over-heat
- Wireless monthly and annual EM tests via Koolmesh App
- Customized manual test switch (single press, long press)
- SELV classified (LED indicator, battery, test switch)
- 5 year design life for battery (up to 30°C ambient temperature)
- Battery life prediction and abnormal protection
- Designed for DALI dimmable drivers
- Add an emergency function to the main lighting fixtures

## Where it Fits



Bulkhead



Tri-proof



Combination  
Emergency Light

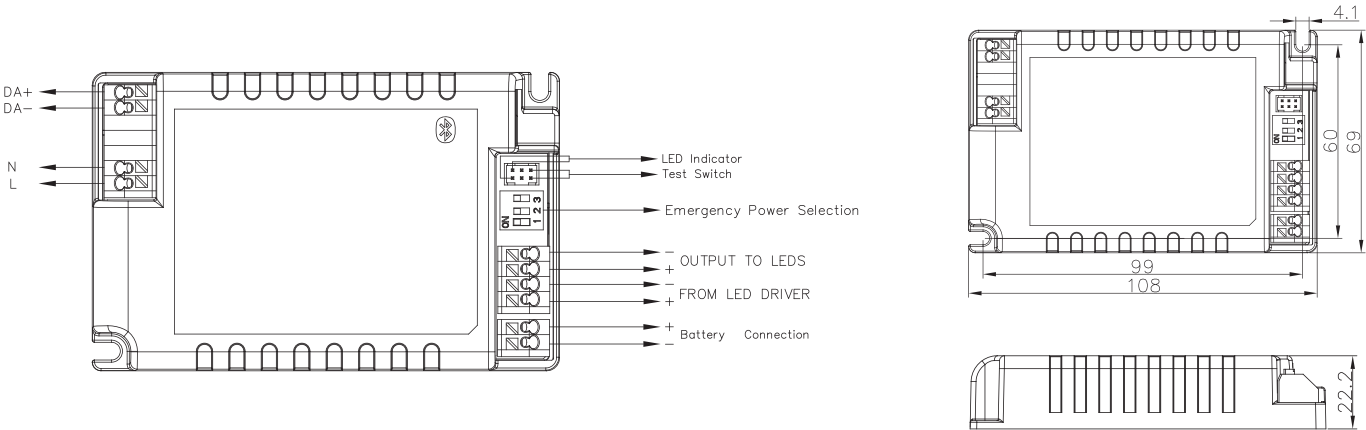
## Technical Specifications

| Designation | Input Voltage/<br>Input Current | Output Voltage<br>(Uout Max.) | In-rush Current (Imax.)/<br>Pulse Time | Emergency Output Power /<br>Current / Voltage Range                                                        |
|-------------|---------------------------------|-------------------------------|----------------------------------------|------------------------------------------------------------------------------------------------------------|
| HBEM05 ECO  | 220-240 VAC<br>max. 50mA        | 60V                           | 25A/80 μs                              | 6W / 250-100mA / 24-55V<br>8W / 330-145mA / 24-55V<br>10W / 415-180mA / 24-55V<br>12W / 500-220mA / 24-55V |

| Optional Battery Pack | Discharge Current | Charge Current | Max. Load / Discharge Hour                                                           |
|-----------------------|-------------------|----------------|--------------------------------------------------------------------------------------|
| BPC85                 | 12.8V, 3.6AH      | 0-500mA        | 0.6A, 6W@24-55V/3H<br>0.8A, 8W@24-55V/3H<br>1A, 10W@24-55V/3H<br>1.2A, 12W@24-55V/3H |

