

Light is OSRAM

OSRAM TEC Flex Shortpitch IP00

Create seamless lines of light with no visible shadows thanks to the extremely narrow pitch distance

TF600/1000/1500/2000S-G1



Application areas

General Lighting in shopping malls, hotels, restaurants
Residential installations
Integration into coves, walls and aluminum profiles
Light engine for luminaires

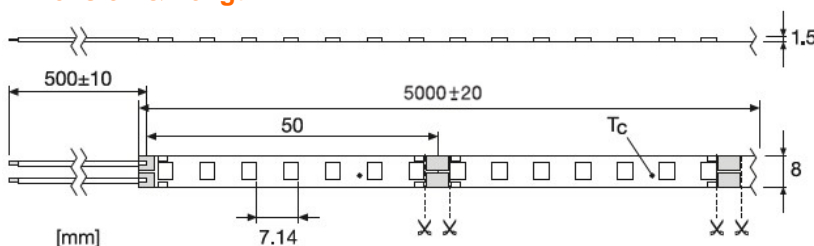
Approvals

CE, ENEC, RoHS

Features and Benefits

- 24V Constant Voltage Dimmable LED strip
- High homogeneity and uniform illumination due to 140LEDs
- Constant flux over length and power supply variations thanks to active IC on each single unit
- Luminous flux range: 600lm/m, 1000lm/m, 1500lm/m, 2000lm/m
- Color temperature: 2700K, 3000K, 4000K, 5000K, 6500K
- Single color bin in 3SDCM
- High Efficiency LED strips enabling energy saving
- Fast and reliable protection for accidental reverse power supply
- Robust ESD protection
- Improved self-adhesive backside for easy and reliable mounting on different surfaces
- Cables soldered one side for quick and safe installation
- Long lifetime: 50.000 hours
- 5 Years OSRAM Guarantee
- System combination with OSRAM 24V Constant Voltage LED drivers, optional connectors, mounting accessories

Dimension & Length



Lowest Bending Radius = 20mm
Number LEDs/m = 140
Pre-soldered wires on one side

Electrical & Output data

Nominal Voltage	24.0 V
Reverse voltage protection up to	25.0 V
Temperature range in operation @ T _c point	-25...+80 °C
Storage Temperature	-30...+85 °C
Ambient Temperature with profile**	-25...+50 °C

Technical data

GENERAL

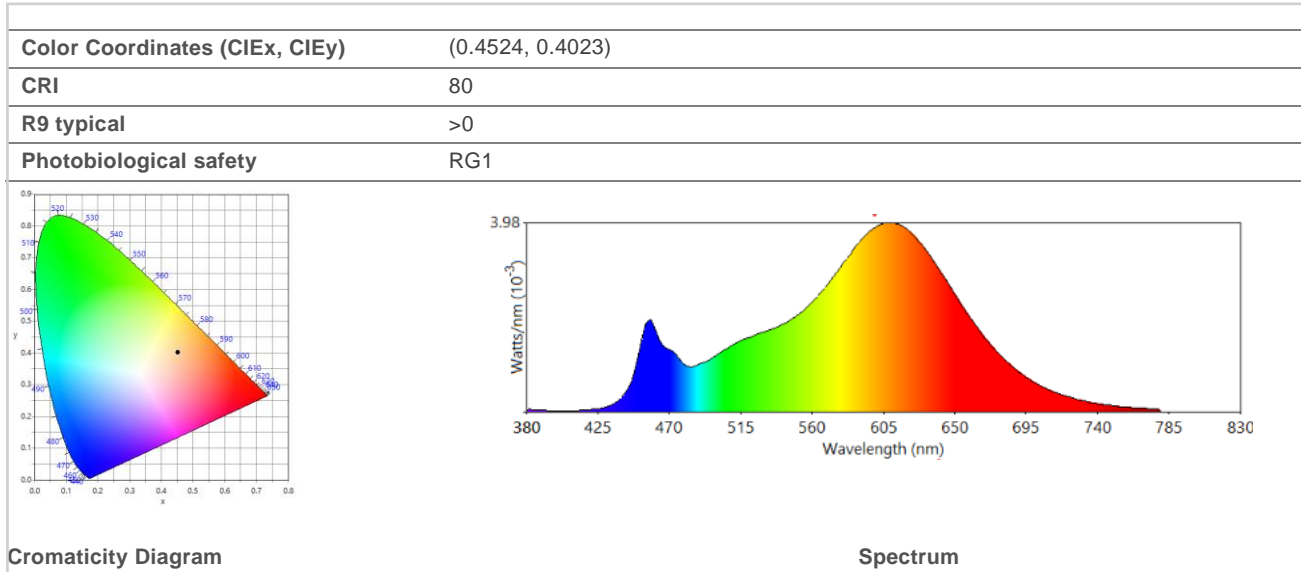
Dimmable	Pulse width modulation (PWM)
Dimming range	1...100%
Lifetime	50.000 hrs (L70B50 &L80B10, Tp rated)
Adhesive tape on backside	3M
Complementary systems	Connectors, Profiles and covers, OPTOTRONIC drivers and dimmers
Minimum bending radius	2 cm
Protection type	IP00
Classification acc. to IEC 62031	Built-in

