

Standard Electronic ballasts for ConstantColor™ CMH lamps

Product information

GE's range of electronic HID ballasts are designed to allow optimal performance of our Constant Color™ CMH lamps, offering reduced power consumption, regulated power through life, simplified circuitry and more stable lamp operation compared to electromagnetic systems.

Advantages of electronic ballasts

- Good regulation against supply voltage variation
- Improved lamp colour consistency
- Elimination of lamp flicker
- Reduced weight of control gear
- Reduced electrical power losses
- Ballast noise reduced/eliminated
- Single piece compact unit
- Reduced wiring complexity in the luminaire

Features

- Power Factor Correction
- Integral version with open terminals for embodiment into luminaire
- Remote versions with terminal cover and cable strain relief
- Remote version can be used up to 2m away from lamp
- Automatic lamp failure shut-down



Specification summary

Description	Version	Product Code
OT BLS/E/35W/CMH 220-240V ECO	Integral	61487
OT BLS/E/35W/CMH /R CC 220-240V ECO	Remote, cable clamp	61488
BLS/E/70W/CMH	Integral	61376
BLS/E/70W/CMH/R CC	Remote, cable clamp	61569



Technical data

Nominal Lamp Wattage [W]	Rated Lamp Wattage [W]	Product Code	Input Volts [V]	Input Wattage [W]	Input Current [A]	Input Power Factor
35	39	61487	220-240	44	0.19	0.95
35	39	61488	220-240	44	0.19	0.95
70	73	61376	220-240	81	0.36	0.95
70	73	61569	220-240	81	0.36	0.95

- Line voltage: 220-240Vac +/-10%, 50/60Hz
- Lamp operating frequency: 130Hz
- OCV-400Vrms (Vpk-4.0kV)
- High power factor

Application and performance specification information subject to change without notice.

Performance

- Meets EN61547 for EMC Immunity
- Meets EN55015 for Conducted EMI
- Meets EN61000-3-2 and EN61000-3-3 for EMC
- Peak current ratio < 1.5
- Short circuit protection
- Low frequency square wave
- Lamp EOL shutdown
- Ignition time out

Safety

- EN61347-1 EN61347-2-12
- RoHS compliant (Reduction in Hazardous Substances)
- Housing meets UL94V0 flame retardant

Application

- Minimum starting temperature: -4°F, -20°C
- Maximum ambient temperature: 131°F, 55°C (integral), 122° F, 50°C (remote)
- Maximum case temperature: 185°F, 85°C

Terminal wire

- Cross-section: 0.75 to 1.5mm²
- Strip Length: 8.5-9.5mm

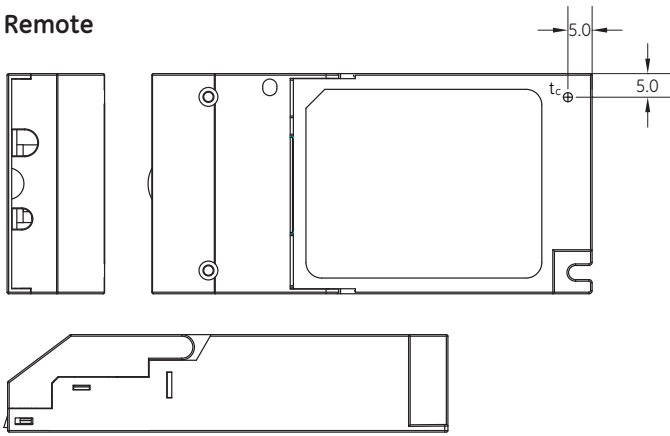
Warning: do not short output to ground or common.

Physical parameters

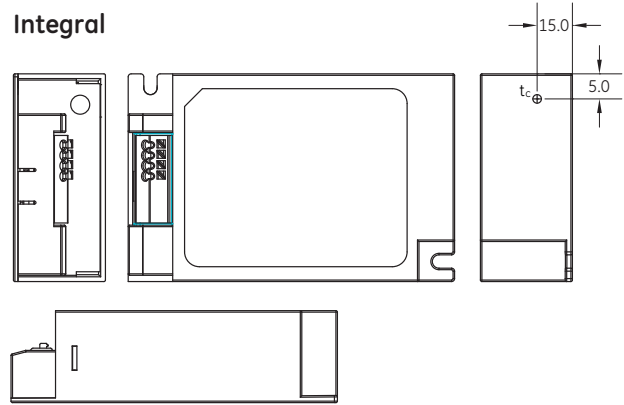
Product Codes	61487, 61376	61488, 61569
Weight	350g	370g
Case dimensions	70mm x 110mm x 31mm	70mm x 140mm x 31mm

