

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					Photometrical data
	Nominal voltage	Nominal current	Type of current	On-mode power	Energy consumption in on-mode	Luminous efficacy
BA-LIN-Z3 770-830 280X20-HV	24.6 V	0.2 A	DC	5 W	5 kWh/1000h	159 lm/W
BA-LIN-Z3 770-840 280X20-HV	24.6 V	0.2 A	DC	5 W	5 kWh/1000h	166 lm/W
BA-LIN-Z3 1100-830 280X20	24.5 V	0.25 A	DC	6.2 W	6.2 kWh/1000h	161 lm/W
BA-LIN-Z3 1100-840 280X20	24.5 V	0.25 A	DC	6.2 W	6.2 kWh/1000h	168 lm/W
BA-LIN-Z3 1100-865 280X20	24.5 V	0.25 A	DC	6.2 W	6.2 kWh/1000h	168 lm/W
BA-LIN-Z3 1550-830 560X20-HV	49.3 V	0.2 A	DC	9.9 W	9.9 kWh/1000h	159 lm/W
BA-LIN-Z3 1550-840 560X20-HV	49.3 V	0.2 A	DC	9.9 W	9.9 kWh/1000h	166 lm/W
BA-LIN-Z3 2200-830 560X20	49.1 V	0.25 A	DC	12.4 W	12.4 kWh/1000h	161 lm/W
BA-LIN-Z3 2200-840 560X20	49.1 V	0.25 A	DC	12.4 W	12.4 kWh/1000h	168 lm/W
BA-LIN-Z3 2200-865 560X20	49.1 V	0.25 A	DC	12.4 W	12.4 kWh/1000h	168 lm/W
BA-LIN-Z3 3100-830 1120X20-HV	98.6 V	0.2 A	DC	19.8 W	19.8 kWh/1000h	159 lm/W
BA-LIN-Z3 3100-840 1120X20-HV	98.6 V	0.2 A	DC	19.8 W	19.8 kWh/1000h	166 lm/W
BA-LIN-Z3 4400-830 1120X20	98.2 V	0.25 A	DC	24.6 W	24.6 kWh/1000h	161 lm/W
BA-LIN-Z3 4400-840 1120X20	98.2 V	0.25 A	DC	24.7 W	24.7 kWh/1000h	168 lm/W
BA-LIN-Z3 4400-865 1120X20	98.2 V	0.25 A	DC	24.8 W	24.8 kWh/1000h	168 lm/W

Product description	Light technical data				Starting time
	Color rendering index Ra	Correlated color temperature CCT	Colour consistency (McAdam ellipses)	Useful luminous flux (Φ _{use})	
BA-LIN-Z3 770-830 280X20-HV	>80	3000 K	3	786 lm	< 0.1 s
BA-LIN-Z3 770-840 280X20-HV	>80	4000 K	3	818 lm	< 0.1 s
BA-LIN-Z3 1100-830 280X20	>80	3000 K	3	989 lm	< 0.1 s
BA-LIN-Z3 1100-840 280X20	>80	4000 K	3	1030 lm	< 0.1 s
BA-LIN-Z3 1100-865 280X20	>80	6500 K	3	1030 lm	< 0.1 s

Product family datasheet

Product description	Color rendering index Ra	Correlated color temperature CCT	Colour consistency (McAdam ellipses)	Useful luminous flux (Φuse)	Light technical data
					Starting time
BA-LIN-Z3 1550-830 560X20-HV	>80	3000 K	3	1571 lm	< 0.1 s
BA-LIN-Z3 1550-840 560X20-HV	>80	4000 K	3	1636 lm	< 0.1 s
BA-LIN-Z3 2200-830 560X20	>80	3000 K	3	1979 lm	< 0.1 s
BA-LIN-Z3 2200-840 560X20	>80	4000 K	3	2059 lm	< 0.1 s
BA-LIN-Z3 2200-865 560X20	>80	6500 K	3	2059 lm	< 0.1 s
BA-LIN-Z3 3100-830 1120X20-HV	>80	3000 K	3	3143 lm	< 0.1 s
BA-LIN-Z3 3100-840 1120X20-HV	>80	4000 K	3	3271 lm	< 0.1 s
BA-LIN-Z3 4400-830 1120X20	>80	3000 K	3	3955 lm	< 0.1 s
BA-LIN-Z3 4400-840 1120X20	>80	4000 K	3	4119 lm	< 0.1 s
BA-LIN-Z3 4400-865 1120X20	>80	6500 K	3	4119 lm	< 0.1 s

