



Product data

Specification item	Value	Unit
Product name	GAC-616 MINI DALI (White)	
Order code	127945W	
EAN (GTIN)	6413630000113	
Pieces per box	10	
Product weight	130	Gr
Made in	Finland	

Electrical input data

Specification item	Value	Unit	Condition
Rated input voltage	220...240	Vac	
Input voltage AC range	198...264	Vac	
Input voltage DC range	176...275	Vdc	Factory default 15% EOFi= 0,13
Rated input frequency	50...60	Hz	
Rated input current	0,200	A	Referred to Vin = 230 V, 100% load
Rated input power	45,4	W	Referred to Vin = 230V, 100% load
Power factor	0,95	λ	Pout > 13W
THD	< 10	%	Referred to Vin = 230 V, 100% load
Efficiency	89	%	Referred to Vin = 230 V, 100% load
Stand-by Power	< 0,5	W	
Isolation input to output	SELV		

Electrical output data

Specification item	Value	Unit	Condition
Regulation method	Constant current		
Output voltage	5...42	Vdc	
Output voltage max.	59	V	Open load
Output current	300...1050	mA	
Output current min programmable	300	mA	
Output current min dimming	7	mA	
Output current tolerance	5	%	
Output power	1,5...40	W	
Output current ripple	< 4	%	
Output Pst LM	< 1		
Output SVM	< 0,4		

Operating window 230V

Pout W	Vout DC	Iout mA
12,6	5...42	300
14,7	5...42	350
16,8	5...42	400
18,9	5...42	450
21	5...42	500
23,1	5...42	550
25,2	5...42	600
27,3	5...42	650
29,4	5...42	700
31,5	5...42	750
33,6	5...42	800
34	5...42	850
36	5...42	900
38	5...42	950
40	5...42	1000
40	5...42	1050

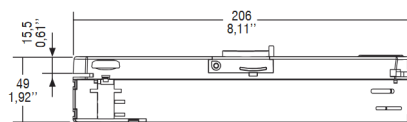
Electrical data controls input

Specification item	Value	Unit	Condition
Control method	DALI-2, Pulsante N/A, CLO		
Dimming range	1...100%	%	

Wiring and connections

Specification item	Value	Unit	Condition
Output wires cross section	0.2...1.5 / 24...15	mm ² / AWG	LED
Output wire strip length	8.5...9.5	mm	
Max. cable length		cm	Max. LED distance see page info 8

Dimensions



WARNING: During installation do not exceed the limit indicated - - Risk of breakage.
ATTENZIONE: In fase di installazione non superare questo limite - - Pericolo di rottura.

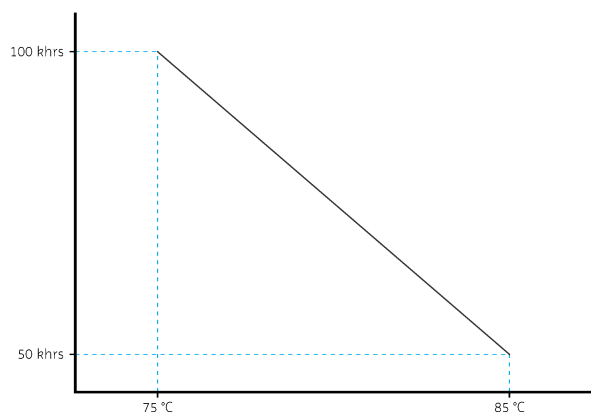
Insulation

Specification item	Output	Controls	Earth
Input	double or reinforced	double or reinforced	N/A
Output	N/A	double or reinforced	N/A

Operation temperatures and humidity

Specification item	Value	Unit	Condition
Ambient temperature	0...35	°C	
T _c	85	°C	Maximum temperature measured at T _c point
Maximum housing temperature	110	°C	In case of failure

Temperature/Life



Storage temperature and humidity

Specification item	Value	Unit	Condition
Ambient temperature	-30...85	°C	
Relative humidity	5...85	%	Non condensing

Programmable features

Specification item	Available	Default setting	Condition
Set Adjustable Output Current (AOC)	DIP-SWITCH	1050mA	
Constant Light Output (CLO)	Yes	OFF	
Push Switch	Yes	ON	
Min Dimming Level	Yes	1%	
DC emergency level	Yes	OFF	Default 15% EOFi range = 1...100%
DALI part 251	Yes	OFF	

Features

Specification item	Value	Condition
Open load	Yes	
Short circuit	Yes	
Over load and thermal protection	Yes	C.5.a
Hot plug	No	
Suitable for fixtures with protection class	class I/II	
Emergency Lighting (EL)	Yes	
DALI part 101	Yes	
DALI part 102	Yes	
DALI part 207	Yes	
DALI part 252	Yes	
DALI part 253	Yes	

In rush current

Specification item	Value	Unit	Condition
In rush current	5/50	A / usec	
Drivers / MCB 16A type B	50	pcs	

Driver touch current / protective conductor current

Specification item	Value	Unit	Condition
Typical Protective Conductor Current	0,5	mA	

Surge immunity

Specification item	Value	Unit	Condition
Mains surge immunity (diff. mode)	2	kV	
Mains surge immunity (comm. mode)	4	kV	

Application info

Specification item	Value
Approval marks	CE ENEC EAC
Application	230V track adaptors
Mounting type	built-in

Performance curves