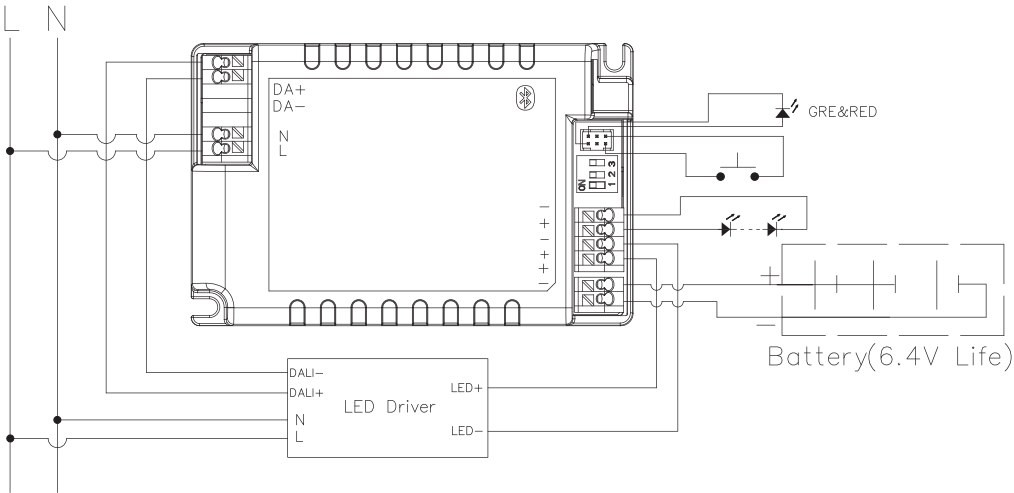
\*Please always check the latest datasheet for technical requirements-----<http://hytronik.com>

Mechanical Structure (unit: mm)

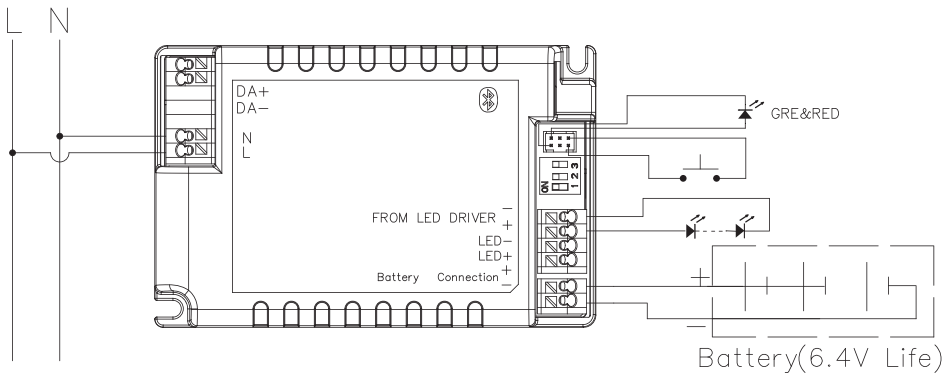


Wiring Diagram

Maintained



Non-maintained



\*Please always check the latest datasheet for technical requirements-----<http://hytronik.com>



# Economy Emergency Sign Maintained

Max. 4W Main & EM Output



(Maintain and non-maintain)

NEW



HBEM06 ECO

## Key Benefits

- Self-contained Emergency & LED drivers combination with self-test function
- Non-maintained and maintained operation
- Output selection via DIP switch
- 4W Low-Power Main Power Supply
- SELV classified (LED indicator, battery, test switch)
- Customized manual test switch (single press, long press)
- 5 year design life for battery (up to 30°C ambient temperature)
- Abnormal protection for short-circuit and over-heat
- Battery Life Prediction and abnormal protection
- Compact design suitable for Emergency exit Sign light
- Compatible with 2-wire/3-wire battery packs with temp protection