Product description	Warm-up time (60 %)	LED module information	Dimensions & weight		
		Number of LEDs per module	Product weight	Height	Length
BA-LIN-Z3 770-830 280X20-HV	< 2.00 s	27	12.40 g	5 mm	280 mm
BA-LIN-Z3 770-840 280X20-HV	< 2.00 s	27	12.40 g	5 mm	280 mm
BA-LIN-Z3 1100-830 280X20	< 2.00 s	36	12.40 g	5 mm	280 mm
BA-LIN-Z3 1100-840 280X20	< 2.00 s	36	12.40 g	5 mm	280 mm
BA-LIN-Z3 1100-865 280X20	< 2.00 s	36	12.40 g	5 mm	280 mm
BA-LIN-Z3 1550-830 560X20-HV	< 2.00 s	54	24.20 g	5 mm	560 mm
BA-LIN-Z3 1550-840 560X20-HV	< 2.00 s	54	24.20 g	5 mm	560 mm
BA-LIN-Z3 2200-830 560X20	< 2.00 s	72	24.40 g	5 mm	560 mm
BA-LIN-Z3 2200-840 560X20	< 2.00 s	72	24.40 g	5 mm	560 mm
BA-LIN-Z3 2200-865 560X20	< 2.00 s	72	24.40 g	5 mm	560 mm
BA-LIN-Z3 3100-830 1120X20-HV	< 2.00 s	108	48.30 g	5 mm	1120 mm
BA-LIN-Z3 3100-840 1120X20-HV	< 2.00 s	108	48.30 g	5 mm	1120 mm
BA-LIN-Z3 4400-830 1120X20	< 2.00 s	144	48.30 g	5 mm	1120 mm
BA-LIN-Z3 4400-840 1120X20	< 2.00 s	144	48.30 g	5 mm	1120 mm
BA-LIN-Z3 4400-865 1120X20	< 2.00 s	144	48.30 g	5 mm	1120 mm

Product description	Width	Temperatures & operating conditions		
		Performance temp. acc. to IEC 62717	Temperature range in operation at Tc point	Maximum temperature at tc test point
BA-LIN-Z3 770-830 280X20-HV	20 mm	50 °C	-20...75 °C	75 °C
BA-LIN-Z3 770-840 280X20-HV	20 mm	50 °C	-20...75 °C	75 °C
BA-LIN-Z3 1100-830 280X20	20 mm	50 °C	-20...75 °C	75 °C
BA-LIN-Z3 1100-840 280X20	20 mm	50 °C	-20...75 °C	75 °C
BA-LIN-Z3 1100-865 280X20	20 mm	50 °C	-20...75 °C	75 °C

Product family datasheet

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

Product description	Temperature range at storage	Ambient temperature range	Lifespan	Certificates & standards
			Lumen maintenance factor LMF	Standards
BA-LIN-Z3 770-830 280X20-HV	-30...85 °C	-20...+75 °C	96	CE/ENEC/VDE
BA-LIN-Z3 770-840 280X20-HV	-30...85 °C	-20...+75 °C	96	CE/ENEC/VDE
BA-LIN-Z3 1100-830 280X20	-30...85 °C	-20...+75 °C	96	CE/ENEC/VDE
BA-LIN-Z3 1100-840 280X20	-30...85 °C	-20...+75 °C	96	CE/ENEC/VDE
BA-LIN-Z3 1100-865 280X20	-30...85 °C	-20...+75 °C	96	CE/ENEC/VDE
BA-LIN-Z3 1550-830 560X20-HV	-30...85 °C	-20...+75 °C	96	CE/ENEC/VDE
BA-LIN-Z3 1550-840 560X20-HV	-30...85 °C	-20...+75 °C	96	CE/ENEC/VDE
BA-LIN-Z3 2200-830 560X20	-30...85 °C	-20...+75 °C	96	CE/ENEC/VDE
BA-LIN-Z3 2200-840 560X20	-30...85 °C	-20...+75 °C	96	CE/ENEC/VDE
BA-LIN-Z3 2200-865 560X20	-30...85 °C	-20...+75 °C	96	CE/ENEC/VDE
BA-LIN-Z3 3100-830 1120X20-HV	-30...85 °C	-20...+75 °C	96	CE/ENEC/VDE
BA-LIN-Z3 3100-840 1120X20-HV	-30...85 °C	-20...+75 °C	96	CE/ENEC/VDE
BA-LIN-Z3 4400-830 1120X20	-30...85 °C	-20...+75 °C	96	CE/ENEC/VDE
BA-LIN-Z3 4400-840 1120X20	-30...85 °C	-20...+75 °C	96	CE/ENEC/VDE
BA-LIN-Z3 4400-865 1120X20	-30...85 °C	-20...+75 °C	96	CE/ENEC/VDE

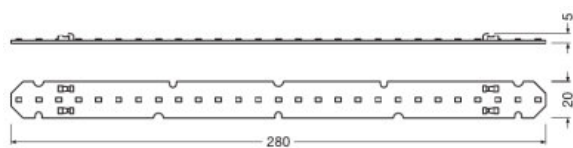
Product description	Energy efficiency class	Logistical data	Environmental information Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
		Commodity code	Date of Declaration	Primary Article Identifier
BA-LIN-Z3 770-830 280X20-HV	D	854141000000	18-04-2022	4052899607569
BA-LIN-Z3 770-840 280X20-HV	D	854141000000	18-04-2022	4052899607576
BA-LIN-Z3 1100-830 280X20	D	854141000000	18-04-2022	4052899607583
BA-LIN-Z3 1100-840 280X20	D	854141000000	18-04-2022	4052899607590
BA-LIN-Z3 1100-865 280X20	D	854141000000	18-04-2022	4052899607606
BA-LIN-Z3 1550-830 560X20-HV	D	854141000000	18-04-2022	4052899607613
BA-LIN-Z3 1550-840 560X20-HV	D	854141000000	18-04-2022	4052899607620
BA-LIN-Z3 2200-830 560X20	D	854141000000	18-04-2022	4052899607637

