

INGRESSO

- Nominale AC: 220/240 Vac ^{-10/+10 %} 50/60Hz.
- Range DC: 196/250 Vdc per applicazioni d'emergenza secondo EN 61347-2-13 Annex J nel Campo nominale 196/250Vdc
- Morsettiera 1 x 0.5... 1.5 mm².
- Corrente massima: 0.30 A.
- Fattore di potenza λ: 0.9 @ Pout >18W
- Armoniche corrente assorbita: secondo EN 61000-3-2.
- Inrush current: 5A 50uS.

USCITA

- Isolamento SELV.
- Morsettiera 1 x 0,5...1.5 mm².
- Selezione corrente e tensione di uscita tramite NFC e tool software di programmazione.
- Potenza massima e precisione di corrente:
 - 16,2W @ 300mA ± 5% (10...54V)
 - 18,9W @ 350mA ± 5% (10...54V)
 - 21,6W @ 400mA ± 5% (10...54V)
 - 24,3W @ 450mA ± 5% (10...54V)
 - 27,0W @ 500mA ± 5% (10...54V)
 - 29,7W @ 550mA ± 5% (10...54V)
 - 32,4W @ 600mA ± 5% (10...54V)
 - 35,1W @ 650mA ± 5% (10...54V)
 - 37,8W @ 700mA ± 5% (10...54V)
 - 40,5W @ 750mA ± 5% (10...54V)
 - 43,2W @ 800mA ± 5% (10...54V)
 - 45,9W @ 850mA ± 5% (10...54V)
 - 48,6W @ 900mA ± 5% (10...54V)
 - 51,3W @ 950mA ± 5% (10...52,6V)
 - 52,0W @ 1000mA ± 5% (10...52V)
 - 52,0W @ 1050mA ± 5% (10...49,5V)
 - 52,0W @ 1100mA ± 5% (10...47,3V)
 - 52,0W @ 1150mA ± 5% (10...45,3V)
 - 52,0W @ 1200mA ± 5% (10...43,3V)
 - 52,0W @ 1250mA ± 5% (10...41,6V)
 - 52,0W @ 1300mA ± 5% (10...40V)
 - 52,0W @ 1350mA ± 5% (10...38,5V)
 - 52,0W @ 1400mA ± 5% (10...37,2V)
- Tensione in uscita massima: <60 VDC.
- Efficienza massimo carico@1400mA:89,5%
Efficienza massimo carico@950mA:91,5%

REGOLAZIONE

- Regolabile con segnale DALI (EN 62386 101/102 ed. 2).
- AM DIMMING 1-100% (corrente minima 10mA).
- Pulsante collegabile su lato primario tra fase e morsetto DA (impedenza 170Kohm).
- Ripristino del livello di regolazione al ritorno dell'alimentazione (regolazione PUSH-SWITCH).
- Possibilità di abilitare BILEVEL N.
- Funzione CLO a 20 step.
- DT50 / DT51 / DT52.

INPUT

- Nominal AC: 220/240 Vac ^{-10/+10 %} 50/60Hz.
- Range DC: 196/250 Vdc for emergency application according to EN 61347-2-13 Annex J in the rated 196/250Vdc
- Terminal block for up to 1 x 0.5...1.5 mm².
- Max Input Current: 0.30A.
- Power factor λ: 0.9 @ Pout >18W.
- Harmonic content of mains current: according to EN 61000-3-2.
- Inrush current: 5A 50uS.