## Where it Fits



Emergency  
Exit Sign Light



Combination  
Emergency Light

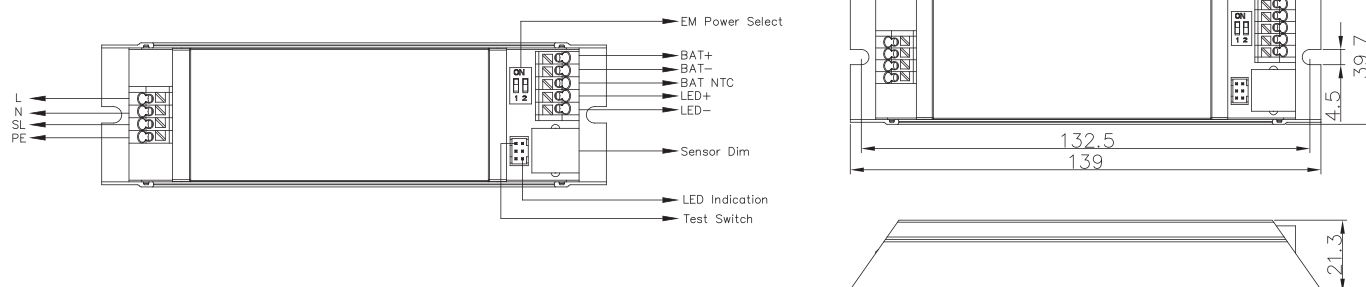
## Technical Specifications

| Designation | Input Voltage/<br>Input Current | Output Voltage<br>(Uout Max.) | Output Power | Output Power / Current /<br>Voltage Range                                |
|-------------|---------------------------------|-------------------------------|--------------|--------------------------------------------------------------------------|
| HBEM06 ECO  | 220-240 VAC<br>max. 50mA        | 15V                           | 1W/2W/4W     | 1W / 330-125mA / 3-8V<br>2W / 650-250mA / 3-8V<br>4W / 1300-500mA / 3-8V |

| Optional Battery Pack | Discharge Current | Charge Current | Max. Load / Discharge Hour                |
|-----------------------|-------------------|----------------|-------------------------------------------|
| BPC83    BPC84        | 6.4V, 3.6AH       | 0-500mA        | 0.4A   2W @3-8V/3H<br>0.85A   4W @3-8V/3H |

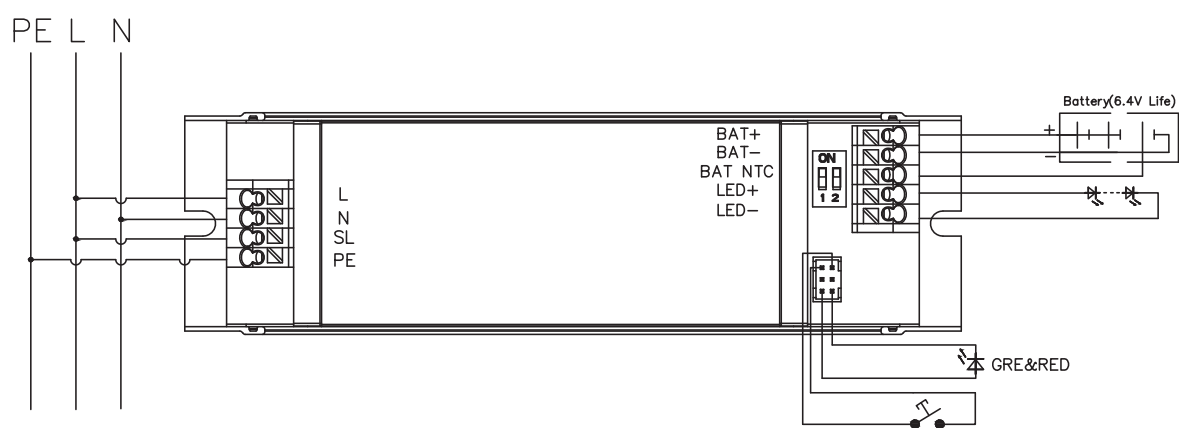
\*Please always check the latest datasheet for technical requirements-----<http://hytronik.com>

### Mechanical Structure (unit: mm)

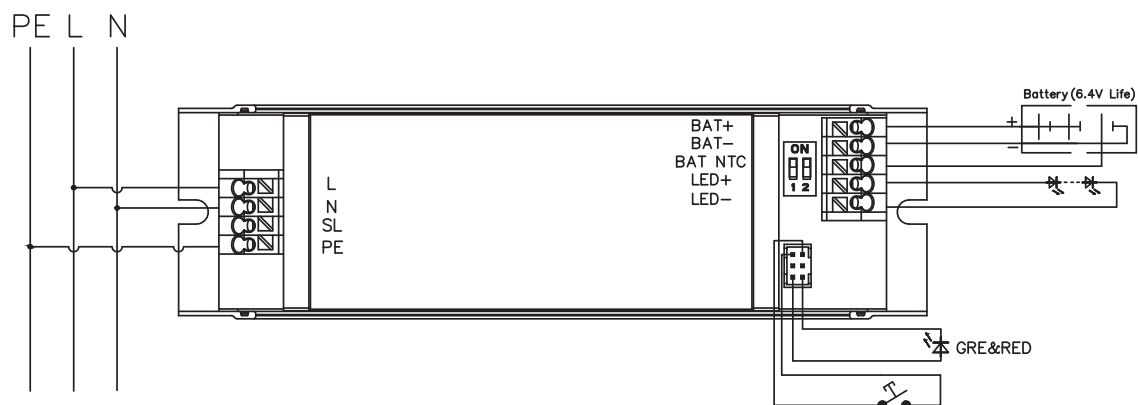


## Wiring Diagram

## SL Connection – Mains and Emergency Lighting



### No SL Connection – Emergency-Only Operation



\*Please always check the latest datasheet for technical requirements-----<http://hytronik.com>