REFERENCE DATA

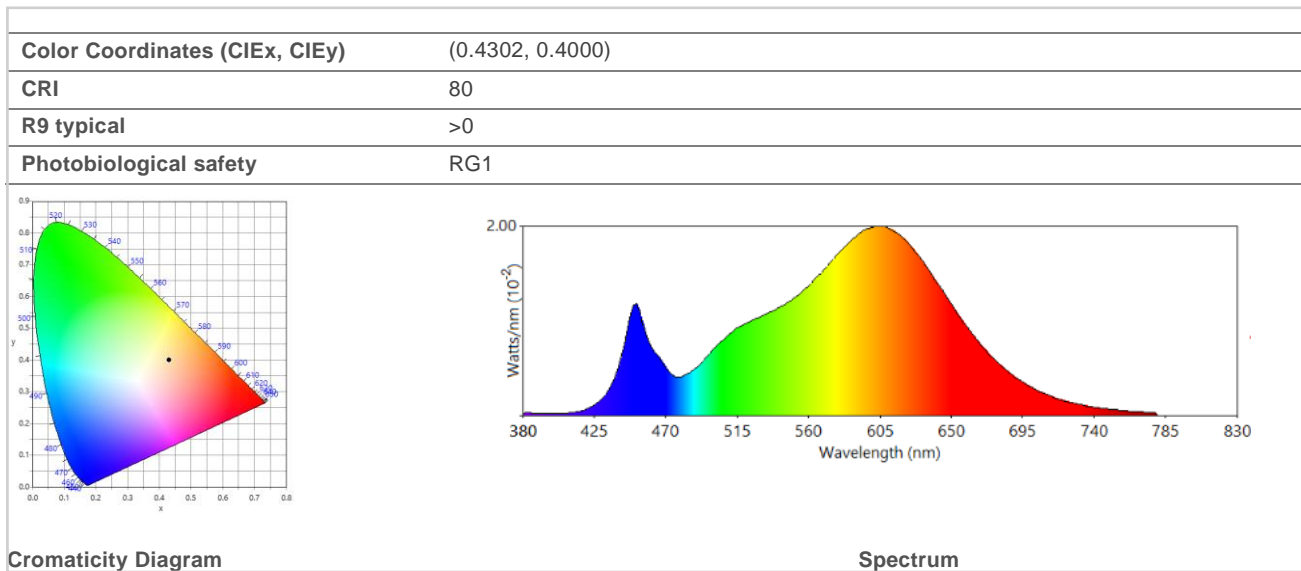
TF Shortpitch		Nominal CCT*	CRI	lm/m	W/m	Luminous Efficacy lm/W	LEDs/m	Performance Temp. Tp °C	Length m
TF600S-G1-827	●	2700 K	>80	620	5.5	113	140	35	5
TF600S-G1-830	●	3000 K	>80	660	5.5	120	140	35	5
TF600S-G1-840	○	4000 K	>80	670	5.5	122	140	35	5
TF600S-G1-850	●	5000 K	>80	690	5.5	125	140	35	5
TF600S-G1-865	●	6500 K	>80	680	5.5	124	140	35	5
TF1000S-G1-827	●	2700 K	>80	1070	9	119	140	40	5
TF1000S-G1-830	●	3000 K	>80	1130	9	126	140	40	5
TF1000S-G1-840	○	4000 K	>80	1140	9	127	140	40	5
TF1000S-G1-850	●	5000 K	>80	1170	9	130	140	40	5
TF1000S-G1-865	●	6500 K	>80	1150	9	128	140	40	5
TF1500S-G1-827	●	2700 K	>80	1560	13.2	118	140	45	5
TF1500S-G1-830	●	3000 K	>80	1660	13.2	126	140	45	5
TF1500S-G1-840	○	4000 K	>80	1670	13.2	127	140	45	5
TF1500S-G1-850	●	5000 K	>80	1730	13.2	131	140	45	5
TF1500S-G1-865	●	6500 K	>80	1700	13.2	129	140	45	5
TF2000S-G1-827	●	2700 K	>80	1820	15.5	117	140	50	5
TF2000S-G1-830	●	3000 K	>80	1940	15.5	125	140	50	5
TF2000S-G1-840	○	4000 K	>80	1950	15.5	126	140	50	5
TF2000S-G1-850	●	5000 K	>80	2010	15.5	130	140	50	5
TF2000S-G1-865	●	6500 K	>80	2000	15.5	129	140	50	5

