

ICUTRONICS FIT CS Track

Constant Current Compact – Non dimmable



Product family features

- AC Supply Voltage 220-240 Vac
- Line frequency: 50 Hz | 60 Hz
- Line voltage: 198...264 V
- SELV LED driver in track adaptor
- Lifetime 50 000 h at tc max
- Dip-switches for easy output current selection
- Low THD <10% @ full load
- Low LF-ripple < 5%

Product family benefits

- Compact size for miniaturized track light luminaire design
- High light quality due to low ripple current
- Three colors available: White, Grey, Black
- High flexibility due to eight different output currents
- High efficiency (up to 90%)

Areas of application

- Shops
- Retail outlets
- Public buildings
- Suitable for luminaires of protection class II
- Suitable for three circuits system

Product family datasheet

Technical data

Product description	Electrical data					
	Nominal input voltage	Mains frequency	Input voltage AC	Total harmonic distortion	Power factor λ	Efficiency in full-load
IT FIT 30/220...240/700 CS T-B	220...240 V	50/60 Hz	198...264 V	< 10 % ¹⁾	0.96 ²⁾	90 % ³⁾
IT FIT 30/220...240/700 CS T-W	220...240 V	50/60 Hz	198...264 V	< 10 % ¹⁾	0.96 ²⁾	90 % ³⁾
IT FIT 30/220...240/700 CS T-G	220...240 V	50/60 Hz	198...264 V	< 10 % ¹⁾	0.96 ²⁾	90 % ³⁾
IT FIT 40/220...240/1A0 CS T-B	220...240 V	50/60 Hz	198...264 V	< 10 % ¹⁾	0.96 ²⁾	90 % ³⁾
IT FIT 40/220...240/1A0 CS T-W	220...240 V	50/60 Hz	198...264 V	< 10 % ¹⁾	0.96 ²⁾	90 % ³⁾
IT FIT 40/220...240/1A0 CS T-G	220...240 V	50/60 Hz	198...264 V	< 10 % ¹⁾	0.96 ²⁾	90 % ³⁾

Product description	Device power loss	Protective conductor current	Inrush current	Max. ECG no. on circuit breaker 10 A (B)	Max. ECG no. on circuit breaker 10 A (C)	Max. ECG no. on circuit breaker 16 A (B)
IT FIT 30/220...240/700 CS T-B	3.3 W ⁴⁾	<0.7 mA	24.8 A ⁵⁾	22	37	36
IT FIT 30/220...240/700 CS T-W	3.3 W ⁴⁾	<0.7 mA	24.8 A ⁵⁾	22	37	36
IT FIT 30/220...240/700 CS T-G	3.3 W ⁴⁾	<0.7 mA	24.8 A ⁵⁾	22	37	36
IT FIT 40/220...240/1A0 CS T-B	4.9 W ¹³⁾	<0.7 mA	24.8 A ¹⁴⁾	23	34	37
IT FIT 40/220...240/1A0 CS T-W	4.9 W ¹³⁾	<0.7 mA	24.8 A ¹⁴⁾	23	34	37
IT FIT 40/220...240/1A0 CS T-G	4.9 W ¹³⁾	<0.7 mA	24.8 A ¹⁴⁾	23	34	37

Product description	Max. ECG no. on circuit breaker 16 A (C)	Surge capability (L/N-Ground)	Surge capability (L-N)	Nominal output voltage	U-OUT (working voltage)
IT FIT 30/220...240/700 CS T-B	60	2 kV ⁶⁾	1 kV ⁷⁾	27...42 V	60 V
IT FIT 30/220...240/700 CS T-W	60	2 kV ⁶⁾	1 kV ⁷⁾	27...42 V	60 V
IT FIT 30/220...240/700 CS T-G	60	2 kV ⁶⁾	1 kV ⁷⁾	27...42 V	60 V
IT FIT 40/220...240/1A0 CS T-B	54	2 kV ⁶⁾	1 kV ⁷⁾	27...42 V	60 V
IT FIT 40/220...240/1A0 CS T-W	54	2 kV ⁶⁾	1 kV ⁷⁾	27...42 V	60 V
IT FIT 40/220...240/1A0 CS T-G	54	2 kV ⁶⁾	1 kV ⁷⁾	27...42 V	60 V

Product description	Nominal output current	Output current tolerance	Output ripple current (100 Hz)	Output PSTLM	Output SVM
IT FIT 30/220...240/700 CS T-B	250 / 350 / 400 / 450 / 500 / 550 / 600 / 700 mA	±5 %	3 %	≤1	≤0.4
IT FIT 30/220...240/700 CS T-W	250 / 350 / 400 / 450 / 500 / 550 / 600 / 700 mA	±5 %	3 %	≤1	≤0.4

Product family datasheet

Product description	Nominal output current	Output current tolerance	Output ripple current (100 Hz)	Output PSTLM	Output SVM
IT FIT 30/220...240/700 CS T-G	250 / 350 / 400 / 450 / 500 / 550 / 600 / 700 mA	±5 %	3 %	≤1	≤0.4
IT FIT 40/220...240/1A0 CS T-B	700 / 750 / 800 / 850 / 900 / 950 / 1000 / 1050 mA	±5 %	3 %	≤1	≤0.4
IT FIT 40/220...240/1A0 CS T-W	700 / 750 / 800 / 850 / 900 / 950 / 1000 / 1050 mA	±5 %	3 %	≤1	≤0.4
IT FIT 40/220...240/1A0 CS T-G	700 / 750 / 800 / 850 / 900 / 950 / 1000 / 1050 mA	±5 %	3 %	≤1	≤0.4