# Battery Pack

## Compatible For:

HBEM01, HBEM02, HBEM03, HBEM04, HBEM06



**Battery Type**  
LiFePO4

**Specification**  
6.4V, 3.6Ah

**Size (mm)**  
105x53x27.5

**Recharge Time**  
24h



**Battery Type**  
LiFePO4

**Specification**  
6.4V, 3.6Ah

**Size (mm)**  
174.8x26.5x29

**Recharge Time**  
24h



## Compatible For:

HBEM05



**Battery Type**  
LiFePO4

**Specification**  
12.8V, 3.6Ah

**Size (mm)**  
100x56.5x66.5

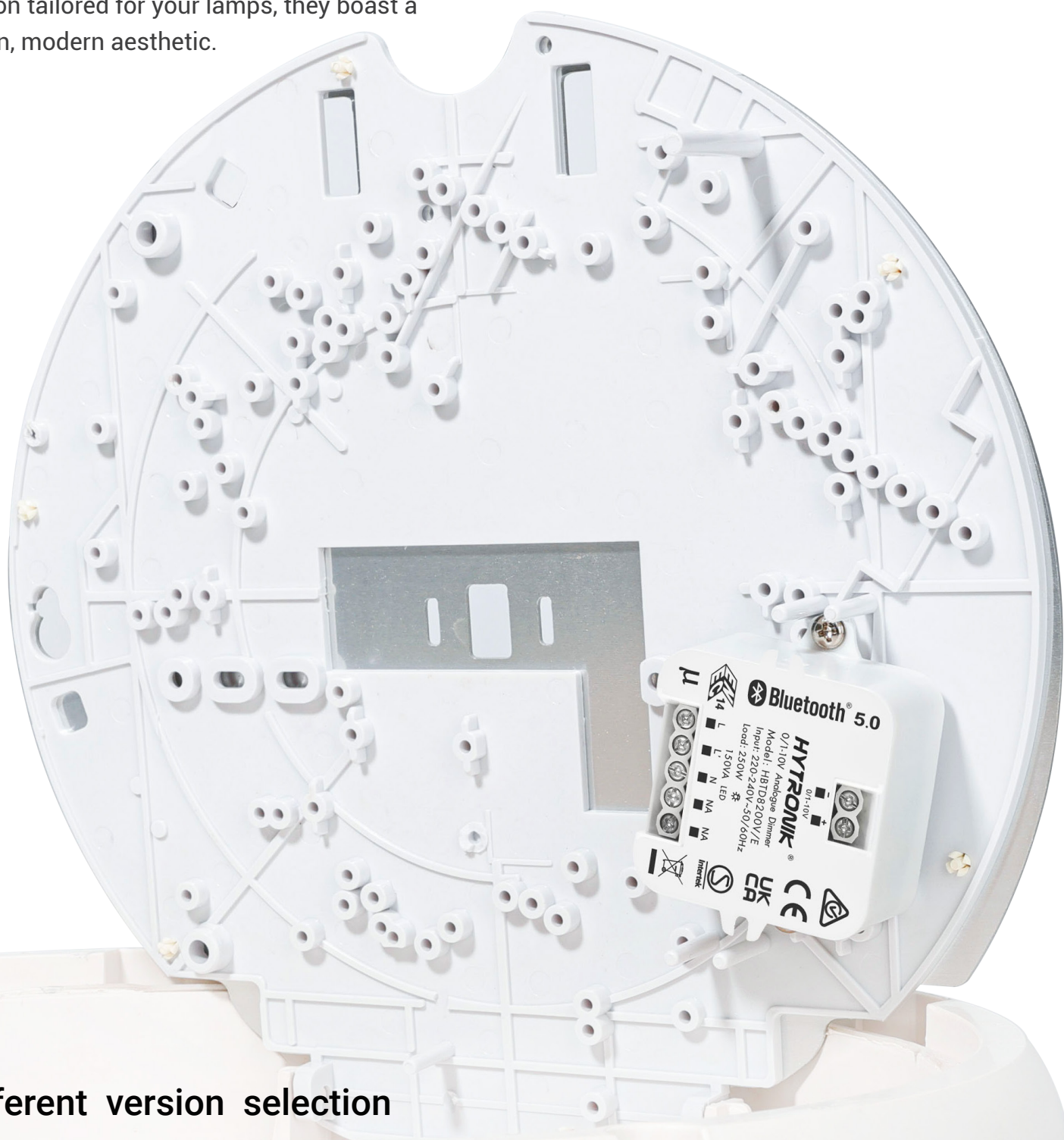
**Recharge Time**  
24h



# Economic Dimmers & Converters



Bluetooth wireless lighting controls seamlessly fit your specific needs. As a cost-effective option tailored for your lamps, they boast a clean, modern aesthetic.



## Different version selection

0/1-10V

DALI Broadcast Output



# Overview

## Controller for Built-in Luminaire

**DALI & 0/1-10V & On/Off & VFC**

| Designation                                                                                                   | Input Voltage | Output                | Bluetooth<br>Sensor-link | Push Switch | Application Type             | Page |
|---------------------------------------------------------------------------------------------------------------|---------------|-----------------------|--------------------------|-------------|------------------------------|------|
|  <b>NEW</b><br>HBTD8200V/E   | 220~240VAC    | 0/1-10V<br>150VA/250W | ✓                        | /           | Bluetooth to 0/1-10V Control |      |
