

ActivePAQ Linear Performer 2Ft 3.000lm ActivePAQ Linear Performer 2Ft 4.000lm

PRODUCT DESCRIPTION

DA-Group's ActivePAQ Linear Performer module combines advanced integrated driver technology with sophisticated in-house manufacturing capabilities. The result is a 2Ft LED module that can directly be operated on mains voltage (230V). Driver components are positioned in-between 2 rows of LED's over the total length of the module. With an in- and output connector the ActivePAQ Linear Performer module supports loop through functionality. This combination makes it perfectly suitable for use of multiple modules in a compact high-bay luminaire or light-line system. With a light flicker level of <15% the ActivePAQ Linear Performer module is the ideal light source for linear Office-, Shop- and Industrial applications.



CERTIFICATES AND STANDARDS



- CE / ENEC
- EN 55015:2013 / EN 61547:2009 / EN 61000-3-2:2014 / EN 61000-3-3:2013 / EN 62031:2008 + A1:2013 + A2:2015 / EN 61347-1:2008 / EN 62471:2008

3 YEARS LIMITED WARRANTY

DA-Group takes pride in the quality of its products. We not only develop all products in house, they are also produced in our own manufacturing plants to ensure guaranteed reliability and performance. DA-Group's ActivePAQ Linear modules come with the assurance of 3 year warranty. After all, with typical LED lifetimes of > 72.000 hours, it is critical to have an integrated power supply with equal reliability.

KEY FEATURES

- Compact form factor
- No need for separate bulky drivers
- Perfect light distribution
- Supports light-line systems
- Single sided board for simple construction
- In- and output connector for 230V loop-through
- Beam angle 120deg
- Small color tolerance (SDCM <3,5)
- Light flicker < 15%
- CRI >80
- > 72.000hrs lifetime

TECHNICAL DATA

Parameter	Unit	ActivePAQ Linear Performer 2Ft 4.000lm	ActivePAQ Linear Performer 2Ft 3.000lm
Module length	Ft / mm	2 / 560	2 / 560
Width	mm	40	40
Integrated driver		Yes	Yes
CRI		> 80	> 80
CCT	K	3.000 / 4.000	3.000 / 4.000
Lumen output	lm	4.000 ± 5%	3.000 ± 5%
System efficiency	lm/W	> 144	> 150
Maximum input voltage range	V	230V ± 10%	230V ± 10%
Nominal voltage range*	V	220...240	220...240
Nominal current	A AC	< 0.125	< 0.095
Nominal wattage	W	27	20
Starting time	s	< 0.5	< 0.5
Flicker level	%	< 15	< 15
Flicker frequency	Hz	>= 100	>= 100
Power Factor		> 0.95	> 0.95
THD**	%	< 10	< 13
Standard deviation of color matching	sdcn	< 3.5	< 3.5
Beam angle	deg	120	120
No. of LEDs / module	pcs	100	100
No. of Rows		2	2
Connector type		Wago 2060-852	Wago 2060-852
Weight	gr	< 100	< 100
Module height incl. components	mm	< 17	< 17
Storage temp range***	degC	-40...+85	-40...+85
Tc max	degC	110	110
Tc life****	degC	100	100
Dimmable		No	No
Surge protection	kV	2	2
Standards		CE / ENEC EN 55015:2013 EN 61547:2009 EN 61000-3-2:2014 EN 61000-3-3:2013	CE / ENEC EN 55015:2013 EN 61547:2009 EN 61000-3-2:2014 EN 61000-3-3:2013
No. of switching cycles*****	qty	> 65.000	> 65.000

* Rated Voltage Un = 230 Vac

** Measured according to EN61000-3-2

*** Non-condensing. These conditions are for short term storage and transportation. For long term storage the temperature should be kept at +25+/-10C and humidity at < 75%. In these long term storage conditions the maximum shelf life is 24 months and short term means 10 % of this shelf life. Operating temperature low limit is also -40C.

**** See 'Design-in guide' for lifetime defining components to be measured during design-in of the ActivePAQ module.

***** Tested at room temperature and with 230 Vac 50 Hz input with cycle times of 15 seconds ON and 3 seconds OFF

ActivePAQ Linear Performer 2Ft lifetime 3.000lm and 4.000lm

TC3 °C	L90B10	L90B20	L90B50	L80B10	L80B20	L80B50	L70B10	L70B20	L70B50
55	38	40	45	72	72	72	72	72	72
60	34	36	41	71	72	72	72	72	72
65	31	33	37	63	68	72	72	72	72
70	28	30	34	57	61	71	72	72	72
75	25	27	31	51	55	64	72	72	72
80	23	25	29	46	50	58	71	71	71
85	21	23	26	41	45	50	50	50	50

Minimum lifetime estimation in thousand hours versus TC3-point (LED) temperature. TC2- and TC4-point (ELCAP's) temperatures estimated to be at least 5 °C less than TC3. TC1-point (FET) maximum temperature 100 °C.

LED lifetime data based on 12 000 hour LM-80 data from LED manufacturer.

Module lifetime estimation limited to 6 times LM-80 test time, 72 000 hour.

Module lifetime estimation limited by ELCAP's estimated lifetime.

ORDERING DATA

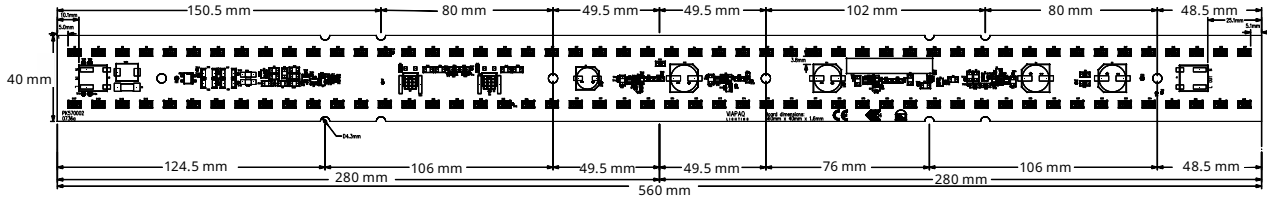
Product description	CCT	Ordering code	Box quantity = MoQ (pcs)	Pallet qty max. (pcs) ~ 475 kg	Brutto weight (150 pcs)	Netto weight (150 pcs)
ActivePAQ Linear Performer 2Ft 3.000lm	4000K	VP400002	150	3600	18.5 kg	15 kg
	3000K	VP400003	150	3600	18.5 kg	15 kg
ActivePAQ Linear Performer 2Ft 4.000lm	4000K	VP400000	150	3600	18.5 kg	15 kg
	3000K	VP400001	150	3600	18.5 kg	15 kg

LIGHT OUTPUT GRAPHS

Download separate goniophotometric test report and LDT-files for both 3000 lm and 4000 lm boards from www.da-group.fi.

MECHANICAL DRAWINGS

ActivePAQ Linear 2Ft



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