OUTPUT

- SELV insulation on output.
- Terminal block for up to 1 x 0,5...1.5 mm².
- Selection of current and voltage output through NFC and software programming tool.
- Max output power and current precision:
 - 16,2W @ 300mA ± 5% (10...54V)
 - 18,9W @ 350mA ± 5% (10...54V)
 - 21,6W @ 400mA ± 5% (10...54V)
 - 24,3W @ 450mA ± 5% (10...54V)
 - 27,0W @ 500mA ± 5% (10...54V)
 - 29,7W @ 550mA ± 5% (10...54V)
 - 32,4W @ 600mA ± 5% (10...54V)
 - 35,1W @ 650mA ± 5% (10...54V)
 - 37,8W @ 700mA ± 5% (10...54V)
 - 40,5W @ 750mA ± 5% (10...54V)
 - 43,2W @ 800mA ± 5% (10...54V)
 - 45,9W @ 850mA ± 5% (10...54V)
 - 48,6W @ 900mA ± 5% (10...54V)
 - 51,3W @ 950mA ± 5% (10...52,6V)
 - 52,0W @ 1000mA ± 5% (10...52V)
 - 52,0W @ 1050mA ± 5% (10...49,5V)
 - 52,0W @ 1100mA ± 5% (10...47,3V)
 - 52,0W @ 1150mA ± 5% (10...45,3V)
 - 52,0W @ 1200mA ± 5% (10...43,3V)
 - 52,0W @ 1250mA ± 5% (10...41,6V)
 - 52,0W @ 1300mA ± 5% (10...40V)
 - 52,0W @ 1350mA ± 5% (10...38,5V)
 - 52,0W @ 1400mA ± 5% (10...37,2V)
- Max. Output voltage: <60 VDC.
- Efficiency at full load@1400mA:89,5%
Efficiency at full load@950mA:91,5%

DIMMING

- Dimmable by DALI (EN 62386 101/102 ed. 2).
- AM DIMMING 1-100% (min current 10mA).
- Terminal block on primary side for push button; connection between phase and DA terminal block (Impedance 170Kohm).
- Dimming level memory at mains restore (for PUSH-SWITCH dimming).
- BILEVEL N function as option.
- 20 step CLO function.
- DT50 / DT51 / DT52.

ENTE EMITTENTE: DT Compilato _____ Visto _____

- Impostazione funzionamento in alimentazione DC per emergenza. Default corrente di uscita 15%.

PROTEZIONI

- All'ingresso, contro sovratensioni impulsive di rete (secondo EN 61547).
- Protezione al corto circuito e al circuito aperto.
- Thermal and overload protection (C.5.a EN 61347-1).
- Against input overvoltages from mains (according to EN61547) up to 2KV N-L , 3KV N-GND and 3KV L-GND.

FILTRO ANTIDISTURBO EMI

- Secondo EN55015.

AMBIENTE

- Temp. ambiente: -25...50 °C.
- tc max = 80 °C.
- tc life 50000H = 80°C.
- Contenitore metallico IP20.

SICUREZZA

- Hi-pot test: LN vs SEC @ 3kV, 100%.
- Hi-pot test: (LN e SEC) vs Terra @ 2kV, 100%

NORMATIVE

- EN 61347-1 ; EN 61347-2-13 ; EN 61547 ; EN 55015 ; EN 61000-3-2 ; EN62384 ; DIN VDE 0710 teil 14.
- EN 62386-101, EN 62386-102, EN 62386-207, DALI2.
- DiiA Extensions ,DT50, DT51, DT52.
- KEMA KEUR / ENEC05 pending.

DIMENSIONI

- L=280mm / B=30 mm / H = 21 mm.

- Configurable behaviour in DC emergency. Default output current 15%.

PROTECTIONS

- Against input overvoltages from mains (according to EN61547).
- Against short circuit and open circuit.
- Protezione al sovraccarico e di temperatura (C.5.a della EN 61347-1).
- All'ingresso, contro sovratensioni impulsive di rete (secondo EN 61547) fino a 2KV N-L , 3KV N-GND e 3KV L-GND.

EMI

- According to EN55015.

AMBIENT

- Ambient Temp.: -25....50 °C.
- tc max = 80 °C.
- tc life 50000H = 80°C.
- Metal case IP20.