Photometric Characteristics

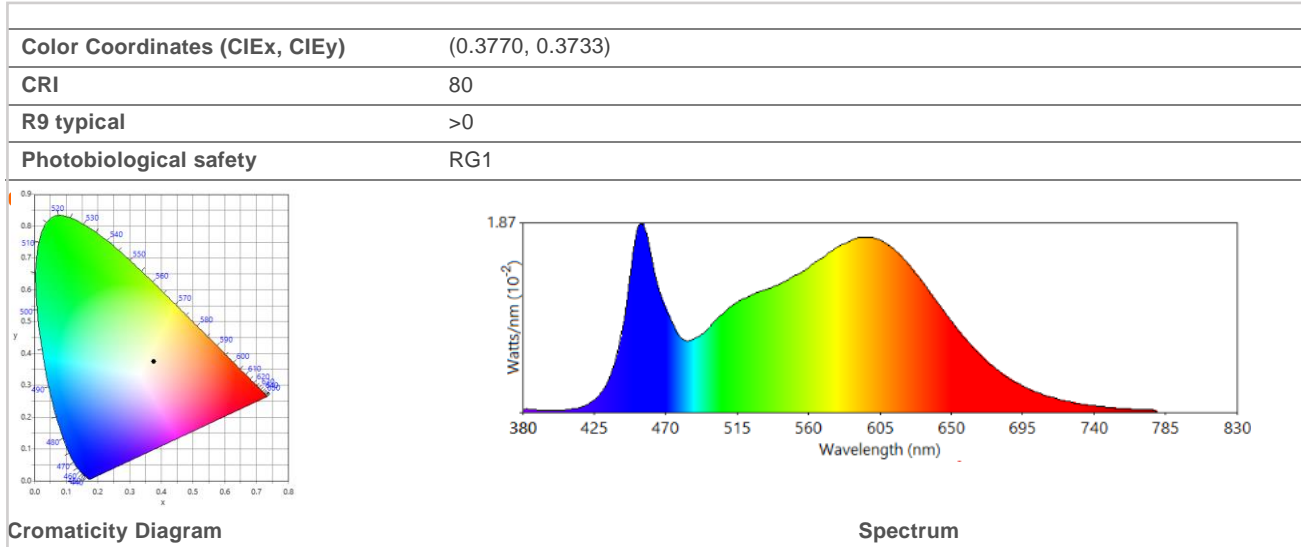
TFx00S-G1-827



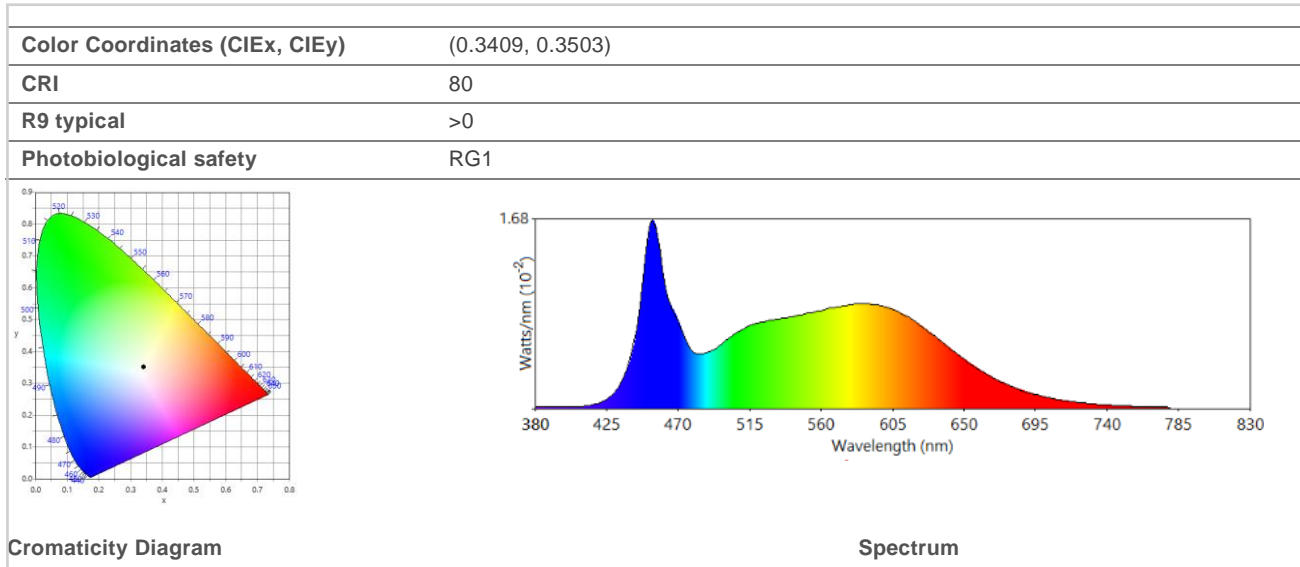
TFx00S-G1-830



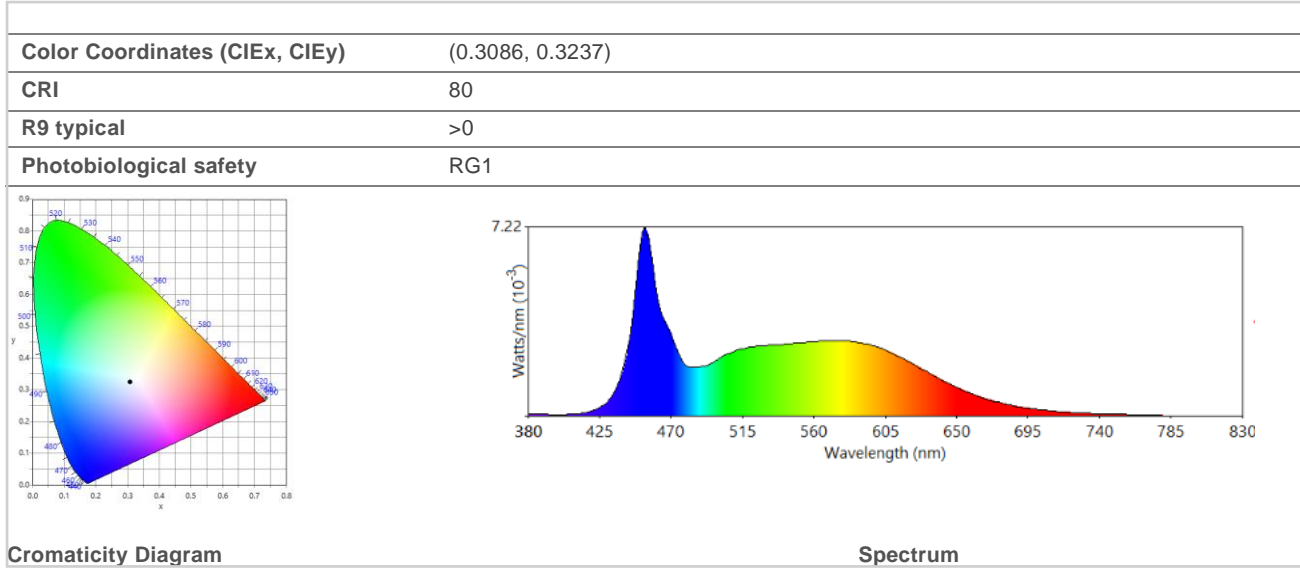
TFx00S-G1-840



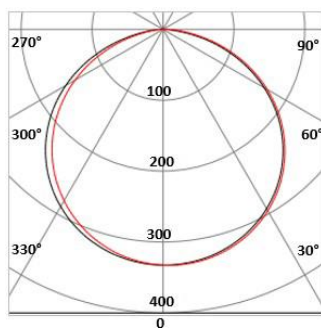
TFx00S-G1-850



TFx00S-G1-865

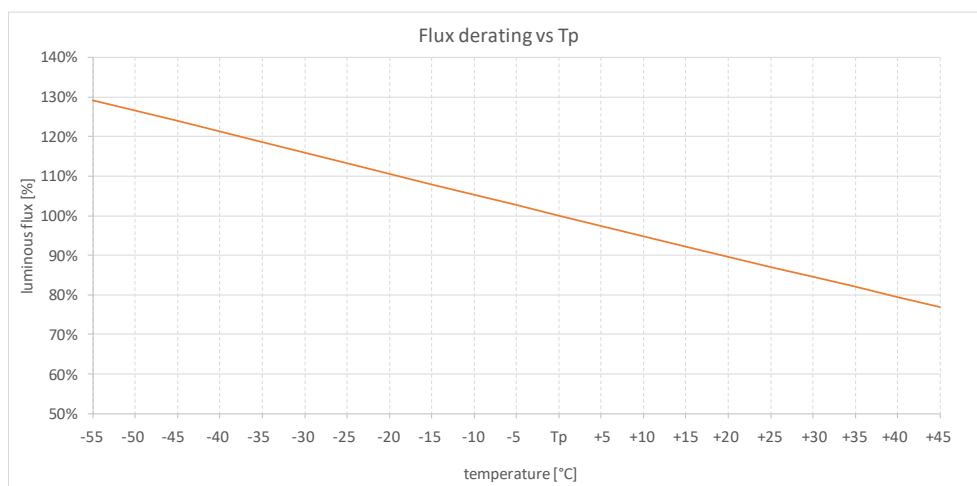


Light Distribution



C0-C180 —
C90-C270 —

Luminous Flux vs Tp temperature



Note: Light flux varies with the temperature measured @Tc point; nominal values is given @Tc = Tp. Flux increases when Tc decreases.

Lumen maintenance for TEC Flex Shortpitch

Supply Voltage	Tp Temperature	L80B10	L80B50	L70B10	L70B50
24V	45°C	>50.000	>50.000	>50.000	>50.000
24V	55°C	>50.000	>50.000	>50.000	>50.000
24V	65°C	>50.000	>50.000	>50.000	>50.000
24V	70°C	>50.000	>50.000	>50.000	>50.000



Intelligent LED Solutions, Unit 2, Berkshire Business Centre, Berkshire Drive, Thatcham, Berkshire, RG19 4EW
 Telephone: +44 (0)1635 294606 Email: info@i-led.co.uk Web: www.i-led.co.uk
