

LINEARlight FLEX ShortPitch

LED modules for professional and industrial applications



Areas of application

- Edge coupling
- Small coving
- Path lighting
- Contour accent lighting
- Signage
- Advertising and lettering

Product benefits

- Very small LED spacing
- Great design freedom thanks to flexibility and cuttability of module
- Simple mounting and connection
- Toolless connection with the optional SLIMCONNECTsystem G2
- Easy mounting on many smooth surfaces thanks to self-adhesive tape at the back

Product features

- Flexible and cuttable LED strip
- Luminous flux: up to 850 lm/m
- Module efficacy: up to 99 lm/W
- Dimmable
- Fine White



Product family datasheet

Technical data

Electrical data

Product description	Nominal voltage	Nominal current	Rated wattage	Reverse Voltage	Type of current	Input voltage range
LF800S -G3-824-10 ¹⁾	24.0 V	3.7 A	89.00 W	25 V	DC	23...25 V
LF800S -G3-827-10 ¹⁾	24.0 V	3.7 A	89.00 W	25 V	DC	23...25 V
LF800S -G3-830-10 ¹⁾	24.0 V	3.5 A	83.00 W	25 V	DC	23...25 V
LF800S -G3-840-10 ¹⁾	24.0 V	3.6 A	86.00 W	25 V	DC	23...25 V
LF800S -G3-850-10 ¹⁾	24.0 V	3.6 A	86.00 W	25 V	DC	23...25 V
LF800S -G3-865-10 ¹⁾	24.0 V	3.6 A	86.00 W	25 V	DC	23...25 V
LF06S -W3F-824	24.0 V	2.2 A	49.00 W	25 V	DC	23...25 V
LF06S -W3F-827	24.0 V	2.4 A	58.00 W	25 V	DC	23...25 V
LF06S -W3F-830	24.0 V	2.4 A	58.00 W	25 V	DC	23...25 V
LF06S -W3F-840	24.0 V	2.4 A	58.00 W	25 V	DC	23...25 V
LF06S -W3F-850	24.0 V	2.4 A	58.00 W	25 V	DC	23...25 V
LF06S -W3F-865	24.0 V	2.4 A	58.00 W	25 V	DC	23...25 V

¹⁾ Modules perfectly matched to OSRAM OPTOTRONIC LED drivers (see relevant table)/For current photometric data and important safety, installation and application information, see www.osram.com/led-systems/ALL the technical parameters apply to the entire module. In view of the complex manufacturing process for light emitting diodes, the typical values given above for the technical LED parameters are merely statistical values that do not necessarily correspond to the actual technical parameters of an individual product; individual products may vary from the typical values

Photometrical data

Product description	Color temperature	Color rendering index Ra	Light color (designation)	Light color LED	Luminous flux per meter	Luminous flux
LF800S -G3-824-10 ¹⁾	2400 K	>80	Warm Comfort Light	White	800 lm	8000 lm
LF800S -G3-827-10 ¹⁾	2700 K	>80	Warm White	White	800 lm	8000 lm
LF800S -G3-830-10 ¹⁾	3000 K	>80	Warm White	White	800 lm	8000 lm
LF800S -G3-840-10 ¹⁾	4000 K	>80	Cool White	White	850 lm	8500 lm
LF800S -G3-850-10 ¹⁾	5000 K	>80	Cool White	White	850 lm	8500 lm
LF800S -G3-865-10 ¹⁾	6500 K	>80	Cool Daylight	White	850 lm	8500 lm
LF06S -W3F-824	2400 K	>80	Warm Comfort Light	White	780 lm	4680 lm
LF06S -W3F-827	2700 K	>80	Warm White	White	780 lm	4680 lm
LF06S -W3F-830	3000 K	>80	Warm White	White	780 lm	4680 lm
LF06S -W3F-840	4000 K	>80	Cool White	White	850 lm	5076 lm
LF06S -W3F-850	5000 K	>80	Daylight	White	850 lm	5076 lm
LF06S -W3F-865	6000 K	>80	Daylight	White	850 lm	5076 lm

