

Technical specification

GAC-616 Global DALI-2

Input

- Nominal: 220-240 Vac \pm 10% 50/60Hz.
- Terminal block 0,5 mm² cables, double insulated BLU, single isolated BROWN for L-N inputs
- Max Input Current: 0,20A.
- Power factor λ_{max} : 0.95 @ full load 1050mA.
- Harmonic content of mains current: according to EN 61000-3-2.
- Inrush current: 20A 500uS.

Output

- SELV insulation on output.
- Terminal block, up to 1 x 0,4...0,8 mm²
- Selection of current and voltage output through Dip switch.
- Max output power and current precision @ 220-240Vac:

| |
|--------------------------|
| 12.6W @ 300mA (5...42V) |
| 14.7W @ 350mA (5...42V) |
| 16.8W @ 400mA (5...42V) |
| 18.9W @ 450mA (5...42V) |
| 21.0W @ 500mA (5...42V) |
| 23.1W @ 550mA (5...42V) |
| 25.2W @ 600mA (5...42V) |
| 27.3W @ 650mA (5...42V) |
| 29.4W @ 700mA (5...42V) |
| 31.5W @ 750mA (5...42V) |
| 33.6W @ 800mA (5...42V) |
| 34.0W @ 850mA (5...40V) |
| 36.0W @ 900mA (5...40V) |
| 38.0W @ 950mA (5...40V) |
| 40.0W @ 1000mA (5...40V) |
| 42.0W @ 1050mA (5...40V) |

- Max. Output voltage: 60VDC.
- Efficiency @full load: 85%.

Dimming

- AM/PWM controlled by DALI signal.
Minimum dimming level 1%.

Protections

- Against input overvoltages from mains (according to EN61547) up to 2KV N-L
- Against short circuit and open circuit.
- Thermal protection (C.5.e from EN 61347-1).

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Emi

- According to EN55015.

Ambient

- Tc on C15 = 75°C.
- Tc life 50000H on C15 = 75°C.
- Case IP00

Safety

- Hi-pot test: 3.75 kV, 100% for 2 sec.

Standards

Low voltage directive(2014/35/EU):

- EN61347-1:2015,EN61347-2-13:2014,EN 62493:2015,Comply to EN60598-1:2015+A1:2018

EMC Directive(2014/30/EU):

- EN55015:2013+A1:2015(ClassII,naked PCB&with housing into grounded track), EN61547:2009, EN61000-3 2:2009- Class C, EN61000-3-3:2013, EN 61000-4-5:2014-Level 4

DALI:

- EN62386-101:2014,EN62386-102:2014,EN62386-207:2009

Dip Switch Settins:

| Pout | Iout | 1 | 2 | 3 | 4 | Pout | Iout | 1 | 2 | 3 | 4 |
|------------|--------------|---|----|----|----|------------|---------------|----|----|----|----|
| 13W | 300mA | - | - | - | - | 29W | 700mA | ON | - | - | - |
| 15W | 350mA | - | - | - | ON | 32W | 750mA | ON | - | - | ON |
| 17W | 400mA | - | - | ON | - | 34W | 800mA | ON | - | ON | - |
| 19W | 450mA | - | - | ON | ON | 34W | 850mA | ON | - | ON | ON |
| 21W | 500mA | - | ON | - | - | 36W | 900mA | ON | ON | - | - |
| 23W | 550mA | - | ON | - | ON | 38W | 950mA | ON | ON | - | ON |
| 25W | 600mA | - | ON | ON | - | 40W | 1000mA | ON | ON | ON | - |
| 27W | 650mA | - | ON | ON | ON | 42W | 1050mA | ON | ON | ON | ON |

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Technical Dimensions:

