UL Product iQ™



FKSZ2.E337596 - Light-emitting-diode Drivers - Component

Light-emitting-diode Drivers - Component

See General Information for Light-emitting-diode Drivers - Component

GLACIALTECH INC E337596

6th Fl 346 Sec 2 Jung Shan Rd

Jung He District

New Taipei, 235 TAIWAN

LED Driver, Class 2 output, Model(s) GP-HS15P-36C(X),(X) = ZZZ and Z may be A through Z, 0 through 9 or blank for marketing purpose only.

LED Driver, isolated **LPS output**, Model(s) GP-LP048P-28zzz #, GP-LP050P-12zzz #, GP-LP050P-24zzz #, GP-LP050P-36zzz #, GP-LP050P-48zzz #, GP-LP060P-12zzz #, GP-LP060P-24zzz #, GP-LP075P-16zzz #, GP-LP075P-18zzz #, GP-LP075P-19zzz #, GP-LP075P-19zzz #, GP-LP075P-19zzz #, GP-LP075P-19zzz #, GP-LP075P-24zzz #, GP-LP075P-24zzz #, GP-LP075P-24zzz #, GP-LP075P-25zzz #, GP-LP075P-36zzz #, GP-LP075P-36zzz #, GP-LP075P-50zzz #

LED Driver, isolated output, Model(s) GP-LS050P-12XYZ@, GP-LS050P-24XYZ@, GP-LS050P-36XYZ@, GP-LS050P-48XYZ@, GP-LS070P-12XYZ@, GP-LS070P-24XYZ@, GP-LS070P-30XYZ@, GP-LS070P-36XYZ@, GP-LS070

LED Drivers Other Than Class 2, Model(s) GP-LC6672-32D, GP-LV6672-32D

LED Drivers, Isolated Class 2 Output, Model(s) GP-HS60P-24C1zzz(\$), GP-HS60P-24CA1zzz(\$), GP-HSwwP-xxCyzzz(*), GP-HSwwP-xxCyzzz(**), GP-HSwwP-xxCyzzz(**), GP-LCA048-32D, GP-LCA36-32D, GP-LCB024-32D, GP-LVA048-32D, GP-LVB024-32D, GP-RSwwP-xxCyzzz(**), GP-RSwwP-xxCyzzz(**), GP-TL3536-26, GP-TL7018-26, GP-TL7512-27, GP-TL3724-27, GP-TL2536-27, GP-TL4012-26, GP-TL4014-26

LED drivers, isolated output, Model(s) GP-LS100P-12XYZ@, GP-LS100P-24XYZ@, GP-LS100P-30XYZ@, GP-LS100P-36XYZ@, GP-LS100P-48XYZ@, GP-LS120P-48XYZ@, GP-LS150P-48XYZ@, GP-LS150P-48XYZ@, GP-LS150P-30XYZ@, GP-LS150P-30XYZ@, GP-LS150P-42XYZ@, GP-LS150P-48XYZ@