 A division of Intelligent Group Solutions Ltd

Ordering Data

Product description	Product code (EAN10)	Dimensions (length x width x height)	Package content (EAN40)
TF600S-G1-827	4062172133821	225X 240X 120mm	10x Led strip
TF600S-G1-830	4062172133883	225X 240X 120mm	10x Led strip
TF600S-G1-840	4062172133906	225X 240X 120mm	10x Led strip
TF600S-G1-850	4062172133920	225X 240X 120mm	10x Led strip
TF600S-G1-865	4062172133944	225X 240X 120mm	10x Led strip
TF1000S-G1-827	4062172133968	225X 240X 120mm	10x Led strip
TF1000S-G1-830	4062172133982	225X 240X 120mm	10x Led strip
TF1000S-G1-840	4062172134002	225X 240X 120mm	10x Led strip
TF1000S-G1-850	4062172134026	225X 240X 120mm	10x Led strip
TF1000S-G1-865	4062172134040	225X 240X 120mm	10x Led strip
TF1500S-G1-827	4062172134064	225X 240X 120mm	10x Led strip
TF1500S-G1-830	4062172134088	225X 240X 120mm	10x Led strip
TF1500S-G1-840	4062172134101	225X 240X 120mm	10x Led strip
TF1500S-G1-850	4062172134125	225X 240X 120mm	10x Led strip