Product description	Luminous efficacy
LF800S -G3-824-10 ¹⁾	90 lm/W
LF800S -G3-827-10 ¹⁾	90 lm/W
LF800S -G3-830-10 ¹⁾	96 lm/W

Product family datasheet

Product description	Luminous efficacy
LF800S -G3-840-10 ¹⁾	99 lm/W
LF800S -G3-850-10 ¹⁾	99 lm/W
LF800S -G3-865-10 ¹⁾	99 lm/W
LF06S -W3F-824	81 lm/W
LF06S -W3F-827	81 lm/W
LF06S -W3F-830	81 lm/W
LF06S -W3F-840	88 lm/W
LF06S -W3F-850	88 lm/W
LF06S -W3F-865	88 lm/W

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Light technical data

Product description	Beam angle
LF800S -G3-824-10 ¹⁾	120 °
LF800S -G3-827-10 ¹⁾	120 °
LF800S -G3-830-10 ¹⁾	120 °
LF800S -G3-840-10 ¹⁾	120 °
LF800S -G3-850-10 ¹⁾	120 °
LF800S -G3-865-10 ¹⁾	120 °
LF06S -W3F-824	120 °
LF06S -W3F-827	120 °
LF06S -W3F-830	120 °
LF06S -W3F-840	120 °
LF06S -W3F-850	120 °
LF06S -W3F-865	120 °

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LED module information

Product description	Number of LEDs per module	Number of LEDs per meter
LF800S -G3-824-10 ¹⁾	1200	120
LF800S -G3-827-10 ¹⁾	1200	120
LF800S -G3-830-10 ¹⁾	1200	120
LF800S -G3-840-10 ¹⁾	1200	120
LF800S -G3-850-10 ¹⁾	1200	120
LF800S -G3-865-10 ¹⁾	1200	120
LF06S -W3F-824	720	120
LF06S -W3F-827	720	120
LF06S -W3F-830	720	120
LF06S -W3F-840	720	120
LF06S -W3F-850	720	120
LF06S -W3F-865	720	120

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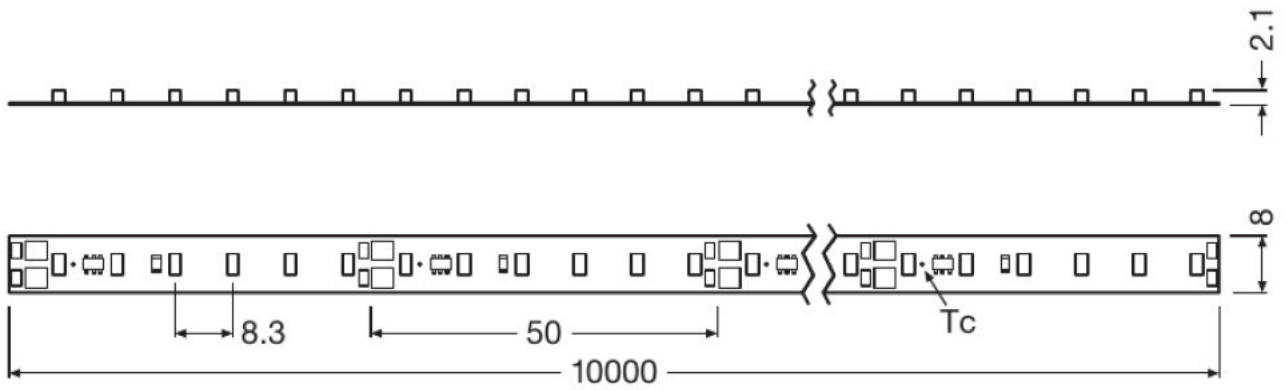
Dimensions & weight