	Supply			Input					Outpu	ıt					Trof	Moss	Wired		Phase
Model. No.	Supply Conn. Method	Volts (V)	Freq (Hz)	Power (W)	Amps (A)	Туре	Volts (V)	Freq (Hz)	Power (W)		Type ^[a]	Env. Loc.	Type HL	Type TL		Tref	Control Circuit		cut
GP-CVM100F A means dim purposes onl	ming fund						-	-	_			-							mable,
	Leads	100- 277Vac	50/60	-	1.5	Non- isolated	12Vdc	-	99.6	8.3	CV, Isolated	Wet	-	-	-	-	b	а	а
GP-CVM100F A means dim purposes onl	ming fund						-	-	_			-							mable,
	Ledds	277Vac	30,00		1.3	isolated	21740		100.0	1.2	Isolated	1100						ľ	
	•																		
A means dim purposes onl GP-CVM100F A means dim purposes onl	Leads P-48VyZZZ ming fund	100- 277Vac Z where x					•	_	_			•							a mable,
GP-CVM100F A means dim	Leads P-48VyZZZ ming fund	100- 277Vac Z where x	x = 12, 2		r 48 me	isolated	utput vo	_	rating i	n unit V	Isolated /dc where	y can be					ans non-	dim	
GP-CVM100F A means dim purposes onl	Leads 2-48VyZZZ ming fund y. Leads 2-12VyZZZ ming fund	100- 277Vac Z where x: ction with	x = 12, 2 3 in 1, 50/60 x = 12, 2	D mean	r 48 me s dimm	isolated eans the or ling functi Non- isolated eans the or	utput vo	DALI -	rating ii where Z 100.8 rating ii	n unit V	Isolated /dc where be any all CV, Isolated /dc where	y can be ohanum Wet y can be	eric ch	- c, A or	D, bla	lank fo	ans non r marke b ans non	-dim ting a	mable ,
GP-CVM100F A means dim purposes onl GP-CVM200F A means dim	Leads 2-48VyZZZ ming fund y. Leads 2-12VyZZZ ming fund	100- 277Vac Z where x: ction with	x = 12, 2 3 in 1, 50/60 x = 12, 2	D mean	r 48 me s dimm	isolated eans the or ling functi Non- isolated eans the or	utput vo	DALI -	rating ii where Z 100.8 rating ii	n unit V	Isolated /dc where be any all CV, Isolated /dc where	y can be ohanum Wet y can be	eric ch	- c, A or	D, bla	lank fo	ans non r marke b ans non	-dim ting a	mable ,
GP-CVM100F A means dim purposes onl GP-CVM200F A means dim	Leads 2-48VyZZZ ming fund y. Leads 2-12VyZZZ ming fund y. Leads	100- 277Vac Z where x ction with 100- 277Vac Z where x ction with 100- 277Vac	x = 12, 2 3 in 1, 50/60 x = 12, 2 3 in 1, 50/60 x = 12, 2	24, 36 o D mean	1.5 r 48 mes dimm	Non-isolated Non-isolated Non-isolated Non-isolated Non-isolated	48Vdc utput vo	ltage DALI	rating ii where Z 100.8 rating ii where Z 200.4 rating ii	2.1 unit V ZZ can unit V ZZ can	Isolated /dc where be any ali CV, Isolated /dc where be any ali CV, Isolated /dc where /dc where	y can be	e blanleric ch	- c, A or aracte	D, bla	- ank me lank fo	b ans non- r marker b ans non- ans non-	a a dim	a mable,

A means dimming function with 3 in 1, D means dimming function with DALI where ZZZ can be any alphanumeric character or blank for marketing

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purposes only.