TF1500S-G1-865	4062172134149	225X 240X 120mm	10x Led strip
TF2000S-G1-827	4062172134163	225X 240X 120mm	10x Led strip
TF2000S-G1-830	4062172134187	225X 240X 120mm	10x Led strip
TF2000S-G1-840	4062172134200	225X 240X 120mm	10x Led strip
TF2000S-G1-850	4062172134224	225X 240X 120mm	10x Led strip
TF2000S-G1-865	4062172134248	225X 240X 120mm	10x Led strip















Optional Accessories

Product Type	Product description	Product code	Package content
 Connector	FX-SC08-G2-CT2PF-0500	4052899464735	20x Connector (500mm wire)
 Connector	FX-SC08-G2-CT2PF-1000	4052899464766	20x Connector (1000mm wire)
 Jumper	FX-SC08-G2-CT4PJ	4052899464858	25x Jumper
 Extension wire 30 mm	FX-SC08-G1-FW4P-LIN-0030	4008321875587	100x Extension wire 30 mm
 Extension wire 150 mm	FX-SC08-G1-FW4P-LIN-0150	4008321875563	50x Extension wire 150 mm
 Extension wire 300 mm	FX-SC08-G1-FW4P-LIN-0300	4052899469259	50x Extension wire 300 mm















Note: All TEC Flex LED strips are fully compatible with OSRAM OT and OTi LED drivers and dimmers.