SAFETY

- Hi-pot test: LN vs SEC @ 3kV, 100%.
- Hi-pot test: (LN and SEC) vs GND@ 2kV,100%

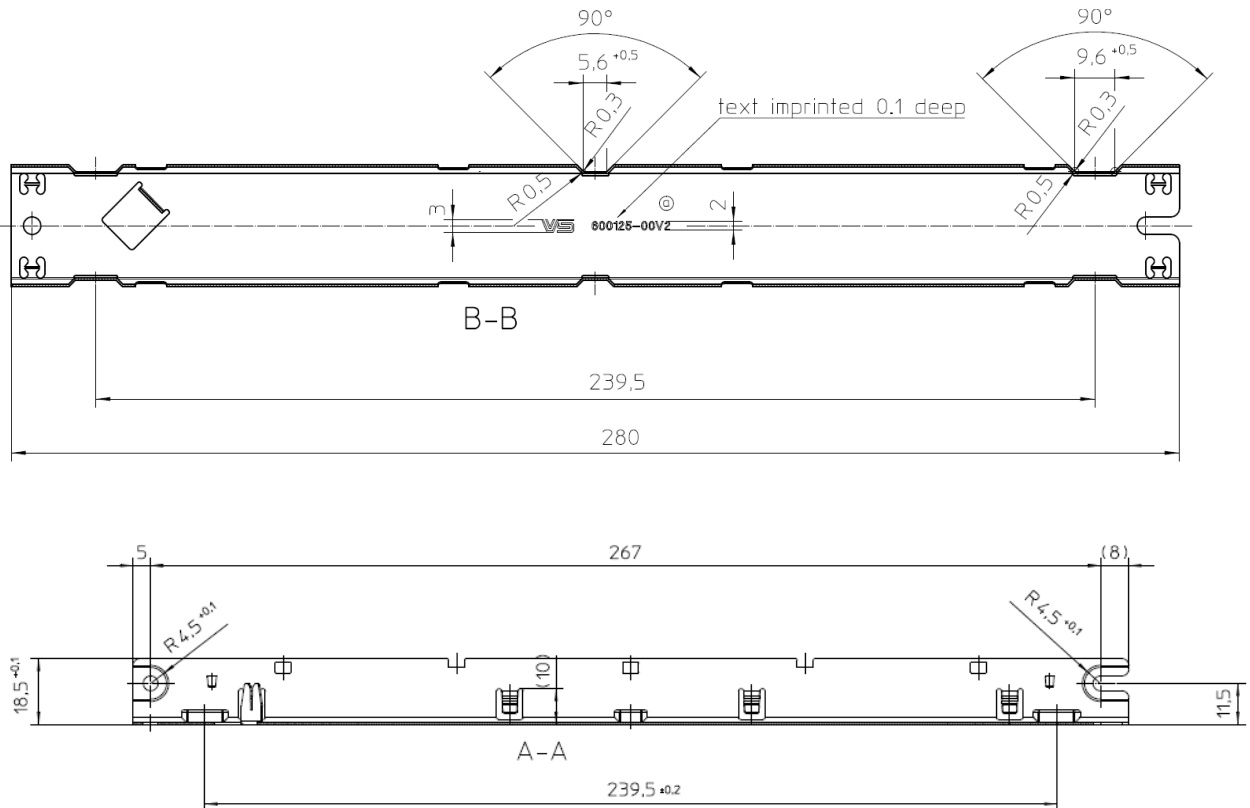
STANDARDS

- EN 61347-1 ; EN 61347-2-13 ; EN 61547 ; EN 55015 ; EN 61000-3-2 ; EN62384 ; DIN VDE 0710 teil 14.
- EN 62386-101, EN 62386-102, EN 62386-207, DALI2.
- DiiA Extensions DT50, DT51, DT52.
- KEMA KEUR / ENEC05 pending.

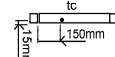
DIMENSIONS

- L=280mm / B=30 mm / H = 21 mm.

ENTE EMITTENTE: DT Compilato _____ Visto _____



PRI: 220-240Vac 50-60Hz
 $I_{max}=0,3A$; $\lambda (P>18W)=0,9C$
 SEC: 300-1400mA; 52Wmax
 $U_{out}<60Vdc$
 $t_a = -25...50^{\circ}C$; $t_c=80^{\circ}C$
 176-275Vdc range x emerg. app.; $I_{max}=0,3A$



Designed to work with DALI-2 systems



REGOLAZIONE PUSH-SWITCH

Regolazione della luminosità 0/1 - 100 % mediante la funzione PUSH SWITCH (tensione di rete):

