

Light is OSRAM

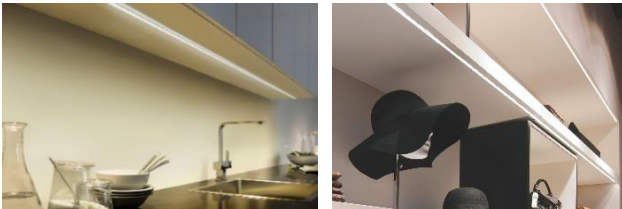
Slim Profile System

Slim Profile 12 mm height, 3 mm wings
FX-QMS-G1-TU16H12W3-300



Features & Benefits

Embed powerful lighting into flat surfaces. Thanks to the compact dimensions, this slim yet powerful profile is ideal to embed the light into any surface with a minimal thickness of 12 mm. Suitable for light up cabinets, shelves and plasterboards, for both decorative and general lighting solutions.



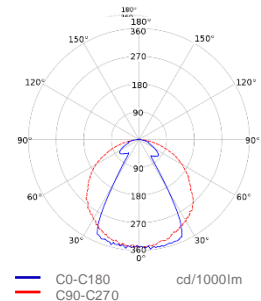
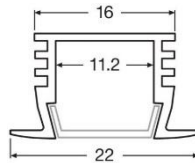
Application

- Architectural Integration
- Shelves, Closets, Showcases, Cabinets Lighting
- Handrails and Stairs

Dimension & Available Covers



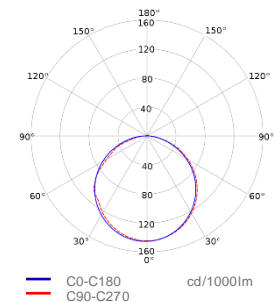
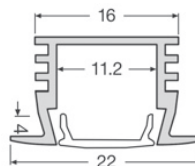
Slim profile 12 mm height, 3 mm wings
FX-QMS-G1-TU16H12W3-300
Dimensions: W22 x H12 x L3000 mm



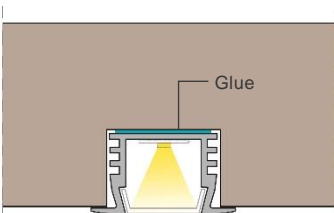
Profile without cover



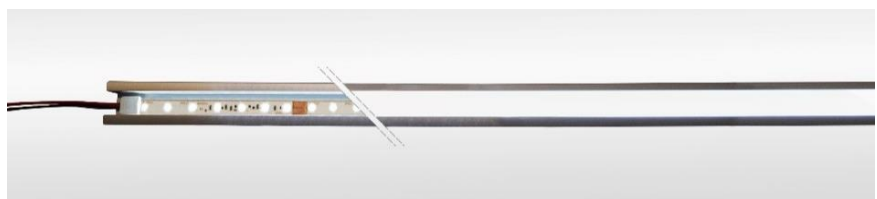
Slim cover frosted FX-QMS-G1-CFDB-300
Or
Slim cover clear FX-QMS-G1-CFTL-300
Dimensions: W11 x H4 x L3000 mm



Slim cover frosted



Installation example with glue on wood



Slim Profile and strip LF1200 with and without frosted cover.

Electrical & Output data

Profile & LED Strip Compatibility									
LED Strip White IP00				LF500	LF800S	LF1200	LF2000	LF3000	LF4000
Color Temperature				Luminous Flux (lm/m) ¹					
●	820	2000 K	White	-	-	700	1155	1750	-
●	822	2200 K	White	308	518	-	-	-	-
●	824	2400 K	White	-	-	840	1400	2100	-
●	825	2500 K	White	336	560	-	-	-	-
●	827	2700 K	White	336	560	840	1400	2100	2625
●	830	3000 K	White	364	560	840	1400	2100	2625
●	835	3500 K	White	364	560	-	-	-	-
○	840	4000 K	White	364	560	840	1400	2100	2695
○	850	5000 K	White	-	-	840	1400	2100	2695
○	865	6500 K	White	364	560	840	400	2100	2695
●	CRI 90 922	2200 K	White	252	385	-	-	-	-
●	CRI 90 927	2700 K	White	280	434	770	1260	1890	-
●	CRI 90 930	3000 K	White	280	434	840	1400	2100	-
●	CRI 90 935	3500 K	White	308	476	-	-	-	-
○	CRI 90 940	4000 K	White	308	476	840	1400	2100	-
○	CRI 90 965	6500 K	White	308	476	-	-	-	-

