

## BASIC Linear G3

### Linear Light Engines



#### Product family features

- Module efficacy: up to 168 lm/W
- Available with luminous flux: 770 lm, 1,100 lm on 280 mm
- Available with luminous flux: 1,550 lm, 2,200 lm on 560 mm
- Available with luminous flux: 3,100 lm, 4,400 lm on 1,120 mm
- Average lifetime (L80 B50): > 50,000 h (temperature at  $T_c = 50\text{ }^\circ\text{C}$ )
- Color rendering index: > 80
- CE marked, ENEC certified

#### Product family benefits

- Slim luminaire design by small and flexible form factor
- Adjustable luminous flux, efficacy and lifetime
- Powerful system with cost efficient OPTOTRONIC/ELEMENT driver family

#### Areas of application

- Office
- Industry



## Product family datasheet

### Technical data

Product description	Electrical data				
	Nominal voltage	Nominal current	Type of current	Energy consumption in on-mode	On-mode power
BA-LIN-Z3 770-830 280X20-HV	24.6 V	0.2 A	DC	5.0 kWh/1000h	5.00 W
BA-LIN-Z3 770-840 280X20-HV	24.6 V	0.2 A	DC	5.0 kWh/1000h	5.00 W
BA-LIN-Z3 1100-830 280X20	24.5 V	0.25 A	DC	6.2 kWh/1000h	6.20 W
BA-LIN-Z3 1100-840 280X20	24.5 V	0.25 A	DC	6.2 kWh/1000h	6.20 W
BA-LIN-Z3 1100-865 280X20	24.5 V	0.25 A	DC	6.2 kWh/1000h	6.20 W
BA-LIN-Z3 1550-830 560X20-HV	49.3 V	0.2 A	DC	9.9 kWh/1000h	9.90 W
BA-LIN-Z3 1550-840 560X20-HV	49.3 V	0.2 A	DC	9.9 kWh/1000h	9.90 W
BA-LIN-Z3 2200-830 560X20	49.1 V	0.25 A	DC	12.4 kWh/1000h	12.40 W
BA-LIN-Z3 2200-840 560X20	49.1 V	0.25 A	DC	12.4 kWh/1000h	12.40 W
BA-LIN-Z3 2200-865 560X20	49.1 V	0.25 A	DC	12.4 kWh/1000h	12.40 W
BA-LIN-Z3 3100-830 1120X20-HV	98.6 V	0.2 A	DC	19.8 kWh/1000h	19.80 W
BA-LIN-Z3 3100-840 1120X20-HV	98.6 V	0.2 A	DC	19.8 kWh/1000h	19.80 W
BA-LIN-Z3 4400-830 1120X20	98.2 V	0.25 A	DC	24.6 kWh/1000h	24.60 W
BA-LIN-Z3 4400-840 1120X20	98.2 V	0.25 A	DC	24.7 kWh/1000h	24.70 W
BA-LIN-Z3 4400-865 1120X20	98.2 V	0.25 A	DC	24.8 kWh/1000h	24.80 W

Product description	Photometrical data			
	Luminous efficacy	Useful luminous flux (Φuse)	Colour consistency (McAdam ellipses)	Correlated color temperature CCT
BA-LIN-Z3 770-830 280X20-HV	159 lm/W	786 lm	3	3000 K
BA-LIN-Z3 770-840 280X20-HV	166 lm/W	818 lm	3	4000 K
BA-LIN-Z3 1100-830 280X20	161 lm/W	989 lm	3	3000 K
BA-LIN-Z3 1100-840 280X20	168 lm/W	1030 lm	3	4000 K
BA-LIN-Z3 1100-865 280X20	168 lm/W	1030 lm	3	6500 K
BA-LIN-Z3 1550-830 560X20-HV	159 lm/W	1571 lm	3	3000 K
BA-LIN-Z3 1550-840 560X20-HV	166 lm/W	1636 lm	3	4000 K
BA-LIN-Z3 2200-830 560X20	161 lm/W	1979 lm	3	3000 K
BA-LIN-Z3 2200-840 560X20	168 lm/W	2059 lm	3	4000 K
BA-LIN-Z3 2200-865 560X20	168 lm/W	2059 lm	3	6500 K
BA-LIN-Z3 3100-830 1120X20-HV	159 lm/W	3143 lm	3	3000 K
BA-LIN-Z3 3100-840 1120X20-HV	166 lm/W	3271 lm	3	4000 K
BA-LIN-Z3 4400-830 1120X20	161 lm/W	3955 lm	3	3000 K
BA-LIN-Z3 4400-840 1120X20	168 lm/W	4119 lm	3	4000 K
BA-LIN-Z3 4400-865 1120X20	168 lm/W	4119 lm	3	6500 K

