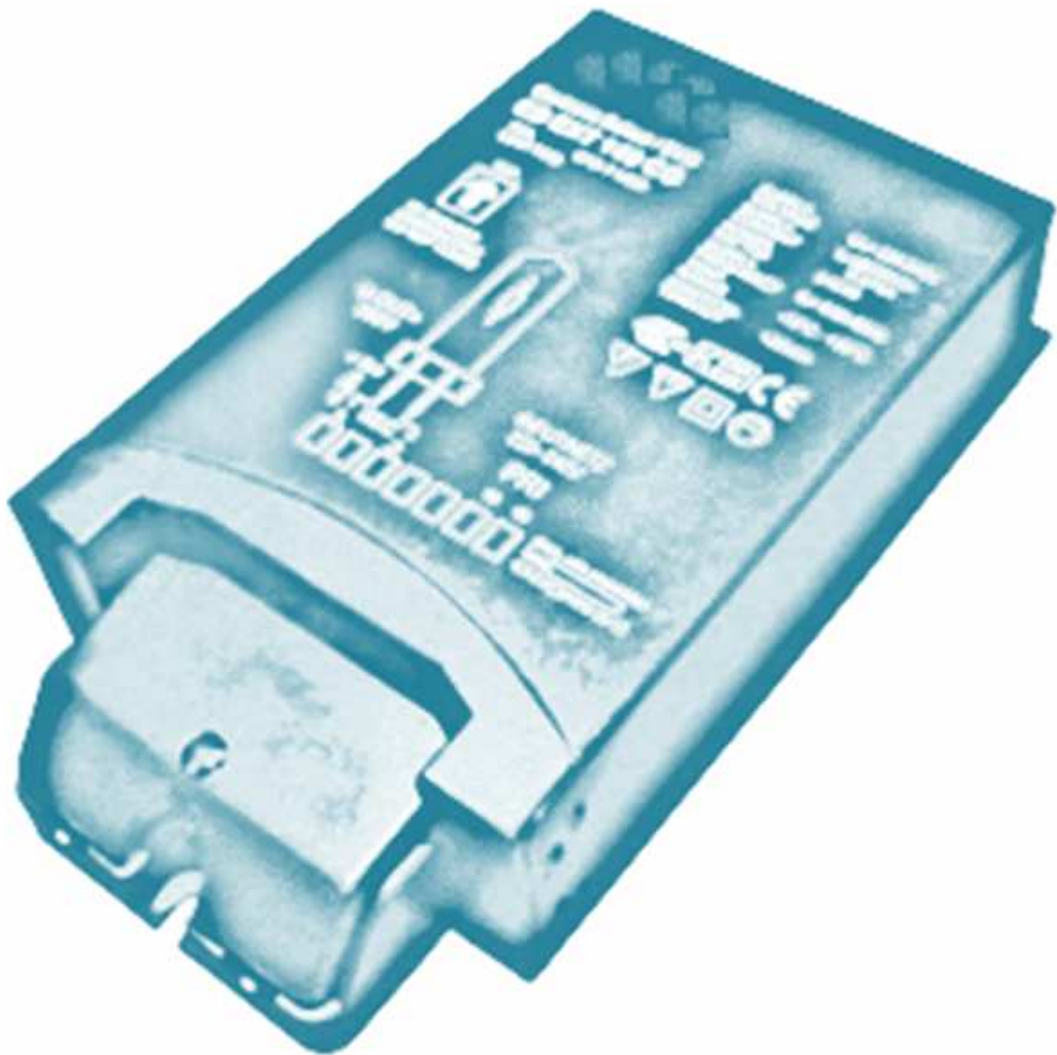




## ELECTRONIC BALLAST for HID Lamps

20 / 35 / 70 / 100 / 150 / 250W





ELECTRONIC BALLASTS FOR HID LAMPS

**HS** HIGH PRESSURE SODIUM VAPOUR LAMPS FOR STREET LINE APPLICATION  
**HI** METAL HALIDE LAMPS

Independent or Built in application

**IP 40**

A prova di penetrazione di oggetti solidi con diam. Superiore a 1mm - Non protetto allo stillicidio, pioggia e spruzzi  
 Protected against solid objects greater than 1mm - without protection for dripping, spraying, splashing water