LED Strip Special White IP00				LF1200 SW	LF1200 TW	LF2000 SW	LF2000 TW	LF3000 SW	LF3000 TWW
Color Temperature				Luminous Flux (lm/m) ¹					
●	CRI 90 930	3000 K	White	840	-	1400	-	2100	-
○	CRI 90 940	4000 K	White	840	-	1400	-	2100	-
●	TW	2700 - 6500 K	Dynamic White	-	840	-	1400	-	-
●	TWW	2200/2500-6500 K	Dynamic White	-	-	-	-	-	2100

LED Strip Color IP00				LF05A2	LF200C	LF05CE	LF05CA2	LF700RGBW	LF71300RGBW
Color Wave length				Luminous Flux (lm/m) ¹					
●	R	625	Red	84	-	-	-	-	-
●	G	525	Green	126	-	-	-	-	-
●	B	467	Blue	56	-	-	-	-	-
●	Y	587	Yellow	77	-	-	-	-	-
●	O	602	Orange	91	-	-	-	-	-
●	RGB	RGB	RGB	-	146	126	329	-	-
●	RGBW	RGBW	RGBW	-	-	-	-	488	905


*Both channels RGB and White on


Profile & LED Strip Compatibility										
LED Strip White IP67				LFP500	LFP800S	LFP800	LFP1200	LFP1200 SW	LFP2000	LFP2000 SW
Color Temperature				Luminous Flux (lm/m) ¹						
●	824	2400 K	White	-	-	560	770	-	1260	-
●	827	2700 K	White	308	518	560	805	-	1330	-
●	830	3000 K	White	336	560	-	840	-	1330	-
●	835	3500 K	White	336	560	-	-	-	-	-
○	840	4000 K	White	364	560	-	840	-	1330	-
○	860	6000 K	White	-	-	-	770	-	1260	-
○	865	6500 K	White	364	560	-	-	-	-	-
●	CRI 90 927	2700 K	White	252	385	-	-	-	-	-
●	CRI 90 930	3000 K	White	-	-	-	770	-	1260	-
●	CRI 90 935	3500 K	White	280	434	-	-	-	-	-
○	CRI 90 940	4000 K	White	280	434	-	840	840	1330	1260
○	CRI 90 960	5800 K	White	-	-	-	840	-	1330	-
○	CRI 90 965	6500 K	White	280	476	-	-	-	-	-

LED Strip Color IP67				LF05A-B3-P	LFP200C	LF05CE-P	LF05CA-P
Color Wave length				Luminous Flux (lm/m) ¹			
●	B	467	Blue	56	-	-	-
●	RGB	RGB	RGB	-	146	126	305

¹ Luminous flux comprehensive of the track's efficiency without cover (Light Output Ratio 70%).
Note: -39% luminous flux with frosted cover and -10 % with clear cover (estimated value).

Thermal compatibility

IP00 LED strip	White & Special White					Tunable White			Color		
	LF500 LF800S	LF1200 LF1200 SW	LF2000 LF2000 SW	LF3000 LF3000 SW	LF4000	LF1200 TW	LF2000 TW	LF3000 TWW	LF05A2 LF05CA2 LF05CE LF200C	LF700 RGBW	LF1300 RGBW
Mounting condition	Maximum Ambient Temperature °C										
 Recessed mounting	50	50	37	27	27	50	35	25	50	50	40

IP67 LED strip	White & Special White			Color	
	LFP500 LFP800S	LFP800 LFP1200 LFP1200SW	LFP2000 LFP2000SW	LF05A-P LF05CE-P LFP200C	LF05CA-P
Mounting condition	Maximum Ambient Temperature °C				
 Recessed mounting	50	50	35	50	35

The tables report the maximum recommended ambient temperature for the Slim Profile 12 mm height, 3 mm wings in combination with IP00 and IP67 LED strips in case of recessed mounting condition. In these conditions the expected Tc of LED strip is the maximum allowed.