- una pressione breve per accendere e spegnere;
- una pressione prolungata per aumentare o diminuire l'intensità luminosa;
- la regolazione si ferma automaticamente ai valori minimi e massimi;
- per un nuovo comando accensione, regolazione o spegnimento, rilasciare il pulsante e dare nuovamente il comando desiderato;
- ripristino del livello di dimming al ritorno alimentazione;
- tenendo abilitato lo SWITCH per almeno 10 secondi è possibile portare al 30% il livello di regolazione;
- tenendo abilitato lo SWITCH per almeno 60 secondi è possibile abilitare la funzione **BILEVEL N**:
 - tenere premuto per mantenere il 100%;
 - al rilascio il FADE OFF è di 30 secondi, con livello 10%;
 - il tempo di PROLONG è 30 minuti, poi OFF.

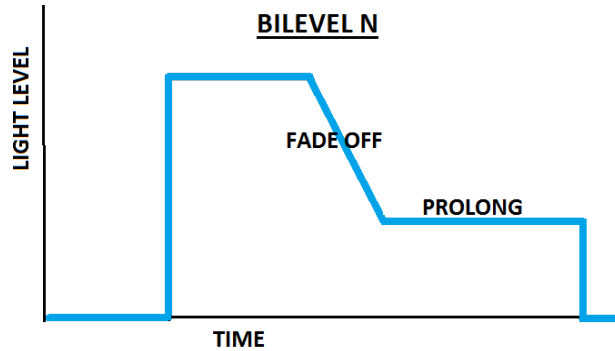
PUSH-SWITCH DIMMING

Light regulation 0/1 - 100 % by means of PUSH SWITCH function (mains voltage):

- a short push to turn on and off;
- a longer push to increase or decrease light intensity;
- regulation automatically stops at minimum and maximum values;
- for another on, regulation or off command, release the push button and give the desired command again;
- dimming level memory at mains restore;

ENTE EMITTENTE: DT Compilato _____ Visto _____

- keep enabled the SWITCH for at least 10 seconds to reset the dimming level to 30%;
- keep enabled the SWITCH for at least 60 seconds to enable **BILEVEL N** function:
 - keep pressed for 100% level;
 - FADE OFF time is 30 seconds, light level 10%;
 - PROLONG time is 30 minutes, then OFF.



DALI Interface – supported commands

| Command | Command Name | Implemented / Reaction |
|-----------|---------------------------------------|------------------------|
| - | DIRECT ARC POWER CONTROL | yes |
| 0 | OFF | yes |
| 1 | UP | yes |
| 2 | DOWN | yes |
| 3 | STEP UP | yes |
| 4 | STEP DOWN | yes |
| 5 | RECALL MAX LEVEL | yes |
| 6 | RECALL MIN LEVEL | yes |
| 7 | STEP DOWN AND OFF | yes |
| 8 | ON AND STEP UP | yes |
| 9 | ENABLE DAPC SEQUENCE | yes |
| 16 – 31 | GOTO SCENE | yes |
| 32 | RESET | yes |
| 33 | STORE ACTUAL LEVEL IN THE DTR | yes |
| 42 | STORE THE DTR AS MAX LEVEL | yes |
| 43 | STORE THE DTR AS MIN LEVEL | yes |
| 44 | STORE THE DTR AS SYSTEM FAILURE LEVEL | yes |
| 45 | STORE THE DTR AS POWER ON LEVEL | yes |
| 46 | STORE THE DTR AS FADE TIME | yes |
| 47 | STORE THE DTR AS FADE RATE | yes |
| 64 – 79 | STORE THE DTR AS SCENE | yes |
| 80 – 95 | REMOVE FROM SCENE | yes |
| 96 – 111 | ADD TO GROUP | yes |
| 112 – 127 | REMOVE FROM GROUP | yes |
| 128 | STORE DTR AS SHORT ADDRESS | yes |
| 129 | ENABLE WRITE MEMORY | yes |