**HS** HIGH PRESSURE SODIUM VAPOURLAMP FOR STREET LINE APPLICATION

70W	100W	150W	01
250W			02

**HI** METAL HALIDE LAMPS FOR UNIVERSAL APPLICATION

35W	70W	03
150W		04

Independent application



**IP 66**

Totamente protetto contro la polvere - Protetto contro le onde  
 Dust-tight - Protected against heavy seas

**HI** METAL HALIDE LAMPS FOR UNIVERSAL APPLICATION

20W	35W	70W	100W	150W	Cable version	05
20W	35W	70W	100W	150W	Quick version	06

**HID HS**  
Street line application  
Lamps

70W 100W 150W  
Electronic Ballast For HPSV and HI lamps  
EEL = A2

CE □ □  
F 110  
ta -15 +50°C



	Reference Standard		
Safety	EN 61347-1	EN 61347-2-12	EN 60598-1
Harmonic limit	EN 61000-3-2	R.F.I. Emissions	EN 55015
Immunity	EN 61547	Flicker	EN 61000-3-3

Input value 220 - 240 Vac (198-264Vac) 50 / 60 Hz -  $\lambda \geq 0,98$

- Flusso luminoso e potenza costante
- Stabilità del colore ed assenza di sfarfallio
- Durata vita lampada prolungata
- Tensione di innesco
- Massima distanza alimentatore / lampada
- Protezione con lampada difettosa o a fine vita
- Protezione termica integrata
- Protezione contro corto circuiti
- Case material
- Completamente resinato

5,0 kV  
< 20 min timeout  
2 m (200pF)

Tecnopolymer

- Constant luminous flux and wattage
- Fast colour and no flicker
- Extended life lamp
- Ignition voltage
- Maximum lamp / ballast distance
- Automatic cut-out with damage lamp
- Switch off in case of overtemperature
- Short circuit Protection
- Case material
- Completely potted

Production Range

Lamp		INPUT (max)		Model		Tc	weight	note	approval
W	A	W	A	Type	Order no.	+°C	Kg		
70	0,98	78	0,35	EB EXT 70 CG	701213010	70	0,50		
100	1,20	108	0,49	EB EXT 100 CG	701213020	75	0,50		05
150	1,80	163	0,72	EB EXT 150 CG	701213030	80	0,80		

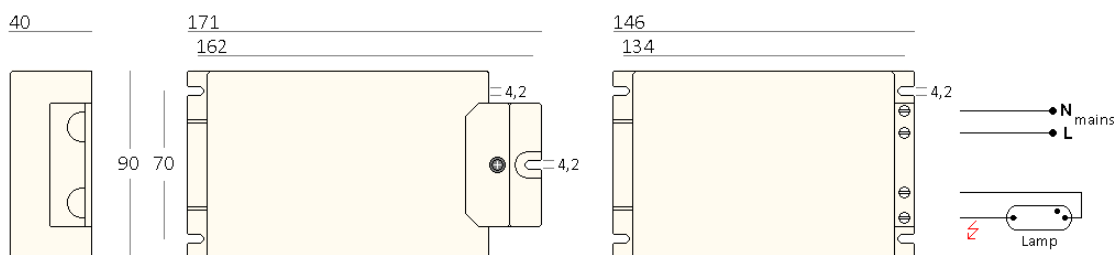
Dimensions and wiring diagram

<p>Independent <b>IP40</b> Con serracavo <i>With cable clamp</i> Class II</p>	<p>Built-in <b>IP20</b> Senza serracavo <i>Without cable clamp</i> Class I</p>
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Morsetti ad innesto rapido per cavi rigidi o flessibili

0,75 to 2,5mm<sup>2</sup>

Screwless terminals for solid and stranded cables






**HID HS**  
Street line application  
Lamps

250W

Electronic Ballast For HPSV and HI lamps

EEL = A2

CE    
F   
ta -15 +50°C



Reference Standard

Safety	EN 61347-1	EN 61347-2-12	EN 60598-1
Harmonic limit	EN 61000-3-2	R.F.I. Emissions	EN 55015
Immunity	EN 61547	Flicker	EN 61000-3-3