Product description	Color rendering index Ra	LED module information	Dimensions & weight		
		Number of LEDs per module	Product weight	Width	Length
BA-LIN-Z3 770-830 280X20-HV	82	27	12.40 g	20.0 mm	280.0 mm
BA-LIN-Z3 770-840 280X20-HV	82	27	12.40 g	20.0 mm	280.0 mm

## Product family datasheet

Product description	Color rendering index Ra	LED module information	Dimensions & weight		
		Number of LEDs per module	Product weight	Width	Length
BA-LIN-Z3 1100-830 280X20	82	36	12.40 g	20.0 mm	280.0 mm
BA-LIN-Z3 1100-840 280X20	82	36	12.40 g	20.0 mm	280.0 mm
BA-LIN-Z3 1100-865 280X20	82	36	12.40 g	20.0 mm	280.0 mm
BA-LIN-Z3 1550-830 560X20-HV	82	54	24.20 g	20.0 mm	560.0 mm
BA-LIN-Z3 1550-840 560X20-HV	82	54	24.20 g	20.0 mm	560.0 mm
BA-LIN-Z3 2200-830 560X20	82	72	24.40 g	20.0 mm	560.0 mm
BA-LIN-Z3 2200-840 560X20	82	72	24.40 g	20.0 mm	560.0 mm
BA-LIN-Z3 2200-865 560X20	82	72	24.40 g	20.0 mm	560.0 mm
BA-LIN-Z3 3100-830 1120X20-HV	82	108	48.30 g	20.0 mm	1120.0 mm
BA-LIN-Z3 3100-840 1120X20-HV	82	108	48.30 g	20.0 mm	1120.0 mm
BA-LIN-Z3 4400-830 1120X20	82	144	48.30 g	20.0 mm	1120.0 mm
BA-LIN-Z3 4400-840 1120X20	82	144	48.30 g	20.0 mm	1120.0 mm
BA-LIN-Z3 4400-865 1120X20	82	144	48.30 g	20.0 mm	1120.0 mm

Product description	Height	Temperatures & operating conditions			
		Performance temp. acc. to IEC 62717	Temperature range in operation at Tc point	Maximum temperature at tc test point	Temperature range at storage
BA-LIN-Z3 770-830 280X20-HV	5.0 mm	50 °C	-20...75 °C	75 °C	-30...85 °C
BA-LIN-Z3 770-840 280X20-HV	5.0 mm	50 °C	-20...75 °C	75 °C	-30...85 °C
BA-LIN-Z3 1100-830 280X20	5.0 mm	50 °C	-20...75 °C	75 °C	-30...85 °C
BA-LIN-Z3 1100-840 280X20	5.0 mm	50 °C	-20...75 °C	75 °C	-30...85 °C
BA-LIN-Z3 1100-865 280X20	5.0 mm	50 °C	-20...75 °C	75 °C	-30...85 °C
BA-LIN-Z3 1550-830 560X20-HV	5.0 mm	50 °C	-20...75 °C	75 °C	-30...85 °C
BA-LIN-Z3 1550-840 560X20-HV	5.0 mm	50 °C	-20...75 °C	75 °C	-30...85 °C
BA-LIN-Z3 2200-830 560X20	5.0 mm	50 °C	-20...75 °C	75 °C	-30...85 °C
BA-LIN-Z3 2200-840 560X20	5.0 mm	50 °C	-20...75 °C	75 °C	-30...85 °C
BA-LIN-Z3 2200-865 560X20	5.0 mm	50 °C	-20...75 °C	75 °C	-30...85 °C
BA-LIN-Z3 3100-830 1120X20-HV	5.0 mm	50 °C	-20...75 °C	75 °C	-30...85 °C
BA-LIN-Z3 3100-840 1120X20-HV	5.0 mm	50 °C	-20...75 °C	75 °C	-30...85 °C
BA-LIN-Z3 4400-830 1120X20	5.0 mm	50 °C	-20...75 °C	75 °C	-30...85 °C
BA-LIN-Z3 4400-840 1120X20	5.0 mm	50 °C	-20...75 °C	75 °C	-30...85 °C
BA-LIN-Z3 4400-865 1120X20	5.0 mm	50 °C	-20...75 °C	75 °C	-30...85 °C