ENTE EMITTENTE: DT Compilato _____ Visto _____

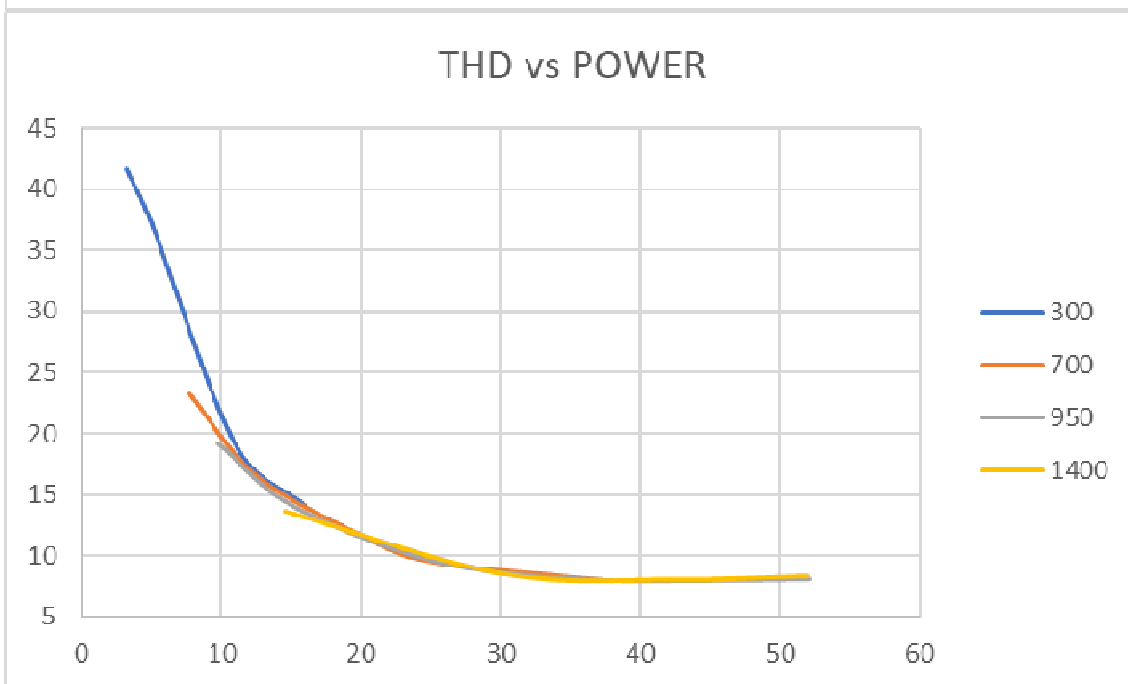
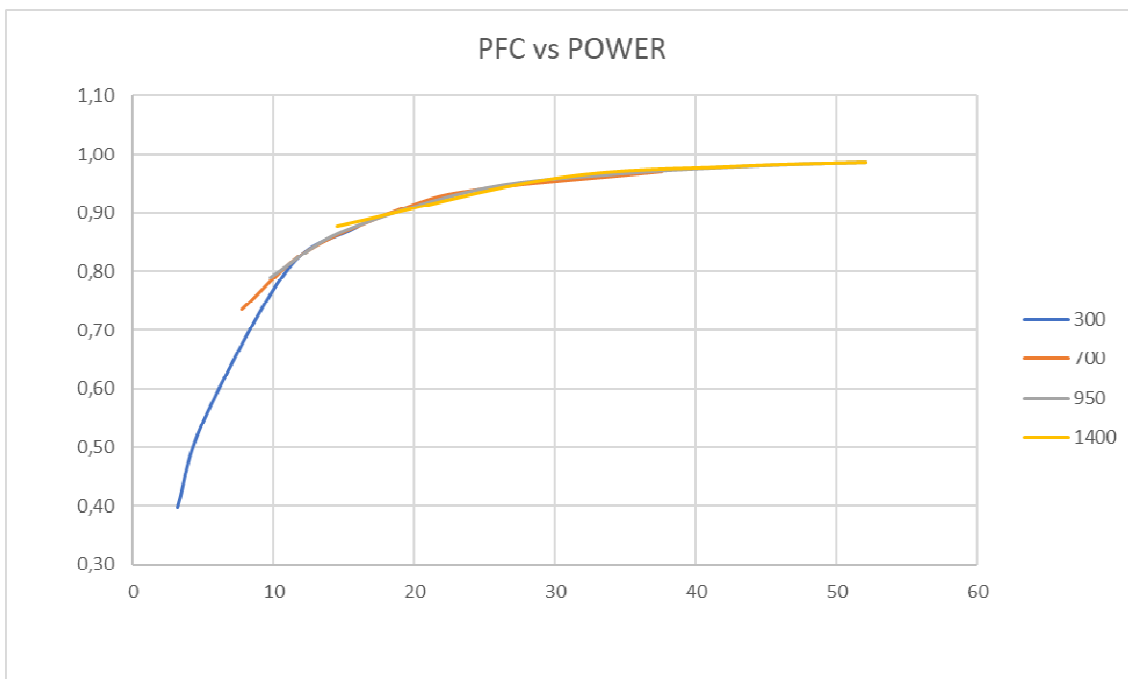
| Command | Command Name | Implemented / Reaction |
|-----------|---------------------------------|------------------------|
| 144 | QUERY STATUS | yes |
| 145 | QUERY CONTROL GEAR | yes |
| 146 | QUERY LAMP FAILURE | Yes*** |
| 147 | QUERY LAMP POWER ON | yes |
| 148 | QUERY LIMIT ERROR | yes |
| 149 | QUERY RESET STATE | yes |
| 150 | QUERY MISSING SHORT ADDRESS | yes |
| 151 | QUERY VERSION NUMBER | yes |
| 152 | QUERY CONTENT DTR | yes |
| 153 | QUERY DEVICE TYPE | yes |
| 154 | QUERY PHYSICAL MINIMUM LEVEL | yes |
| 155 | QUERY POWER FAILURE | yes |
| 156 | QUERY CONTENT DTR1 | yes |
| 157 | QUERY CONTENT DTR2 | yes |
| 160 | QUERY ACTUAL LEVEL | yes |
| 161 | QUERY MAX LEVEL | yes |
| 162 | QUERY MIN LEVEL | yes |
| 163 | QUERY POWER ON LEVEL | yes |
| 164 | QUERY SYSTEM FAILURE LEVEL | yes |
| 165 | QUERY FADE TIME/FADE RATE | yes |
| 176 – 191 | QUERY SCENE LEVEL (SCENES 0-15) | yes |
| 192 | QUERY GROUPS 0-7 | yes |
| 193 | QUERY GROUPS 8-15 | yes |
| 194 | QUERY RANDOM ADDRESS (H) | yes |
| 195 | QUERY RANDOM ADDRESS (M) | yes |
| 196 | QUERY RANDOM ADDRESS (L) | yes |
| 197 | READ MEMORY LOCATION | yes |
| 224 | REFERENCE SYSTEM POWER | No |
| 225 | ENABLE CURRENT PROTECTOR | No |
| 226 | DISABLE CURRENT PROTECTOR | No |
| 227 | SELECT DIMMING CURVE | yes |
| 228 | STORE DTR AS FAST FADE TIME | yes |
| 229 | --- | NA |
| 230 | --- | NA |
| 231 | --- | NA |
| 232 | --- | NA |
| 233 | --- | NA |
| 234 | --- | NA |
| 235 | --- | NA |
| 236 | --- | NA |
| 237 | QUERY GEAR TYPE | yes |