Profile System Combinations

Maximum recommended ambient temperature in case of surface mounting.

 Surface mounting				TF600S	TF1000S	TF1500S	TF2000S
Type	Product Description	Product code (EAN)	Ambient Temperature °C				
 Slim Track	LF-LTS-2100	4008321978981	50	50	50	50	
 Slim Track	FX-QMS-G1-TU15H6-300	4052899448865	50	50	50	50	
 Slim Track	FX-QMS-G1-TU15H6W3-300	4052899448889	50	50	50	50	
 Slim Track	FX-QMS-G1-TU16H12-300	4052899448964	50	50	50	50	
 Slim Track	FX-QMS-G1-TU16H12W3-300	4052899448988	50	50	50	50	
 Slim Track	FX-QMS-G1-TR19H16-300	4052899449008	50	50	50	50	
 Slim Track	FX-QMS-G1-TU16H12LS-300	4052899449046	50	50	50	50	
 Slim Track	FX-QMS-G1-T45D19H19-300	4052899448667	50	50	50	50	
 Wide Track	FX-QMW-G1-TK30D46H27-300	4052899448827	50	50	50	50	
 Wide Track	FX-QMW-G1-TU26H10-300	4062172114165	50	50	50	50	
 Wide Track	FX-QMW-G1-TU26H25W10-300	4052899448773	50	50	50	50	
 Wide Track	FX-QMW-G1-TU26H25W2-300	4052899448841	50	50	50	50	
 Wide Track	FX-QMW-G1-TU26H25-300	4052899448803	50	50	50	50	

Maximum recommended ambient temperature in case of recessed mounting.

 Recessed mounting				TF600S	TF1000S	TF1500S	TF2000S
Type	Product Description	Product code (EAN)	Ambient Temperature °C				
 Slim Track	LF-LTS-2100	4008321978981	50	50	50	45	
 Slim Track	FX-QMS-G1-TU15H6-300	4052899448865	50	50	50	45	
 Slim Track	FX-QMS-G1-TU15H6W3-300	4052899448889	50	50	50	45	
 Slim Track	FX-QMS-G1-TU16H12-300	4052899448964	50	50	50	48	
 Slim Track	FX-QMS-G1-TU16H12W3-300	4052899448988	50	50	50	48	
 Slim Track	FX-QMS-G1-TR19H16-300	4052899449008	50	50	50	48	
 Slim Track	FX-QMS-G1-TU16H12LS-300	4052899449046	50	50	50	48	
 Slim Track	FX-QMS-G1-T45D19H19-300	4052899448667	50	50	50	50	
 Wide Track	FX-QMW-G1-TK30D46H27-300	4052899448827	50	50	50	50	
 Wide Track	FX-QMW-G1-TU26H10-300	4062172114165	50	50	50	50	
 Wide Track	FX-QMW-G1-TU26H25W10-300	4052899448773	50	50	50	50	
 Wide Track	FX-QMW-G1-TU26H25W2-300	4052899448841	50	50	50	50	
 Wide Track	FX-QMW-G1-TU26H25-300	4052899448803	50	50	50	50	

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

Disclaimer

Subject to change without notice. Errors and omission excepted. Make sure to use the most recent release. All values are average typical and cannot be used as reference for compliance tests. Always refer to the official data on web site: www.osram.com

* LEDs used in OSRAM strips are single BIN 3 SDCM ellipse.

** Always ensure that Tc will not exceed the maximum allowed value (e.g. suggested aluminum bar section: 8x2mm or equivalent).



Intelligent LED Solutions, Unit 2, Berkshire Business Centre, Berkshire Drive, Thatcham, Berkshire, RG19 4EW
Telephone: +44 (0)1635 294606 Email: info@i-led.co.uk Web: www.i-led.co.uk
A division of Intelligent Group Solutions Ltd

OSRAM GmbH

Head Office:

Marcel-Breuer-Strasse 6
80807 Munich, Germany
Phone +49 89 6213-0
Fax +49 89 6213-2020
www.osram.com

The OSRAM logo, consisting of the word 'OSRAM' in a bold, orange, sans-serif font.