Input value 220 - 240 Vac (198-264Vac) 50 / 60 Hz -  $\lambda \geq 0,98$


- Flusso luminoso e potenza costante
- Stabilità del colore ed assenza di sfarfallio
- Durata vita lampada prolungata
- Tensione di innesco
- Massima distanza alimentatore / lampada
- Protezione con lampada difettosa o a fine vita
- Protezione termica integrata
- Protezione contro corto circuiti
- Case material
- Completamente resinato

5,0 kV  
< 20 min timeout  
2 m (200pF)

Extruded Aluminium  
Cover Tecnopolimero

- Constant luminous flux and wattage -*
- Fast colour and no flicker -*
- Extended life lamp -*
- Ignition voltage -*
- Maximum lamp / ballast distance -*
- Automatic cut-out with damage lamp -*
- Switch off in case of overtemperature -*
- Short circuit Protection -*
- Case material -*
- Completely potted -*

Production Range

Lamp		INPUT (max)		Model		Tc	weight	note	approval
W	A	W	A	Type	Order no.	+°C	Kg		
250	3,00	270 / 273	1,20	EB EXT 250 CG	701213035	85	1,20		

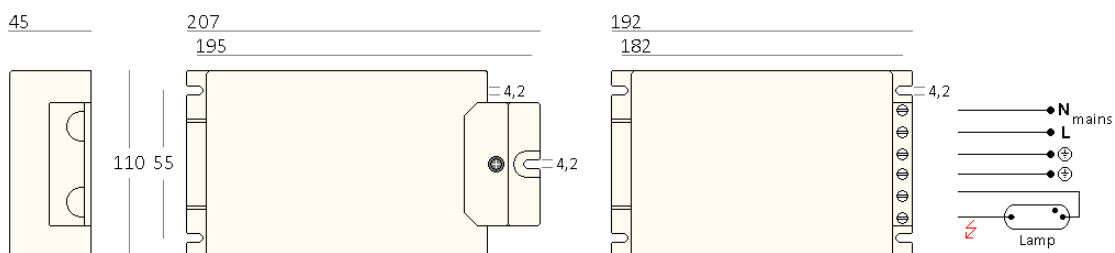
Dimensions and wiring diagram

Independent <b>IP40</b> Con serracavo <i>With cable clamp</i> Class II	Built-in <b>IP20</b> Senza serracavo <i>Without cable clamp</i> Class I
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Morsetti ad innesto rapido per cavi rigidi o flessibili



0,75 to 2,5mm<sup>2</sup>

Screwless terminals for solid and stranded cables



HID  
HI  
Lamps

35W 70W  
Electronic Ballast For HI lamps  
EEI = A2

CE    
F 110  
ta -15 +50°C



	Reference Standard		
Safety	EN 61347-1	EN 61347-2-12	EN 60598-1
Harmonic limit	EN 61000-3-2	R.F.I. Emissions	EN 55015
Immunity	EN 61547	Flicker	EN 61000-3-3

Input value 220 - 240 Vac (198-264Vac) 50 / 60 Hz -  $\lambda \geq 0,95$

- Flusso luminoso e potenza costante
- Stabilità del colore ed assenza di sfarfallio
- Durata vita lampada prolungata
- Tensione di innesco
- Massima distanza alimentatore / lampada
- Protezione con lampada difettosa o a fine vita
- Protezione termica integrata
- Protezione contro corto circuiti
- Case material


5,0 kV  
< 20 min timeout  
2 m (200pF)

Tecnopolimero

- Constant luminous flux and wattage
- Fast colour and no flicker
- Extended life lamp
- Ignition voltage

- Maximum lamp / ballast distance
- Automatic cut-out with damage lamp
- Switch off in case of overtemperature
- Short circuit Protection
- Case material

Production Range

Lamp		INPUT (max)		Model		Tc	weight	note	approval
W	A	W	A	Type	Order no.	+°C	Kg		
35	0,53	39	0,20	EB 35 T CG	701211181	70	0,25		
70	0,98	78	0,37	EB 70 T CG	701211183	75	0,28		