Product description	Length	Length – smallest unit	Width	Height	Product weight
LF800S -G3-824-10 ¹⁾	10000 mm	50.0 mm	8.0 mm	2.1 mm	91.00 g
LF800S -G3-827-10 ¹⁾	10000 mm	50.0 mm	8.0 mm	2.1 mm	91.00 g
LF800S -G3-830-10 ¹⁾	10000 mm	50.0 mm	8.0 mm	2.1 mm	91.00 g
LF800S -G3-840-10 ¹⁾	10000 mm	50.0 mm	8.0 mm	2.1 mm	91.00 g
LF800S -G3-850-10 ¹⁾	10000 mm	50.0 mm	8.0 mm	2.1 mm	91.00 g
LF800S -G3-865-10 ¹⁾	10000 mm	50.0 mm	8.0 mm	2.1 mm	91.00 g
LF06S -W3F-824	6000 mm	50.0 mm	8.0 mm	2.1 mm	116.00 g
LF06S -W3F-827	6000 mm	50.0 mm	8.0 mm	2.1 mm	50.00 g
LF06S -W3F-830	6000 mm	50.0 mm	8.0 mm	2.1 mm	50.00 g
LF06S -W3F-840	6000 mm	50.0 mm	8.0 mm	2.1 mm	50.00 g
LF06S -W3F-850	6000 mm	50.0 mm	8.0 mm	2.1 mm	50.00 g
LF06S -W3F-865	6000 mm	50.0 mm	8.0 mm	2.1 mm	50.00 g

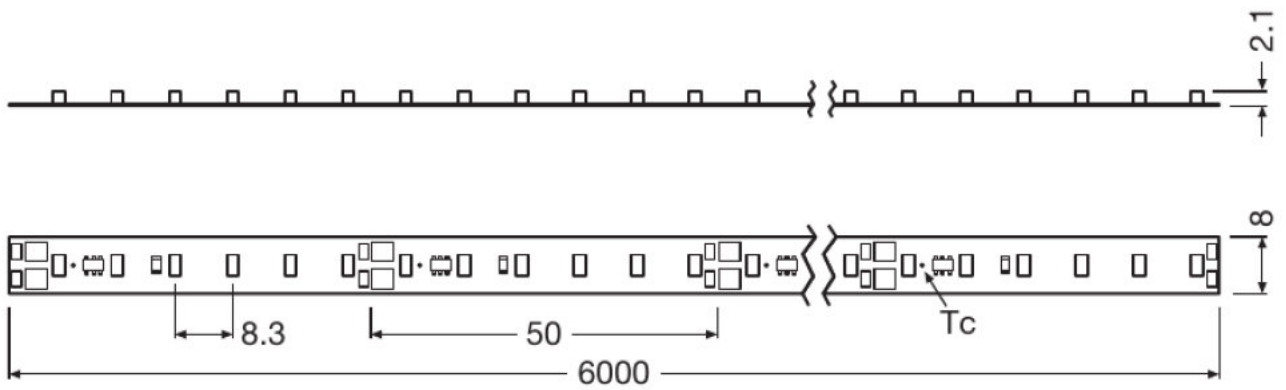
¹⁾ Modules perfectly matched to OSRAM OPTOTRONIC LED drivers (see relevant table)/For current photometric data and important safety, installation and application information, see www.osram.com/led-systems/All the technical parameters apply to the entire module. In view of the complex manufacturing process for light emitting diodes, the typical values given above for the technical LED parameters are merely statistical values that do not necessarily correspond to the actual technical parameters of an individual product; individual products may vary from the typical values

Product family datasheet

Product line drawing



LF800S -G3-824-10, LF800S -G3-827-10, LF800S -G3-830-10, LF800S -G3-840-10, LF800S -G3-850-10, LF800S -G3-865-10



LF06S -W3F-824, LF06S -W3F-827, LF06S -W3F-830, LF06S -W3F-840, LF06S -W3F-850, LF06S -W3F-865

Temperatures & operating conditions

Product description	Temperature range in operation
LF800S -G3-824-10 ¹⁾	-30...75 °C
LF800S -G3-827-10 ¹⁾	-30...75 °C
LF800S -G3-830-10 ¹⁾	-30...75 °C
LF800S -G3-840-10 ¹⁾	-30...75 °C
LF800S -G3-850-10 ¹⁾	-30...75 °C
LF800S -G3-865-10 ¹⁾	-30...75 °C
LF06S -W3F-824	-30...75 °C
LF06S -W3F-827	-30...75 °C ²⁾
LF06S -W3F-830	-30...75 °C ²⁾
LF06S -W3F-840	-30...75 °C ²⁾
LF06S -W3F-850	-30...75 °C ²⁾
LF06S -W3F-865	-30...75 °C ²⁾