Product description	Ambient temperature range	Lifespan		Additional product data
		L70B50 lifetime	Lumen maintenance factor LMF	Lighting technology used
BA-LIN-Z3 770-830 280X20-HV	-20...+75 °C	50000 h	96	LED
BA-LIN-Z3 770-840 280X20-HV	-20...+75 °C	50000 h	96	LED
BA-LIN-Z3 1100-830 280X20	-20...+75 °C	50000 h	96	LED
BA-LIN-Z3 1100-840 280X20	-20...+75 °C	50000 h	96	LED

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Product description	Ambient temperature range	Lifespan		Additional product data
		L70B50 lifetime	Lumen maintenance factor LMF	Lighting technology used
BA-LIN-Z3 1100-865 280X20	-20...+75 °C	50000 h	96	LED
BA-LIN-Z3 1550-830 560X20-HV	-20...+75 °C	50000 h	96	LED
BA-LIN-Z3 1550-840 560X20-HV	-20...+75 °C	50000 h	96	LED
BA-LIN-Z3 2200-830 560X20	-20...+75 °C	50000 h	96	LED
BA-LIN-Z3 2200-840 560X20	-20...+75 °C	50000 h	96	LED
BA-LIN-Z3 2200-865 560X20	-20...+75 °C	50000 h	96	LED
BA-LIN-Z3 3100-830 1120X20-HV	-20...+75 °C	50000 h	96	LED
BA-LIN-Z3 3100-840 1120X20-HV	-20...+75 °C	50000 h	96	LED
BA-LIN-Z3 4400-830 1120X20	-20...+75 °C	50000 h	96	LED
BA-LIN-Z3 4400-840 1120X20	-20...+75 °C	50000 h	96	LED
BA-LIN-Z3 4400-865 1120X20	-20...+75 °C	50000 h	96	LED

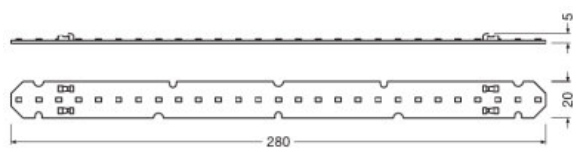
Product description	Predecessor EAN	Certificates & standards		Logistical data
		Standards	Energy efficiency class	Commodity code
BA-LIN-Z3 770-830 280X20-HV		CE/ENEC/VDE	D	85414100000
BA-LIN-Z3 770-840 280X20-HV		CE/ENEC/VDE	D	85414100000
BA-LIN-Z3 1100-830 280X20	4052899989788	CE/ENEC/VDE	D	85414100000
BA-LIN-Z3 1100-840 280X20	4052899989801	CE/ENEC/VDE	D	85414100000
BA-LIN-Z3 1100-865 280X20		CE/ENEC/VDE	D	85414100000
BA-LIN-Z3 1550-830 560X20-HV	4052899989825	CE/ENEC/VDE	D	85414100000
BA-LIN-Z3 1550-840 560X20-HV	4052899989849	CE/ENEC/VDE	D	85414100000
BA-LIN-Z3 2200-830 560X20	4052899989863	CE/ENEC/VDE	D	85414100000
BA-LIN-Z3 2200-840 560X20	4052899989887	CE/ENEC/VDE	D	85414100000
BA-LIN-Z3 2200-865 560X20		CE/ENEC/VDE	D	85414100000
BA-LIN-Z3 3100-830 1120X20-HV		CE/ENEC/VDE	D	85414100000
BA-LIN-Z3 3100-840 1120X20-HV		CE/ENEC/VDE	D	85414100000
BA-LIN-Z3 4400-830 1120X20	4052899989900	CE/ENEC/VDE	D	85414100000
BA-LIN-Z3 4400-840 1120X20	4052899989924	CE/ENEC/VDE	D	85414100000
BA-LIN-Z3 4400-865 1120X20		CE/ENEC/VDE	D	85414100000