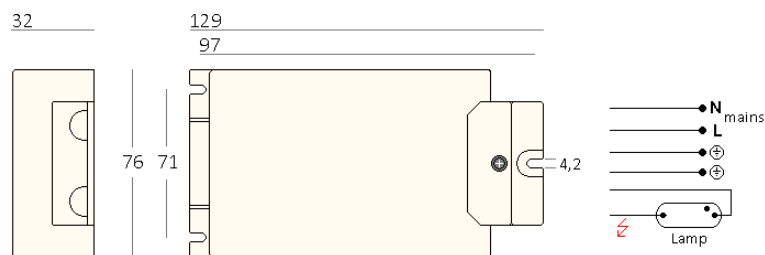
Dimensions and wiring diagram

Independent **IP40**  
Con serracavo With cable clamp  
Class II

Morsetti ad innesto rapido per cavi rigidi o flessibili

0,75 to 2,5mm<sup>2</sup>

Screwless terminals for solid and stranded cables

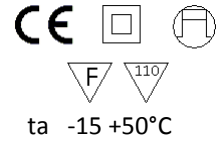


HID  
HI  
Lamps

150W

Electronic Ballast For HI lamps

EEL = A2



Reference Standard

Safety	EN 61347-1	EN 61347-2-12	EN 60598-1
Harmonic limit	EN 61000-3-2	R.F.I. Emissions	EN 55015
Immunity	EN 61547	Flicker	EN 61000-3-3

Input value 220 - 240 Vac (198-264Vac) 50 / 60 Hz -  $\lambda \geq 0,98$

- Flusso luminoso e potenza costante
- Stabilità del colore ed assenza di sfarfallio
- Durata vita lampada prolungata
- Tensione di innesco
- Massima distanza alimentatore / lampada
- Protezione con lampada difettosa o a fine vita
- Protezione termica integrata
- Protezione contro corto circuiti

5,0 kV  
< 20 min timeout  
2 m (200pF)

- Constant luminous flux and wattage -*
- Fast colour and no flicker -*
- Extended life lamp -*
- Ignition voltage -*

- Maximum lamp / ballast distance -*
- Automatic cut-out with damage lamp -*
- Switch off in case of overtemperature -*
- Short circuit Protection -*

Production Range

Lamp		INPUT (max)		Model	Order no.	Tc +°C	weight Kg	note	approval
W	A	W	A						
150	1,80	160	0,72	EB 150 T CG	701211151	70	0,50		

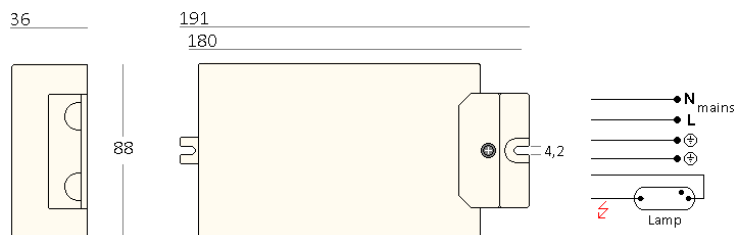
Dimensions and wiring diagram

Independent **IP40**  
Class II

Morsetti ad innesto rapido per cavi rigidi o flessibili




0,75 to 2,5mm<sup>2</sup>

Screwless terminals for solid and stranded cables



HID  
HI  
Lamps

20W 35W 70W 100W 150W  
Independent Electronic Ballast HI lamps  
**IP66** CABLE VERSION - EEI = A2

CE    
F  110  
ta -15 +50°C



	Reference Standard		
Safety	EN 61347-1	EN 61347-2-12	EN 60598-1
Harmonic limit	EN 61000-3-2	R.F.I. Emissions	EN 55015
Immunity	EN 61547	Flicker	EN 61000-3-3

Case Material: " Tecnopolimero "  
Glow wire test 850°C 5 sec

Input value 220 - 240 Vac (198-264Vac) 50 / 60 Hz -  $\lambda \geq 0,98$

- Flusso luminoso e potenza costante
- Stabilità del colore ed assenza di sfarfallio
- Durata vita lampada prolungata
- Tensione di innesco
- Massima distanza alimentatore / lampada
- Protezione con lampada difettosa o a fine vita
- Protezione termica integrata
- Protezione contro corto circuiti



5,0 kV  
< 20 min timeout  
2 m (200pF)

- Constant luminous flux and wattage -
- Fast colour and no flicker -
- Extended life lamp -
- Ignition voltage -

- Maximum lamp / ballast distance -
- Automatic cut-out with damage lamp -
- Switch off in case of overtemperature -
- Short circuit Protection -