|  HBTD8200D/E                 | 220~240VAC    | DALI<br>16mA PSU      | ✓                        | /           | Bluetooth to DALI Converter  |      |
|  <b>NEW</b><br>HCD038/BT ECO | 220~240VAC    | DALI<br>Max. 10mA     | ✓                        | /           | Bluetooth to DALI Converter  |      |

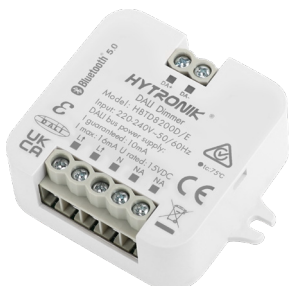
# Controller for Built-in Luminaire

0/1-10V

Bluetooth ↔ DALI Converter



HBTD8200V/E    BTB8200D/E

0/1-10V  
HBTD8200V/EDALI I max. 16mA  
HBTD8200D/E

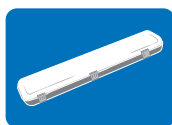
## Key Benefits

- Wireless DALI ↔ Bluetooth and 0/1-10V conversion for simple upgrades
- Support both DT6 and DT8 for dimming and turnable white (DALI/DALI-2 version)
- Enables wireless functionality for DALI lighting fixtures (DALI/DALI-2 version)
- Zero crossing detection circuit to reduce in-rush current (0/1-10V version)
- Enables customized light levels, colors, and scenes via Koolmesh App
- Small form factor for luminaire installation
- Suitable for retrofit and new-build projects

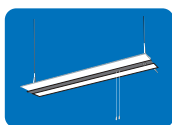
## Where it Fits



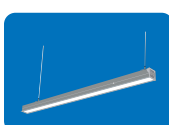
Bulkhead



Tri-proof

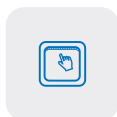


Pendant



Linear

## Main Functions

DALI Broadcast  
Output

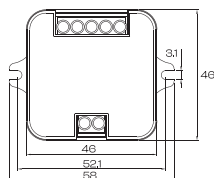
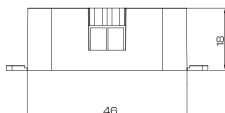
0 / 2 Push