T_c location (dimensions are in mm)

Remote

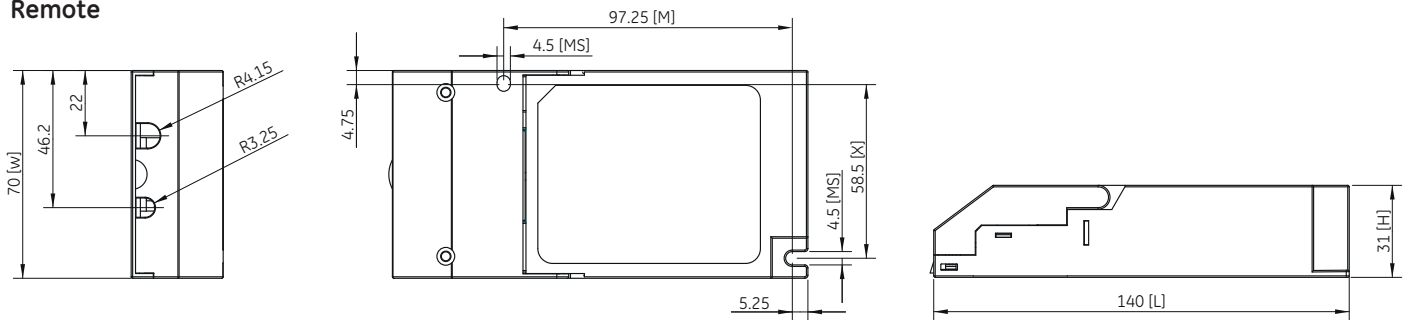


Integral

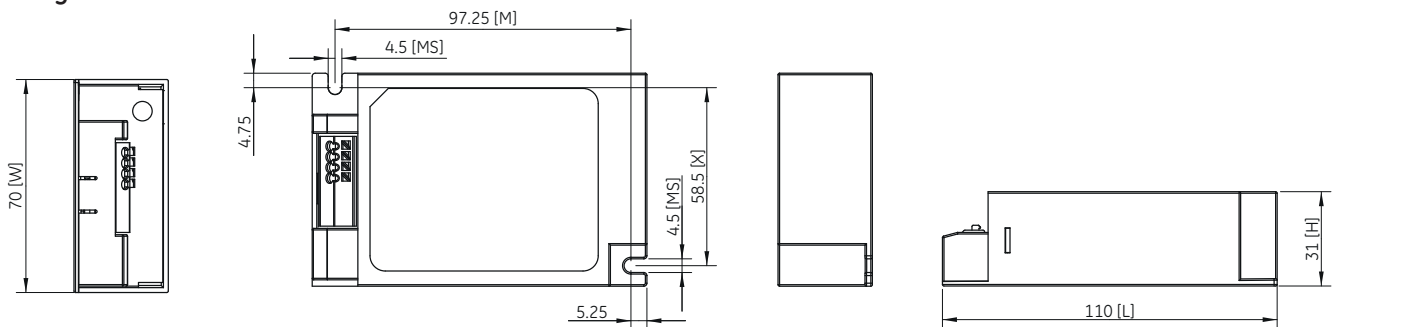


Physical parameters (dimensions are in mm)

Remote

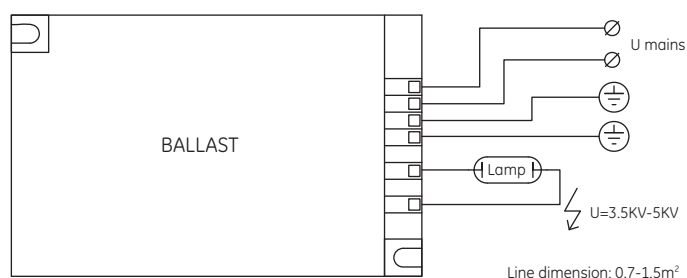


Integral



Product Code	Length [L]	Width [W]	Height [H]	Weight [g]	Length [M]	Mount Width [X]	Mount Slot [MS]
61487	110	70	31	350	97.25	58.5	4.5
61488	140	70	31	370	97.25	58.5	4.5
61376	110	70	31	350	97.25	58.5	4.5
61569	140	70	31	370	97.25	58.5	4.5

Wiring diagram



Line dimension: 0.7-1.5m²