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²⁾ At the T_c point

Lifespan

Product description	Lifespan
LF800S -G3-824-10 ¹⁾	60000 h ²⁾
LF800S -G3-827-10 ¹⁾	60000 h ²⁾
LF800S -G3-830-10 ¹⁾	60000 h ²⁾
LF800S -G3-840-10 ¹⁾	60000 h ²⁾
LF800S -G3-850-10 ¹⁾	60000 h ²⁾
LF800S -G3-865-10 ¹⁾	60000 h ²⁾
LF06S -W3F-824	50000 h ³⁾
LF06S -W3F-827	50000 h ³⁾
LF06S -W3F-830	50000 h ³⁾
LF06S -W3F-840	50000 h ³⁾
LF06S -W3F-850	50000 h ³⁾
LF06S -W3F-865	50000 h ³⁾

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²⁾ L70/B50

³⁾ L70/B50 at T_c 40 °C

Product family datasheet

Capabilities

Product description	Dimmable
LF800S -G3-824-10 ¹⁾	Yes
LF800S -G3-827-10 ¹⁾	Yes
LF800S -G3-830-10 ¹⁾	Yes
LF800S -G3-840-10 ¹⁾	Yes
LF800S -G3-850-10 ¹⁾	Yes
LF800S -G3-865-10 ¹⁾	Yes
LF06S -W3F-824	Yes
LF06S -W3F-827	Yes
LF06S -W3F-830	Yes
LF06S -W3F-840	Yes
LF06S -W3F-850	Yes
LF06S -W3F-865	Yes

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Certificates & standards

Product description	Energy consumption	Energy efficiency class
LF800S -G3-824-10 ¹⁾	98 kWh/1000h	A+ ²⁾
LF800S -G3-827-10 ¹⁾	98 kWh/1000h	A+ ²⁾
LF800S -G3-830-10 ¹⁾	92 kWh/1000h	A+ ²⁾
LF800S -G3-840-10 ¹⁾	89 kWh/1000h	A+ ²⁾
LF800S -G3-850-10 ¹⁾	95 kWh/1000h	A+ ²⁾
LF800S -G3-865-10 ¹⁾	95 kWh/1000h	A+ ²⁾
LF06S -W3F-824		
LF06S -W3F-827	1 kWh/1000h	A++
LF06S -W3F-830	1 kWh/1000h	A++
LF06S -W3F-840	1 kWh/1000h	A++
LF06S -W3F-850	1 kWh/1000h	A++
LF06S -W3F-865	1 kWh/1000h	A++

Product description	Standards
LF800S -G3-824-10 ¹⁾	UL/CE; ENEC 10 VDE
LF800S -G3-827-10 ¹⁾	UL/CE; ENEC 10 VDE
LF800S -G3-830-10 ¹⁾	UL/CE; ENEC 10 VDE
LF800S -G3-840-10 ¹⁾	UL/CE; ENEC 10 VDE
LF800S -G3-850-10 ¹⁾	UL/CE; ENEC 10 VDE
LF800S -G3-865-10 ¹⁾	UL/CE; ENEC 10 VDE
LF06S -W3F-824	CE/UL/ENEC/VDE
LF06S -W3F-827	CE/UL/ENEC/VDE

Product family datasheet

Product description	Standards
LF06S -W3F-830	CE/UL/ENEC/VDE
LF06S -W3F-840	CE/UL/ENEC/VDE
LF06S -W3F-850	CE/UL/ENEC/VDE
LF06S -W3F-865	CE/UL/ENEC/VDE

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²⁾ Applicable on smallest operable unit