	Leads	100- 277Vac	50/60	-	3.15	Non- isolated	36Vdc	-	198	5.5	CV, Isolated	Wet	-	-	-	-	b	а	a
GP-CVM200P- A means dimn purposes only	ning fun						-	-	_			-							mable,
,	Leads	100- 277Vac	50/60	-	3.15	Non- isolated	48Vdc	-	199.2	4.15	CV, Isolated	Wet	-	-	-	-	b	а	а
GP-CVM300P-	-						-	-	_			-							mable,
purposes only																			
	Leads	100- 277Vac	50/60	-	5	Non- isolated	12Vdc	-	249.6	20.8	CV, Isolated	Wet	-	-	-	-	b	а	а
GP-CVM300P-24VyZZZ where xx = 12, 24, 36 or 48 means the output voltage rating in unit Vdc where y can be blank, A or D, blank means non-dimmabl A means dimming function with 3 in 1, D means dimming function with DALI where ZZZ can be any alphanumeric character or blank for marketing purposes only.															mable,				
	Leads	100- 277Vac	50/60	-	5	Non- isolated	24Vdc	-	300	12.5	CV, Isolated	Wet	-	-	-	-	b	а	а
	SP-CVM300P-36VyZZZ where xx = 12, 24, 36 or 48 means the output voltage rating in unit Vdc where y can be blank, A or D, blank means non-dimmable means dimming function with 3 in 1, D means dimming function with DALI where ZZZ can be any alphanumeric character or blank for marketing ourposes only.															mable,			
	Leads	100- 277Vac	50/60	-	5	Non- isolated	36Vdc	-	298.8	8.3	CV, Isolated	Wet	-	-	-	-	b	а	а
	iP-CVM300P-48VyZZZ where xx = 12, 24, 36 or 48 means the output voltage rating in unit Vdc where y can be blank, A or D, blank means non-dimmabl A means dimming function with 3 in 1, D means dimming function with DALI where ZZZ can be any alphanumeric character or blank for marketing															mable,			
	Leads	100- 277Vac	50/60	-	5	Non- isolated	48Vdc	-	300	6.25	CV, Isolated	Wet	-	-	-	-	b	а	a
GP-CVM400P- A means dimn purposes only	ning fun						-	-	_			-							mable,
	Leads	100- 277Vac	50/60	-	6.3	Non- isolated	12Vdc	-	320.4	26.7	CV, Isolated	Wet	-	-	-	-	b	а	a
GP-CVM400P- A means dimn purposes only	ning fun						•	_	_			•							mable,
	Leads	100- 277Vac	50/60	-	6.3	Non- isolated	24Vdc	-	400.8	16.7	CV, Isolated	Wet	-	-	-	-	b	а	а
GP-CVM400P- A means dimn purposes only	ning fun						•	_	_			•							mable,
	Leads	100- 277Vac	50/60	-	6.3	Non- isolated	36Vdc	-	399.6	11.1	CV, Isolated	Wet	-	-	-	-	b	а	а
GP-CVM400P- A means dimn purposes only	ning fun		•	•			•	_				•		•	•				mable,
	Leads	100- 277Vac	50/60	-	6.3	Non- isolated	48Vdc	-	398.4	8.3	CV, Isolated	Wet	-	-	-	-	b	а	a
GP-CVP040N-	12VL-P0	2 indicate	s the ou	tput wa	attage v	which to 0	40 in un	it W.	Where x	x indic	ates the o	utput vo	ltage	which	may l	be 12 o	r 24 in u	nit V	/dc
	Leads	120Vac	50/60	-	0.67	Non- isolated	12Vdc	-	40	3.4	CV, Class 2	Damp	-	-	-	-	a	а	b
GP-CVP040N-	24VL-P0	2 indicate	s the ou	tput wa	attage v	which to 0	40 in un	it W.	Where x	x indic	ates the o	utput vo	Itage	which	may l	be 12 o	r 24 in u	nit V	dc.
	Leads	120Vac	50/60	-	0.67	Non- isolated	24Vdc	-	40	1.7	CV, Class 2	Damp	-	-	-	-	а	а	b
GP-CVP060N-	12VL-P0	<mark>2</mark> - indicat	tes the c	output v	vattage	which to	060 in u	nit "V	V". Whe	re "xx"	indicates	the out	out vo	ltage v	which	may b	e 12 in ui	nit "	Vdc".
	Leads	120Vac	50/60	-	0.95	Non- isolated	12Vdc	-	60	5	CV, Class 2	Damp	-	-	-	-	а	a	b
GP-CVP075N- unit Vdc.	24VL-P0	2 - refers	to wher	e indica	tes the	output w	attage w	hich 1	to 075 ir	unit V	V. Where	cx indica	tes th	e outp	ut vo	ltage w	hich may	y be	24 in