Production Range

Lamp		INPUT (max)		Type	Model	Tc +°C	weight Kg	note	approval
W	A	W	A						
20	0,22	24	0,19	B EL 20 C	7720040EC	70	0,45		
35	0,53	43	0,20	B EL 35 C	7735040EC	75	0,60		
70	0,98	77	0,35	B EL 70 C	7770040EC	70	0,70		*
100	1,20	110	0,50	B EL 100 C	7710040EC	75	0,70		
150	1,80	161	0,75	B EL 150 C	7715040EC	80	0,90		

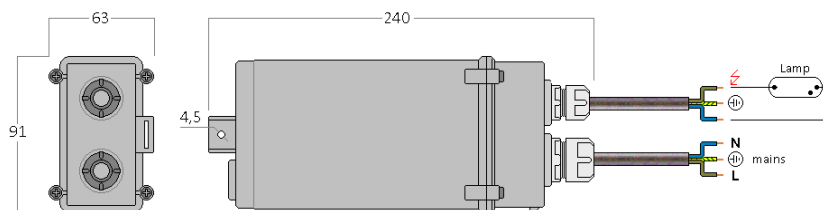
\* Equipped with electronic ballasts approved  

Dimensions and wiring diagram

Cavi flessibili:

L = 60cm 1,00 mm<sup>2</sup>  
Ø est. max. 11mm  
H07 RN-F


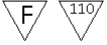
Flexible cable:





**HID  
HI  
Lamps**

**20W 35W 70W 100W 150W**  
**Independent Electronic Ballast HI lamps**  
**IP66 QUICK VERSION - EEI = A2**

**CE**   
  
**ta -15 +50°C**



	Reference Standard		
Safety	EN 61347-1	EN 61347-2-12	EN 60598-1
Harmonic limit	EN 61000-3-2	R.F.I. Emissions	EN 55015
Immunity	EN 61547	Flicker	EN 61000-3-3

Case Material: " Tecnopolimero "  
 Glow wire test 850°C 5 sec

Input value 220 - 240 Vac (198-264Vac) 50 / 60 Hz -  $\lambda \geq 0,98$

- Flusso luminoso e potenza costante
- Stabilità del colore ed assenza di sfarfallio
- Durata vita lampada prolungata
- Tensione di innesco
- Massima distanza alimentatore / lampada
- Protezione con lampada difettosa o a fine vita
- Protezione termica integrata
- Protezione contro corto circuiti



5,0 kV  
 < 20 min timeout  
 2 m (200pF)

- Constant luminous flux and wattage -*
- Fast colour and no flicker -*
- Extended life lamp -*
- Ignition voltage -*

- Maximum lamp / ballast distance -*
- Automatic cut-out with damage lamp -*
- Switch off in case of overtemperature -*
- Short circuit Protection -*

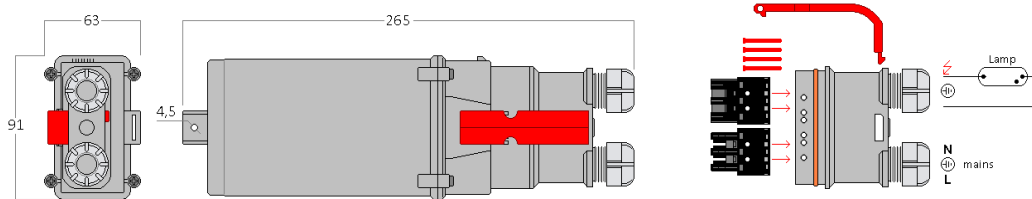
**Production Range**

Lamp		INPUT (max)		Type	Model	Tc +°C	weight Kg	note	approval
W	A	W	A						
20	0,22	24	0,19	B EL 20 Q	7720040EQ	70	0,45		
35	0,53	43	0,20	B EL 35 Q	7735040EQ	75	0,60		
70	0,98	77	0,35	B EL 70 Q	7770040EQ	70	0,70		*
100	1,20	110	0,50	B EL 100 Q	7710040EQ	75	0,70		
150	1,80	161	0,75	B EL 150 Q	7715040EQ	80	0,90		

\* Equipped with electronic ballasts approved  

**Dimensions and wiring diagram**

Connettore sezionabile ad innesto rapido Per cavi : 16A 1,0... 2,5mm<sup>2</sup> Ø est. 9...14mm H07 RN-F or similar *Separating screwless terminals*  
 For cables:





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*in collaborazione con*



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