ENTE EMITTENTE: DT **Compilato** _____ **Visto** _____

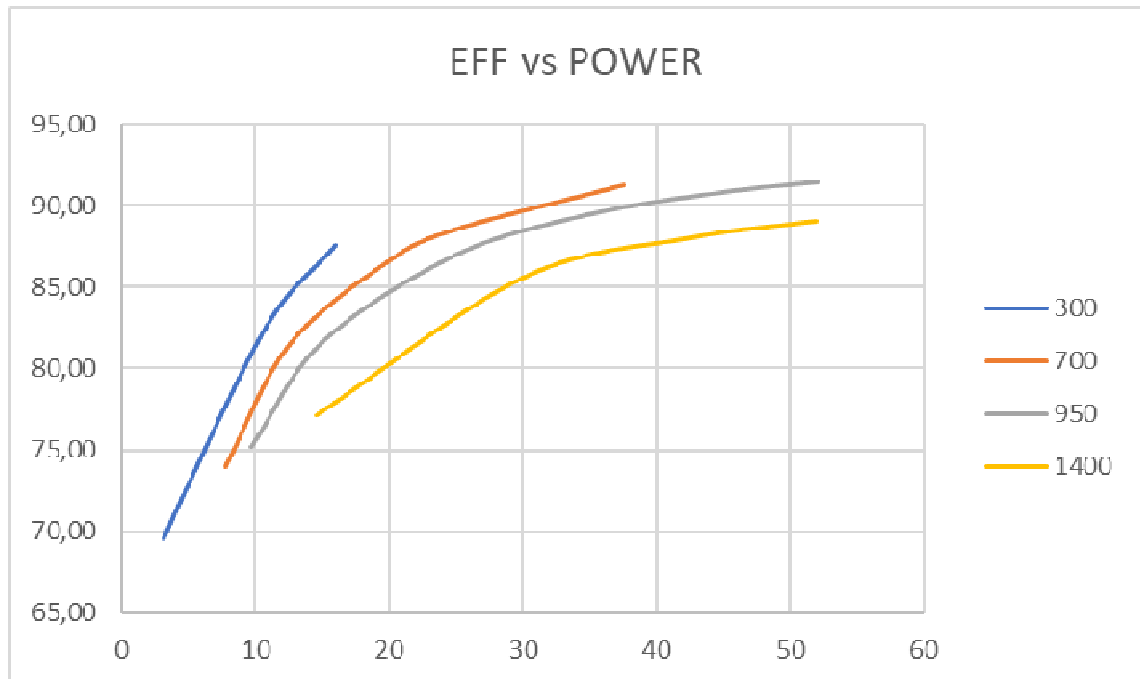
| Command | Command Name | Implemented / Reaction |
|---------|------------------------------------|------------------------|
| 238 | QUERY DIMMING CURVE | yes |
| 239 | QUERY POSSIBLE OPERATING MODES | yes |
| 240 | QUERY FEATURES | yes |
| 241 | QUERY FAILURE STATUS | yes |
| 242 | QUERY SHORT CIRCUIT | yes |
| 243 | QUERY OPEN CIRCUIT | yes |
| 244 | QUERY LOAD DECREASE | no |
| 245 | QUERY LOAD INCREASE | no |
| 246 | QUERY CURRENT PROTECTOR ACTIVE | no |
| 247 | QUERY THERMAL SHUT DOWN | yes |
| 248 | QUERY THERMAL OVERLOAD | yes |
| 249 | QUERY REFERENCE RUNNING | no |
| 250 | QUERY REFERENCE MEASUREMENT FAILED | no |
| 251 | QUERY CURRENT PROTECTOR ENABLED | no |
| 252 | QUERY OPERATING MODE | yes |
| 253 | QUERY FAST FADE TIME | yes |
| 254 | QUERY MIN FAST FADE TIME | yes |
| 255 | QUERY EXTENDED VERSION NUMBER | yes |
| 256 | TERMINATE | yes |
| 257 | DATA TRANSFER REGISTER (DTR) | yes |
| 258 | INITIALISE | yes |
| 259 | RANDOMISE | yes |
| 260 | COMPARE | yes |
| 261 | WITHDRAW | yes |
| 264 | SEARCHADDRH | yes |
| 265 | SEARCHADDRM | yes |
| 266 | SEARCHADDRL | yes |
| 267 | PROGRAM SHORT ADDRESS | yes |
| 268 | VERIFY SHORT ADDRESS | yes |
| 269 | QUERY SHORT ADDRESS | yes |
| 270 | PHYSICAL SELECTION | Not implemented |
| 272 | ENABLE DEVICE TYPE 6 | yes |
| 273 | DATA TRANSFER REGISTER 1(DTR1) | yes |
| 274 | DATA TRANSFER REGISTER 2(DTR2) | yes |
| 275 | WRITE MEMORY LOCATION | yes |

*In assenza del segnale DALI l'alimentatore eroga la massima potenza.
The power supplier is at maximum power with DALI signal missing*

ENTE EMITTENTE: DT Compilato _____ Visto _____



ENTE EMITTENTE: DT Compilato _____ Visto _____



ENTE EMITTENTE: _____ Compilato: _____ Visto: _____