Logistical data

Product description	Temperature range at storage
LF800S -G3-824-10 ¹⁾	-40...85 °C
LF800S -G3-827-10 ¹⁾	-40...85 °C
LF800S -G3-830-10 ¹⁾	-40...85 °C
LF800S -G3-840-10 ¹⁾	-40...85 °C
LF800S -G3-850-10 ¹⁾	-40...85 °C
LF800S -G3-865-10 ¹⁾	-40...85 °C
LF06S -W3F-824	-40...85 °C
LF06S -W3F-827	-40...85 °C
LF06S -W3F-830	-40...85 °C
LF06S -W3F-840	-40...85 °C
LF06S -W3F-850	-40...85 °C
LF06S -W3F-865	-40...85 °C

¹⁾ Modules perfectly matched to OSRAM OPTOTRONIC LED drivers (see relevant table)/For current photometric data and important safety, installation and application information, see www.osram.com/led-systems/All the technical parameters apply to the entire module. In view of the complex manufacturing process for light emitting diodes, the typical values given above for the technical LED parameters are merely statistical values that do not necessarily correspond to the actual technical parameters of an individual product; individual products may vary from the typical values

Equipment / Accessories

- Simplified connection with optional matching SLIMCONNECTsystem G2
- Quick installation with optional SLIM TRACK System
- Perfectly matched to OPTOTRONIC 24 V electronic control gears

Application advice

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

Sales and Technical Support














Sales and Technical Support www.osram.com

Product family datasheet

















Country specific information

Product description	Product code	METEL-Code	SEG-No.	STK number	UK Org
LF06S -W3F-827	4008321973887	-	-	4030063	-
LF06S -W3F-830	4008321973894	-	-	4030064	-
LF06S -W3F-840	4008321973900	-	-	4030065	-
LF06S -W3F-850	4008321973917	-	-	4030066	-
LF06S -W3F-865	4008321973924	-	-	4030067	-

Download Data

File
 User instruction LINEARlight Flex
 Brochures Light is freedom of design (EN)
 Certificates VDE-ENEC+ Certificate
 Certificates EAC Certificate
 Certificates UL Certificate
 Declarations of conformity Declaration of Conformity LF800S-G3
 Declarations of conformity Manufacturer declaration LF800S-G3
 Eulumdat Eulumdat LF800S-G3-824-10
 IES data IES LF800S-G3-824-10
 Eulumdat Eulumdat LF800S-G3-827-10
 IES data IES LF800S-G3-827-10
 Eulumdat Eulumdat LF800S-G3-830-10
 IES data IES LF800S-G3-830-10
 Eulumdat Eulumdat LF800S-G3-840-10
 IES data IES LF800S-G3-840-10
 Eulumdat Eulumdat LF800S-G3-850-10

Product family datasheet

	IES data IES LF800S-G3-850-10
	Eulumdat Eulumdat LF800S-G3-865-10
	IES data IES LF800S-G3-865-10
	Product Family Datasheet 707501_Technical Datasheet LF06S
	Certificates VDE-ENEC Certificate
	Certificates UL Certificate
	Declarations of conformity Declaration of conformity
	Declarations of conformity Manufacturer declaration
	Addon Technical Information 685719_BinningSheet - LF06S
	Product Datasheet 333412_LINEARlight Flex Short Pitch - LF06S (GB)
	Brochures 683082_Light is FLEXible - Book of inspiration (GB)
	Eulumdat 651650_LF 780 827 6000 24 G1_Eulumdat
	Eulumdat 651651_LF 780 830 6000 24 G1_Eulumdat
	Eulumdat 651652_LF 850 840 6000 24 G1_Eulumdat
	Eulumdat 651653_LF 850 850 6000 24 G1_Eulumdat
	Eulumdat 651654_LF 850 865 6000 24 G1_Eulumdat

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899953109	LF800S -G3-824-10	Shipping carton box 8	365 mm x 286 mm x 366 mm	38.21 dm ³	4694.00 g
4052899953116	LF800S -G3-827-10	Shipping carton box 8	365 mm x 286 mm x 366 mm	38.21 dm ³	4694.00 g
4052899953123	LF800S -G3-830-10	Shipping carton box 8	365 mm x 286 mm x 366 mm	38.21 dm ³	4694.00 g
4052899953130	LF800S -G3-840-10	Shipping carton box 8	365 mm x 286 mm x 366 mm	38.21 dm ³	4694.00 g