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	Leads	120Vac	50/60	-	1.1	Non- isolated	24Vdc	-	75	3.2	CV, Class 2	Damp	-	-	-	-	a	а	b
GP-HS10P-12	C(X) ,(X)	= ZZZ and	d Z may	be A th	rough	Z, 0 throu	gh 9 or l	olank	for marl	keting	purpose o	nly.							
	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	+	a	а
GP-HS10P-24	C(X) .(X)	= ZZZ and	d Z mav	be A th	rough	Z. 0 throu	ah 9 or l	olank	l for marl	ketina i	purpose o	nlv.							
	_				_	_	_			_				L				а	a
SD 1151 SD 35	500.00		. <u> </u>			· ·												а	
GP-HS10P-36	C(X) ,(X)	= ZZZ and	a z may	De A th	rougn	z, o throu	gn 9 or 1	Diank	for mari	keting	purpose o	niy.							
	-	-	-	-	-	-	-	-	-	-		-	-	-	_	-	+	а	a
GP-HS10P-48	C(X) ,(X)	= ZZZ and	d Z may	be A th	rough	Z, 0 throu	gh 9 or l	olank 1	for mar	keting	purpose o	nly.							
	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	+	a	а
GP-HS10P-52	C(X) ,(X)	= ZZZ and	d Z may	be A th	rough	Z, 0 throu	gh 9 or l	olank	for marl	keting	purpose o	nly.							
	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	+	a	a
GP-HS15P-12	C(X) ,(X)	= ZZZ and	d Z may	be A th	rough	Z, 0 throu	gh 9 or l	olank	for mar	keting	purpose o	nly.							
	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	+	а	а
GP-HS15P-12	V(X) , (X)	= ZZZ an	ıd Z may	/ be A ti	hrough	Z, 0 throu	igh 9 or	blank	for mai	keting	purpose o	only.							
	-	-	-			-	-	_	-	_]			_	-	_	_	+	а	a
GP-HS15P-22	C(X) (X)	_ 777	d 7	he ^ 4	rough	7 O +h====	nh 9 c - '	lan!:	for ma-	rotin-	nurnosa -	nlv						1 1	
Or-H3138-22	~(A) ,(A)	– ŁŁŁ and	u ∠ may	se A Th	Jugn	ے, v uirou	ט ז זט פ וופ	JiaiiK 1	.or mari	-cung	parpose o	y.					Ι.		_
	-	_			-			<u> </u>		-				_	_	-	+	а	а
GP-HS15P-24	V(X) ,(X)	= ZZZ an	d Z may	be A th	rough	Z, 0 throu	gh 9 or I	olank	for mar	keting	purpose o	nly.							
	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	+	а	а
GP-HS15P-30	C(X) ,(X)	= ZZZ and	d Z may	be A th	rough	Z, 0 throu	gh 9 or l	olank	for marl	keting	purpose o	nly.							
	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	+	a	a
GP-HS15P-36	V(X) ,(X)	= ZZZ an	d Z may	be A th	rough	Z, 0 throu	gh 9 or l	olank	for mar	keting	purpose o	nly.							
	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	+	а	а
GP-HS15P-42	C(X) ,(X)	= ZZZ and	d Z may	be A th	rough	Z, 0 throu	gh 9 or l	olank	for mar	keting	purpose o	nly.							
	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	+	а	а
GP-HS15P-48	V(X) .(X)	= ZZZ an	d Z mav	be A th	rouah	Z. 0 throu	ah 9 or I	olank	for mar	ketina	purpose o	nlv.							
0. 1.0200	(24) ((24)					_,	J					,.					l .		
60 1161 50 50	-													-		-	†	a	a
GP-HS15P-52	C(X) ,(X)	= ZZZ and	d Z may	be A th	rough I	Z, 0 throu	gh 9 or b	olank 1	for marl	keting	purpose o	nly.							
	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	+	а	а
GP-HS15P-52	V(X) ,(X)	= ZZZ an	d Z may	be A th	rough	Z, 0 throu	gh 9 or l	olank	for mar	keting	purpose o	nly.		_					
	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	+	а	а
GP-HS25P-(X)		may be 48	8 or 52 f	or outp	ut Volt	age, (Y) =	yyy and	y ma	y be ma	y be A	through Z	, 0 throu	igh 9 d	or blan	k for	custon	ner code,	Suit	able
for Dry location	ons.													<u> </u>					
	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	+	а	a
GP-HS25P-(X) Suitable for D	-		, 24 or 3	6 for o	utput V	oltage, (Y) = yyy a	ınd y ı	may be	may be	A throug	h Z, 0 th	rough	9 or b	lank	for cus	tomer co	de,	
	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	+	a	а
GP-LE036N-1	2CZZZ zz	z can be a	ny alph	anumer	ic char	acter or bl	ank												
	Leads	100- 277Vac	50/60	-	1.0	Non- isolated	9- 12Vdc	-	33.6	2.8	CC, Class 2	Dry	-	-	Ŀ	<u> </u>	+	<u>[</u> -]	-
GP-LE036N-1	2VZZZ zz	z can be a	ny alph	anumer	ic char	acter or bl	ank		_					_					
	Leads	100- 277Vac	50/60	-	1.0	Non- isolated	12Vdc	-	36	3.0	CV, Class 2	Dry	-	-	-	-	+	-	-
GP-LE036N-1	5VZZZ zz	z can be a	ny alph	anumer	ic char	acter or bl	ank								_				
	Leads	100- 277Vac	50/60	-	1.0	Non- isolated	15Vdc	-	36	2.4	CV, Class 2	Dry	-	-	-	-	+	-	-