Product family datasheet

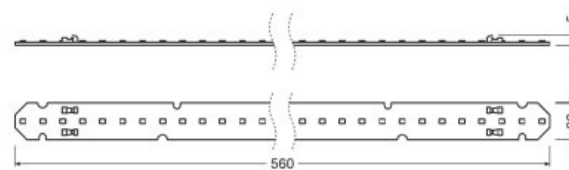
Product description	Energy efficiency class	Logistical data	Environmental information Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
		Commodity code	Date of Declaration	Primary Article Identifier
BA-LIN-Z3 2200-840 560X20	D	854141000000	18-04-2022	4052899607644
BA-LIN-Z3 2200-865 560X20	D	854141000000	18-04-2022	4052899607651
BA-LIN-Z3 3100-830 1120X20-HV	D	854141000000	18-04-2022	4052899607668
BA-LIN-Z3 3100-840 1120X20-HV	D	854141000000	18-04-2022	4052899607675
BA-LIN-Z3 4400-830 1120X20	D	854141000000	18-04-2022	4052899607682
BA-LIN-Z3 4400-840 1120X20	D	854141000000	18-04-2022	4052899607699
BA-LIN-Z3 4400-865 1120X20	D	854141000000	18-04-2022	4052899607705

Product description	Candidate List Substance 1	Declaration No. in SCIP database	Additional product data
			Predecessor EAN
BA-LIN-Z3 770-830 280X20-HV	No declarable substances contained	No declarable substances contained	
BA-LIN-Z3 770-840 280X20-HV	No declarable substances contained	No declarable substances contained	
BA-LIN-Z3 1100-830 280X20	No declarable substances contained	No declarable substances contained	4052899989788
BA-LIN-Z3 1100-840 280X20	No declarable substances contained	No declarable substances contained	4052899989801
BA-LIN-Z3 1100-865 280X20	No declarable substances contained	No declarable substances contained	
BA-LIN-Z3 1550-830 560X20-HV	No declarable substances contained	No declarable substances contained	4052899989825
BA-LIN-Z3 1550-840 560X20-HV	No declarable substances contained	No declarable substances contained	4052899989849
BA-LIN-Z3 2200-830 560X20	No declarable substances contained	No declarable substances contained	4052899989863
BA-LIN-Z3 2200-840 560X20	No declarable substances contained	No declarable substances contained	4052899989887
BA-LIN-Z3 2200-865 560X20	No declarable substances contained	No declarable substances contained	
BA-LIN-Z3 3100-830 1120X20-HV	No declarable substances contained	No declarable substances contained	
BA-LIN-Z3 3100-840 1120X20-HV	No declarable substances contained	No declarable substances contained	
BA-LIN-Z3 4400-830 1120X20	No declarable substances contained	No declarable substances contained	4052899989900
BA-LIN-Z3 4400-840 1120X20	No declarable substances contained	No declarable substances contained	4052899989924
BA-LIN-Z3 4400-865 1120X20	No declarable substances contained	No declarable substances contained	

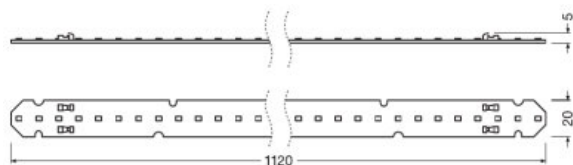
Product family datasheet



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

Download Data

File	
	Certificates PL ENEC 40031612 250920
	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 ³	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 ³	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 ³	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 ³	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 ³	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 ³	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 ³	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 ³	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 ³	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 ³	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 ³	4027.00 g
4052899607675	BA-LIN-Z3 3100-840 1120X20-HV	Shipping carton box 60	1147 mm x 295 mm x 120 mm	40.60 dm ³	4027.00 g
4052899607682	BA-LIN-Z3 4400-830 1120X20	Shipping carton box 60	1147 mm x 295 mm x 120 mm	40.60 dm ³	4027.00 g
4052899607699	BA-LIN-Z3 4400-840 1120X20	Shipping carton box 60	1147 mm x 295 mm x 120 mm	40.60 dm ³	4027.00 g

Product family datasheet

Logistical Data

4052899607705	BA-LIN-Z3 4400-865 1120X20	Shipping carton box 60	1147 mm x 295 mm x 120 mm	40.60 dm ³	4027.00 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.

Disclaimer

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