Product family datasheet

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899953147	LF800S -G3-850-10	Shipping carton box 8	365 mm x 286 mm x 366 mm	38.21 dm ³	4694.00 g
4052899953154	LF800S -G3-865-10	Shipping carton box 8	365 mm x 286 mm x 366 mm	38.21 dm ³	4694.00 g
4052899942776	LF06S -W3F-824	Shipping carton box 8	241 mm x 195 mm x 205 mm	9.63 dm ³	2101.00 g
4008321973887	LF06S -W3F-827	Shipping carton box 8	241 mm x 195 mm x 205 mm	9.63 dm ³	1546.75 g
4008321973894	LF06S -W3F-830	Shipping carton box 8	241 mm x 195 mm x 205 mm	9.63 dm ³	1679.50 g
4008321973900	LF06S -W3F-840	Shipping carton box 8	241 mm x 195 mm x 205 mm	9.63 dm ³	1672.00 g
4008321973917	LF06S -W3F-850	Shipping carton box 8	241 mm x 195 mm x 205 mm	9.63 dm ³	2097.00 g
4008321973924	LF06S -W3F-865	Shipping carton box 8	241 mm x 136 mm x 205 mm	6.72 dm ³	972.00 g

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.

Accessories Optional

Product description	Accessory name	Accessory code
LF800S -G3-824-10	LINEARlight FLEX, -SC08-G2-CT2PF-0500	▶ 4052899464759
LF800S -G3-824-10	LINEARlight FLEX, -SC08-G2-CT2PF-1000	▶ 4052899464780
LF800S -G3-824-10	LINEARlight FLEX, -SC08-G2-CT4PJ	▶ 4052899464872
LF800S -G3-827-10	LINEARlight FLEX, -SC08-G2-CT2PF-0500	▶ 4052899464759
LF800S -G3-827-10	LINEARlight FLEX, -SC08-G2-CT2PF-1000	▶ 4052899464780
LF800S -G3-827-10	LINEARlight FLEX, -SC08-G2-CT4PJ	▶ 4052899464872
LF800S -G3-830-10	LINEARlight FLEX, -SC08-G2-CT2PF-0500	▶ 4052899464759
LF800S -G3-830-10	LINEARlight FLEX, -SC08-G2-CT2PF-1000	▶ 4052899464780
LF800S -G3-830-10	LINEARlight FLEX, -SC08-G2-CT4PJ	▶ 4052899464872
LF800S -G3-840-10	LINEARlight FLEX, -SC08-G2-CT2PF-0500	▶ 4052899464759
LF800S -G3-840-10	LINEARlight FLEX, -SC08-G2-CT2PF-1000	▶ 4052899464780
LF800S -G3-840-10	LINEARlight FLEX, -SC08-G2-CT4PJ	▶ 4052899464872
LF800S -G3-850-10	LINEARlight FLEX, -SC08-G2-CT2PF-0500	▶ 4052899464759
LF800S -G3-850-10	LINEARlight FLEX, -SC08-G2-CT2PF-1000	▶ 4052899464780
LF800S -G3-850-10	LINEARlight FLEX, -SC08-G2-CT4PJ	▶ 4052899464872
LF800S -G3-865-10	LINEARlight FLEX, -SC08-G2-CT2PF-0500	▶ 4052899464759
LF800S -G3-865-10	LINEARlight FLEX, -SC08-G2-CT2PF-1000	▶ 4052899464780
		▶

Product family datasheet

LF800S -G3-865-10	LINEARlight FLEX, -SC08-G2-CT4PJ	4052899464872
LF06S -W3F-827	LINEARlight FLEX, -2100	▶ 4008321978998
LF06S -W3F-830	LINEARlight FLEX, -2100	▶ 4008321978998
LF06S -W3F-840	LINEARlight FLEX, -2100	▶ 4008321978998
LF06S -W3F-850	LINEARlight FLEX, -2100	▶ 4008321978998
LF06S -W3F-865	LINEARlight FLEX, -2100	▶ 4008321978998

References / Links

System configurator tool is available online at <https://flex.osram.info/en/flex-configurator>

Disclaimer

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