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GP-LE036N-1	8VZZZ zz	zz can be a	any alph	anume	ric char	acter or b	ank												
	Leads	100- 277Vac	50/60	-	1.0	Non- isolated	18Vdc	-	36	2.0	CV, Class 2	Dry	-	-	-	-	+	-	-
GP-LE036N-2	4CZZZ zz	z can be a	ny alph	anume	ric char	acter or bl	ank												
	Leads	100- 277Vac	50/60	-	1.0	Non- isolated	16- 24Vdc	-	33.6	1.4	CC, Class 2	Dry	-	-	-	-	+	-	-
GP-LE036N-2	4VZZZ zz	zz can be a	ny alph	anume	ric char	acter or b	ank				•	•							
	Leads	100- 277Vac	50/60	-	1.0	Non- isolated	24Vdc	-	36	1.5	CV, Class 2	Dry	-	-	-	-	+	-	-
GP-LE036N-3	6CZZZ zz	z can be a	ny alph	anume	ric char	acter or bl	ank												
	Leads	100- 277Vac	50/60	-	1.0	Non- isolated	24- 36Vdc	-	37.8	1.05	CC, Class 2	Dry	-	-	-	-	+	-	-
GP-LE036N-3	6VZZZ zz	zz can be a	any alph	anume	ric char	acter or b	ank												
	Leads	100- 277Vac	50/60	-	1.0	Non- isolated	36Vdc	-	36	1.0	CV, Class 2	Dry	-	-	-	-	+	-	-
GP-LE036N-4	8CZZZ zz	z can be a	ny alph	anume	ric char	acter or bl	ank												
	Leads	100- 277Vac	50/60	-	1.0	Non- isolated	36- 48Vdc	-	33.6	0.7	CC, Class 2	Dry	-	-	-	-	+	-	-
GP-LE036N-4	8VZZZ zz	zz can be a	ny alph	anume	ric char	acter or b	ank												
	Leads	100- 277Vac	50/60	-	1.0	Non- isolated	36Vdc	-	48	0.75	CV, Class 2	Dry	-	-	-	-	+	-	-
GP-LE060N-1	2VZZZ zz	zz can be a	any alph	anume	ric char	acter or b	ank												
	Leads	100- 277Vac	50/60	-	-	Non- isolated	12Vdc	-	-	-	CC, Class 2	Damp	-	-	-	-	+	-	-
GP-LE100N-1	2VZZZ zz	zz can be a	any alph	anume	ric char	acter or b	ank												
	Leads	100- 277Vac	50/60	-	2	Non- isolated	12Vdc	-	102	8.5	CC, Isolated	Damp	-	-	-	-	+	-	-
GP-LE100N-2	4VZZZ zz	zz can be a	any alph	anume	ric char	acter or b	ank												
	Leads	100- 277Vac	50/60	-	2	Non- isolated	24Vdc	-	100.8	4.2	CC, Isolated	Damp	-	-	-	-	+	-	-
GP- LS100PH- 142C1xyy%.	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	+	а	a
GP- LS100PH- 142Cxyy%	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	+	а	a
GP- LS100PH- 71Cxyy%	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	+	а	а
GP-LS120PH- function) or l					13, VVV	′ = 099, 10	7, 113, 1	.43, 2	10, 284	or 428,	Y = D (diı	nming f	unctio	on), A (adjus	table f	unction),	T (t	iming
	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	+	а	а
GP-LS150PH- function) or I					1 43, VVV	/ = 099, 10	7, 113, 1	.43, 2	10, 284	or 428,	Y = D (dii	nming f	unctio	on), A (adjus	table f	unction),		
	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	+	а	а
GP-LS50PH- 142Cxyy%	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	+	а	а
GP-LS70PH- 100Cxyy%	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	+	а	а
								_					_					4	_

[a] Identifies if the product itself has isolation between input and output based on the requirements of the standard. Output type (Non-isolated, Isolated, Class 2, LED Class 2) is designated based on the requirements that have been applied.

Wired Control Circuit: a = This device does not have a wired control circuit, b = This device has a wired control circuit that is isolated per Supplement SF, c = This device has a wired control circuit that is nonisolated per Supplement SF, + = Not evaluated

Phase-cut Dimming: a = This device has not been evaluated per Supplement SH, b = This device has been evaluated per Supplement SH, c = This device has been evaluated per Supplement SH for use with specific dimmer models - see UL Report.

- # zzz can be any alphanumeric or blank for marketing purpose only
- % x=blank without dimmer; x = A with dimmer; yy= any character or number or blank for marketing purpose only.
- (\$) zzz may be A through Z, 0 through 9 or blank for marketing purpose only
- (*) ww may be 45 or 60; xx may be 12, 24, 36, 42, 48 or 57; y may be A or blank for dimming designation, A means dimmable, blank means non-dimmable; zzz may be A through Z, 0 through 9 or blank for marketing purpose only.
- (**) ww may be 35 or 26; xx may be 12, 24, 36, 42, 48 or 57; y may be A or blank for dimming designation, A means dimmable, blank means non-dimmable; zzz may be A through Z, 0 through 9 or blank for marketing purpose only
- @ XYZ may be any character or number or blank for marketing purposes only
- X ZZZ and Z may be A through Z, 0 through 9 or blank for marketing purpose only

Marking: Company name, model designation, and the Recognized Component Mark,



Last Updated on 2020-07-20

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