Product description	Environmental information Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)			
	Date of Declaration	Primary Article Identifier	Candidate List Substance 1	Declaration No. in SCIP database
BA-LIN-Z3 770-830 280X20-HV	18-04-2022	4052899607569	No declarable substances contained	No declarable substances contained
BA-LIN-Z3 770-840 280X20-HV	18-04-2022	4052899607576	No declarable substances contained	No declarable substances contained
BA-LIN-Z3 1100-830 280X20	18-04-2022	4052899607583	No declarable substances contained	No declarable substances contained
BA-LIN-Z3 1100-840 280X20	18-04-2022	4052899607590	No declarable substances contained	No declarable substances contained
BA-LIN-Z3 1100-865 280X20	18-04-2022	4052899607606	No declarable substances contained	No declarable substances contained

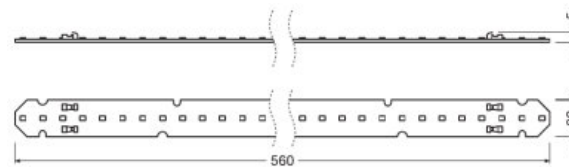
## Product family datasheet

Product description	Environmental information			
	Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)			
	Date of Declaration	Primary Article Identifier	Candidate List Substance 1	Declaration No. in SCIP database
BA-LIN-Z3 1550-830 560X20-HV	18-04-2022	4052899607613	No declarable substances contained	No declarable substances contained
BA-LIN-Z3 1550-840 560X20-HV	18-04-2022	4052899607620	No declarable substances contained	No declarable substances contained
BA-LIN-Z3 2200-830 560X20	18-04-2022	4052899607637	No declarable substances contained	No declarable substances contained
BA-LIN-Z3 2200-840 560X20	18-04-2022	4052899607644	No declarable substances contained	No declarable substances contained
BA-LIN-Z3 2200-865 560X20	18-04-2022	4052899607651	No declarable substances contained	No declarable substances contained
BA-LIN-Z3 3100-830 1120X20-HV	18-04-2022	4052899607668	No declarable substances contained	No declarable substances contained
BA-LIN-Z3 3100-840 1120X20-HV	18-04-2022	4052899607675	No declarable substances contained	No declarable substances contained
BA-LIN-Z3 4400-830 1120X20	18-04-2022	4052899607682	No declarable substances contained	No declarable substances contained
BA-LIN-Z3 4400-840 1120X20	18-04-2022	4052899607699	No declarable substances contained	No declarable substances contained
BA-LIN-Z3 4400-865 1120X20	18-04-2022	4052899607705	No declarable substances contained	No declarable substances contained

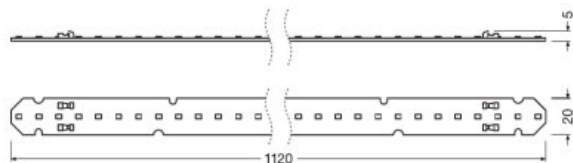
## Product family datasheet



BA-LIN-Z3 770-830 280X20-HV



BA-LIN-Z3 1550-830 560X20-HV



BA-LIN-Z3 3100-830 1120X20-HV



### Application advice

For more detailed application information and graphics please see product datasheet.

