

Lumen output calculation according to Specification Sheet

Specification Sheet

1. Choose your Flexessories and your LED strip according to the application

SLIM TRACK System

Slim Track 12 mm height
FX-QMS-G1-TU16H12-300

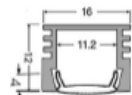


Features & Benefits

Powerful lighting in compact size.
With reduced dimensions, this slim yet powerful track is ideal to create tailor made general lighting solutions thanks to the different available optics, also in confined spaces, such as coves and furniture.
Perfect for wall grazing and wall washing effects thanks to narrow beam lens cover.

Application

- Architectural Integration
- Shelves, Closets, Showcases, Cabinets Lighting
- Handrail and Stairs
- Wall Washing



Example

Slim Track FX-QMS-G1-TU16H12-300
Cover frosted matte FX-QMS-G1-CFDB-300
LED strip LF POWER 1200 4000K

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Light is OSRAM

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Dimension & Available Covers

Application example - Only ceiling Application example - In-cove Application example - Ceiling

LED strip and other LP200 with and without cover frosted matte

SPIFICATION SHEET

LF1200		LF2000	
OW	SW	OW	SW
100	1118	100	1118
500	1400	500	1400
500	1400	500	1400
500	1400	500	1400
500	1400	500	1400
500	1400	500	1400
500	1400	500	1400
500	1400	500	1400
500	1400	500	1400
500	1400	500	1400

LF2000		LP2000		LP2900	
OW	SW	OW	SW	OW	SW
100	1118	100	1118	100	1118
500	1400	500	1400	500	1400
500	1400	500	1400	500	1400
500	1400	500	1400	500	1400
500	1400	500	1400	500	1400
500	1400	500	1400	500	1400
500	1400	500	1400	500	1400
500	1400	500	1400	500	1400
500	1400	500	1400	500	1400
500	1400	500	1400	500	1400

LF2000		LP2000		LP2900	
OW	SW	OW	SW	OW	SW
100	1118	100	1118	100	1118
500	1400	500	1400	500	1400
500	1400	500	1400	500	1400
500	1400	500	1400	500	1400
500	1400	500	1400	500	1400
500	1400	500	1400	500	1400
500	1400	500	1400	500	1400
500	1400	500	1400	500	1400
500	1400	500	1400	500	1400
500	1400	500	1400	500	1400

LF2000		LP2000		LP2900	
OW	SW	OW	SW	OW	SW
100	1118	100	1118	100	1118
500	1400	500	1400	500	1400
500	1400	500	1400	500	1400
500	1400	500	1400	500	1400
500	1400	500	1400	500	1400
500	1400	500	1400	500	1400
500	1400	500	1400	500	1400
500	1400	500	1400	500	1400
500	1400	500	1400	500	1400
500	1400	500	1400	500	1400

Both channels frosted and white in only without cover)

LF2000		LP2000		LP2900	
OW	SW	OW	SW	OW	SW
100	1118	100	1118	100	1118
500	1400	500	1400	500	1400
500	1400	500	1400	500	1400
500	1400	500	1400	500	1400
500	1400	500	1400	500	1400
500	1400	500	1400	500	1400
500	1400	500	1400	500	1400
500	1400	500	1400	500	1400
500	1400	500	1400	500	1400
500	1400	500	1400	500	1400

Be always checked [toC]s read due to cover 10°

Lumen output calculation

2. Calculate the lumen output

The luminous flux reported in the specification sheet is comprehensive of the track's efficiency. It has to be reduced of a % value, according to the chosen cover.

Chosen products:

- Slim Track FX-QMS-G1-TU16H12-300
- Cover frosted matte
- LF POWER 1200 4000K



FINAL FLUX of the system:
840 lm/m -39%= **512 lm/m**

Electrical & Output data

TRACK & LED STRIP COMPATIBILITY ¹						
LED Strip WHITE		LF200	LF06A	LF800S	LF1200	LF2000
Color Temperature		Luminous Flux (lm/m) ²				
●	820 2000 K White	-	-	-	700	1155
●	824 2400 K White	-	266	560	840	1400
●	827 2700 K White	140	273	560	840	1400
●	830 3000 K White	140	273	560	840	1400
○	840 4000 K White	140	297	595	840	1400
●	850 5000 K White	-	297	595	840	1400
●	865 6500 K White	140	297	595	840	1400
●	CRI 90 927 2700 K White	-	-	-	770	1260
●	CRI 90 930 3000 K White	-	-	-	840	1400
○	CRI 90 940 4000 K White	-	-	-	840	1400

¹ Compatibility tested in surface condition including cover at T amb=25°C. Tc of the LED strip has to be always checked (Tc<Tc max) due to dependence on the specific installation conditions.

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

² Luminous flux comprehensive of the track's efficiency without cover (Light Output Ratio 70%).

Note: -45% luminous flux with cover frosted, -39% with frosted matte cover and -20% with lens cover 10°.

Eulumdata import in the calculation tool and change of the luminous flux

3. Download the correspondent Eulumdata

The file name is composed by the name of the track and the name of the cover:
'track_cover'

- FX-QMS-G1-TU16H12-300_CFDL.idt
- FX-QMS-G1-TU16H12-300_CFDL.idt
- FX-QMS-G1-TU16H12-300_CLT.LDT

4. Import the .ldt file in the calculation tool (e.g.Dialux)

5. Modify the flux according to your calculation (e.g. from 2000 to 512 lm/m)

The screenshot displays the Dialux 4.13 software interface. The main window shows a 2D floor plan of a room. On the left, a project tree lists the components: 'Progetto 1' containing 'Lampade utilizzate' (1 x OSRAM 4052899448865 FX-QMS-G1-TU15H6-300-C), 'Locale 1' containing 'Superficie utile', 'Pavimento', 'Soffitto', 'Superfici pareti', and 'Lampade' (1 x OSRAM 4052899448865 FX-QMS-G1-TU15H6-300-C). The 'Dati tecnici' panel is open, showing the 'Emissione luminosa 1' settings. The 'Flux' value is highlighted with a red circle and set to 512 lm, with a red arrow pointing to it from the right. Other settings include 'Lampadine: L2000', 'Potenza: 13.6 W', and 'Fattore correzione: 1.000'. A secondary panel on the right also shows the 'Flux' value set to 512 lm. A red dashed line with a blue dot at the end points from the 'Flux' input field in the secondary panel to the 'Flux' input field in the main panel.

Thank you.