Short-circuit  
protection

Overload protection

DT6 / DT8  
Lighting ControlD4i Driver  
CompatibilityDimming &  
turnable white

## Mechanical Structure (unit: mm)



## Technical Specifications

| Designation | Output interface/<br>Output Voltage | DALI Power Supply                                    | Load Ratings                          | Push Switch |
|-------------|-------------------------------------|------------------------------------------------------|---------------------------------------|-------------|
| HBTD8200V/E | 0/1-10V<br>220~240VAC 50/60Hz       | /                                                    | 150VA(capacitive),<br>250W(resistive) | /           |
| HBTD8200D/E | DALI/DALI-2<br>220~240VAC 50/60Hz   | I guaranteed: 10mA<br>I max: 16mA<br>U rated: 14-16V | /                                     | /           |

\*Please always check the latest datasheet for technical requirements-----<http://hytronik.com>

# Controller for Built-in Luminaire



Bluetooth ↔ DALI Converter



NEW



HCD038/BT ECO

## Key Benefits

- DALI broadcast output, I<sub>max</sub>: 10mA
- Support both DT6 and DT8 for dimming and turnable white
- Enables customized light levels, colors, and scenes via Koolmesh App
- Small form factor for luminaire installation
- Provide insulating cover accessories for standalone installation
- Enables wireless functionality for DALI lighting fixtures

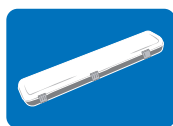
## Where it Fits



LED Panel



Bulkhead



Tri-proof



Pendant



Linear

## Main Functions



DALI Broadcast Output



Short-circuit protection



Overload protection



DT6 / DT8 Lighting Control

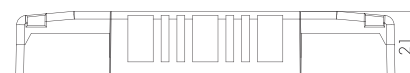
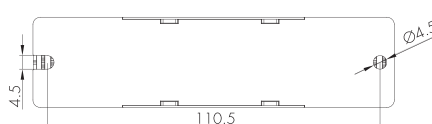
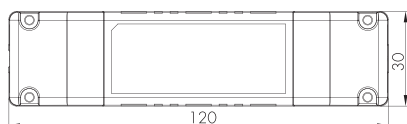


D4i Driver Compatibility



Dimming & turnable white

## Mechanical Structure (unit: mm)



## Technical Specifications

| Designation   | Operating Voltage  | DALI Power Supply                                | Stand-by Power | Push Switch |
|---------------|--------------------|--------------------------------------------------|----------------|-------------|
| HCD038/BT ECO | 220~240VAC 50/60Hz | DALI broadcast output<br>I <sub>max</sub> : 10mA | <1W            | /           |

\*Please always check the latest datasheet for technical requirements-----<http://hytronik.com>

# HYTRONIK INTERNATIONAL

## Hytronik UK:

Unit 3 Tallow Way, Fairhills Industrial Estate, Irlam,  
Manchester, M44 6RJ, United Kingdom  
E-mail: [info@hytronik.com](mailto:info@hytronik.com)

## Hytronik DACH:

Heinrich-Hertz-Straße 15 / 65582 Diez. Germany  
E-mail: [support\\_dach@hytronik.com](mailto:support_dach@hytronik.com)

## Hytronik Asia:

Pude Industrial Park, Dushi Village, Pingtan  
Town, Huiyang District, Huizhou City 516259  
E-mail: [info@hytronik.com](mailto:info@hytronik.com)

## Hytronik SVK & CZE:

Techlum s.r.o (Slovakia, Slovenia) Staré Grunty  
7A 841 04 Bratislava  
E-mail: [info@techlum.sk](mailto:info@techlum.sk)

## Hytronik Iberia & Latam:

Carrer del Moro Zeid, 11, Piso 3, Ciutat Vella,  
46001 Valencia  
E-mail: [support\\_es@hytronik.com](mailto:support_es@hytronik.com)

## Hytronik Finland:

Jaakonkatu 201620 Vantaa FINLAND

E-mail: [myynti@exaktor.fi](mailto:myynti@exaktor.fi)

## Hytronik Sweden:

Sven Källfelts Gata 210 426 71 Västra Frölunda

E-mail: [info@easyform.se](mailto:info@easyform.se)



# Essential Lighting. Maximum Value.



Future-proof your next project with the Hytronik Economic Series — the perfect balance of performance, reliability, and affordability.

**HYTRONIK**®  
SENSORS & LIGHTING CONTROL

**Koolmesh**®  
— TAILOR MAKE YOUR SOLUTION

Contact us:

[info@hytronik.com](mailto:info@hytronik.com)