### Sales and Technical Support

Sales and Technical Support [www.osram.com](http://www.osram.com)

### Download Data

File	
	Certificates PL ENEC 40031612 250723
	Declarations of conformity BA LIN Z3 CE 3803980 060921

## Product family datasheet



User instruction  
BASIC Linear G3

### Ecodesign regulation information:

Separate control gear and light sources must be disposed of at certified disposal companies in accordance with Directive 2012/19/EU (WEEE) in the EU and with Waste Electrical and Electronic Equipment (WEEE) Regulations 2013 in the UK. For this purpose, collection points for recycling centres and take-back systems (CRSO) are available from retailers or private disposal companies, which accept separate control gear and light sources free of charge. In this way, raw materials are conserved and materials are recycled.

### Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899607569	BA-LIN-Z3 770-830 280X20-HV	Shipping carton box 60	592 mm x 252 mm x 100 mm	14.92 dm <sup>3</sup>	1176.00 g
4052899607576	BA-LIN-Z3 770-840 280X20-HV	Shipping carton box 60	592 mm x 252 mm x 100 mm	14.92 dm <sup>3</sup>	1176.00 g
4052899607583	BA-LIN-Z3 1100-830 280X20	Shipping carton box 60	592 mm x 252 mm x 100 mm	14.92 dm <sup>3</sup>	1176.00 g
4052899607590	BA-LIN-Z3 1100-840 280X20	Shipping carton box 60	592 mm x 252 mm x 100 mm	14.92 dm <sup>3</sup>	1176.00 g
4052899607606	BA-LIN-Z3 1100-865 280X20	Shipping carton box 60	592 mm x 252 mm x 100 mm	14.92 dm <sup>3</sup>	1176.00 g
4052899607613	BA-LIN-Z3 1550-830 560X20-HV	Shipping carton box 60	592 mm x 252 mm x 100 mm	14.92 dm <sup>3</sup>	1890.00 g
4052899607620	BA-LIN-Z3 1550-840 560X20-HV	Shipping carton box 60	592 mm x 252 mm x 100 mm	14.92 dm <sup>3</sup>	1890.00 g
4052899607637	BA-LIN-Z3 2200-830 560X20	Shipping carton box 60	592 mm x 252 mm x 100 mm	14.92 dm <sup>3</sup>	1902.00 g
4052899607644	BA-LIN-Z3 2200-840 560X20	Shipping carton box 60	592 mm x 252 mm x 100 mm	14.92 dm <sup>3</sup>	1902.00 g
4052899607651	BA-LIN-Z3 2200-865 560X20	Shipping carton box 60	592 mm x 252 mm x 100 mm	14.92 dm <sup>3</sup>	1902.00 g
4052899607668	BA-LIN-Z3 3100-830 1120X20-HV	Shipping carton box 60	1147 mm x 295 mm x 120 mm	40.60 dm <sup>3</sup>	4023.00 g
4052899607675	BA-LIN-Z3 3100-840 1120X20-HV	Shipping carton box 60	1147 mm x 295 mm x 120 mm	40.60 dm <sup>3</sup>	4023.00 g
4052899607682	BA-LIN-Z3 4400-830 1120X20	Shipping carton box 60	1147 mm x 295 mm x 120 mm	40.60 dm <sup>3</sup>	4023.00 g
4052899607699	BA-LIN-Z3 4400-840 1120X20	Shipping carton box 60	1147 mm x 295 mm x 120 mm	40.60 dm <sup>3</sup>	4023.00 g

## Product family datasheet

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### Logistical Data

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4052899607705	BA-LIN-Z3 4400-865 1120X20	Shipping carton box 60	1147 mm x 295 mm x 120 mm	40.60 dm <sup>3</sup>	4023.00 g
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The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

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### Disclaimer

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.