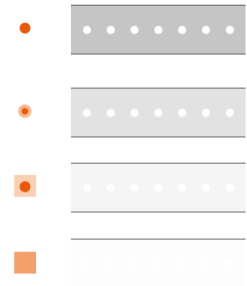
Note: the table is for application evaluation only; always ensure that Tc do not exceed the maximum allowed value.

For further information contact our support service at flex-support@osram.com

Visibility of LED spots

IP00 LED strip	White & Special White				Tunable White		Color	
	LF500	LF800S	LF1200 LF2000 LF3000	LF1200SW LF2000SW LF3000SW	LF1200TW LF2000TW LF3000TWW	LF05A2 LF05CA2 LF05CE LF200C	LF700RGBW	LF1300RGBW
Covers	Maximum Ambient Temperature °C							
Frosted cover FX-QMS-G1-CFDB-300						●	●	
Clear Cover FX-QMS-G1-CFTL-300	●	●	●	●	●	●	●	●

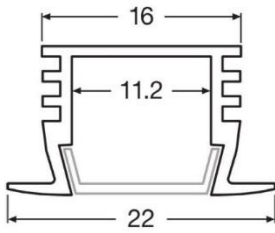
IP67 LED strip	White & Special White				Color	
	LFP500	LFP800S	LFP1200 LFP2000	LFP1200SW LFP2000SW	LF05CA-P LF05CE-P LFP200C	LF05A-P
Covers	Maximum Ambient Temperature °C					
Frosted cover FX-QMS-G1-CFDB-300					●	●
Clear Cover FX-QMS-G1-CFTL-300	●	●	●	●	●	●



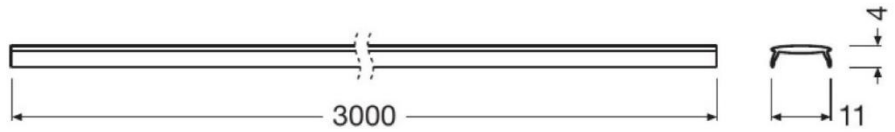
LINEARlight FLEX® LED strips in system combination with profiles and covers – Visibility of LED spots

Front view from observing point < 1.5m, size: not to scale

Technical drawings

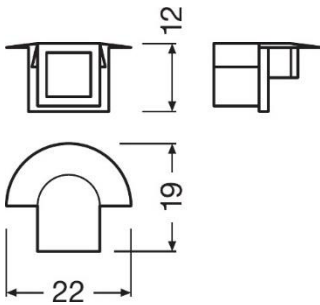


Slim Profile 12 mm height, 3 mm wings
FX-QMS-G1-TU16H12W3-300
Order code 4052899448988



Slim cover frosted
FX-QMS-G1-CFDB-300
Order code 4052899446991

Slim cover clear
FX-QMS-G1-CFTL-300
Order code 405289999749



Plastic end cap
FX-QMS-G1-EFGP-TU16H12W3
Order code 4052899449817

Plastic end cap with hole
FX-QMS-G1-EFGH-TU16H12W3
Order code 405289999886

Order Code

Product Code	Description	Product number (EAN10)	Dimensions (length x width x height)	EAN Package content
FX-QMS-G1-TU16H12W3-300	Slim Profile 3 mm wings	4052899448988	3000 x 22 x 12 mm	1x Profile
FX-QMS-G1-CFTL-300	Slim cover clear	405289999749	3000 x 12 x 4 mm	1x Cover
FX-QMS-G1-CFDB-300	Slim cover frosted	4052899446991	3000 x 11 x 4 mm	1x Cover
FX-QMS-G1-EFGP-TU16H12W3	End cap	4052899449817	22 x 19 x 12 mm	40x End cap
FX-QMS-G1-EFGH-TU16H12W3	End cap with hole	405289999886	22 x 19 x 12 mm	40x End cap

Complete System Example



For further information please write to flex-support@osram.com
or consult our Flex Configurator at www.osram.com/flex-configurator

Disclaimer

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

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