Product description	Nominal output power	Maximum output power	Galvanic isolation primary/secondary	Default output current
IT FIT 30/220...240/700 CS T-B	6.75...29.4 W	29.4 W	SELV	700 mA
IT FIT 30/220...240/700 CS T-W	6.75...29.4 W	29.4 W	SELV	700 mA
IT FIT 30/220...240/700 CS T-G	6.75...29.4 W	29.4 W	SELV	700 mA
IT FIT 40/220...240/1A0 CS T-B	18.9...44.1 W	44.1 W	SELV	1050 mA
IT FIT 40/220...240/1A0 CS T-W	18.9...44.1 W	44.1 W	SELV	1050 mA
IT FIT 40/220...240/1A0 CS T-G	18.9...44.1 W	44.1 W	SELV	1050 mA

Product description	Dimensions & weight					
	Mounting hole spacing, length	Mounting hole spacing, width	Product weight	Cable cross-section, input side	Cable cross-section, output side	Wire preparation length, input side
IT FIT 30/220...240/700 CS T-B	-	-	108.00 g	-	0.5...1.5 mm ²	-
IT FIT 30/220...240/700 CS T-W	-	-	108.00 g	-	0.5...1.5 mm ²	-
IT FIT 30/220...240/700 CS T-G	-	-	108.00 g	-	0.5...1.5 mm ²	-
IT FIT 40/220...240/1A0 CS T-B	-	-	110.00 g	-	0.5...1.5 mm ²	-
IT FIT 40/220...240/1A0 CS T-W	-	-	110.00 g	-	0.5...1.5 mm ²	-
IT FIT 40/220...240/1A0 CS T-G	-	-	110.00 g	-	0.5...1.5 mm ²	-

Product description	Wire preparation length, output side	Length	Width	Height	Colors & materials
					Casing material
IT FIT 30/220...240/700 CS T-B	7...8 mm	167.0 mm	33.0 mm	46.0 mm	Plastic
IT FIT 30/220...240/700 CS T-W	7...8 mm	167.0 mm	33.0 mm	46.0 mm	Plastic

Product family datasheet

Product description	Wire preparation length, output side	Length	Width	Height	Colors & materials
					Casing material
IT FIT 30/220...240/700 CS T-G	7...8 mm	167.0 mm	33.0 mm	46.0 mm	Plastic
IT FIT 40/220...240/1A0 CS T-B	7...8 mm	167.0 mm	33.0 mm	46.0 mm	Plastic
IT FIT 40/220...240/1A0 CS T-W	7...8 mm	167.0 mm	33.0 mm	46.0 mm	Plastic
IT FIT 40/220...240/1A0 CS T-G	7...8 mm	167.0 mm	33.0 mm	46.0 mm	Plastic

Product description	Product color	Temperatures & operating conditions			
		Ambient temperature range	Max.housing temperature in case of fault	Temperature range at storage	Permitted rel. humidity during operation
IT FIT 30/220...240/700 CS T-B	BLACK RAL 9011	-20...+35 °C	110 °C	-20...80 °C ⁸⁾	5...85 % ⁹⁾
IT FIT 30/220...240/700 CS T-W	WHITE RAL 9010	-20...+35 °C	110 °C	-20...80 °C ⁸⁾	5...85 % ⁹⁾
IT FIT 30/220...240/700 CS T-G	GREY RAL 7040	-20...+35 °C	110 °C	-20...80 °C ⁸⁾	5...85 % ⁹⁾
IT FIT 40/220...240/1A0 CS T-B	BLACK RAL 9011	-20...+35 °C	110 °C	-20...80 °C ⁸⁾	5...85 % ⁹⁾
IT FIT 40/220...240/1A0 CS T-W	WHITE RAL 9010	-20...+35 °C	110 °C	-20...80 °C ⁸⁾	5...85 % ⁹⁾
IT FIT 40/220...240/1A0 CS T-G	GREY RAL 7040	-20...+35 °C	110 °C	-20...80 °C ⁸⁾	5...85 % ⁹⁾

Product description	Lifespan	Additional product data			Capabilities
	ECG lifetime	Encapsulated	Compatible track systems	Predecessor EAN	Dimmable
IT FIT 30/220...240/700 CS T-B	50000 h ¹⁰⁾	No	Nuco / Ivela / EUTRAC / GLOBAL / STAFF / NORLUX / Unipro / Powergear / ERCO ¹¹⁾	4052899617247	No
IT FIT 30/220...240/700 CS T-W	50000 h ¹⁰⁾	No	Nuco / Ivela / EUTRAC / GLOBAL / STAFF / NORLUX / Unipro / Powergear / ERCO ¹¹⁾	4062172131797	No
IT FIT 30/220...240/700 CS T-G	50000 h ¹⁰⁾	No	Nuco / Ivela / EUTRAC / GLOBAL / STAFF / NORLUX / Unipro / Powergear / ERCO ¹¹⁾	4062172131810	No
IT FIT 40/220...240/1A0 CS T-B	50000 h ¹⁵⁾	No	Nuco / Ivela / EUTRAC / GLOBAL / STAFF / NORLUX / Unipro / Powergear / ERCO ¹¹⁾	4052899617254	No

Product family datasheet

Product description	Lifespan	Additional product data			Capabili- ties
	ECG lifetime	Encapsulated	Compatible track systems	Predecessor EAN	Dimmable
IT FIT 40/220...240/1A0 CS T-W	50000 h ¹⁵⁾	No	Nuco / Ivela / EUTRAC / GLOBAL / STAFF / NORLUX / Unipro / Powergear / ERCO ¹¹⁾	4062172131834	No
IT FIT 40/220...240/1A0 CS T-G	50000 h ¹⁵⁾	No	Nuco / Ivela / EUTRAC / GLOBAL / STAFF / NORLUX / Unipro / Powergear / ERCO ¹¹⁾	4062172131858	No

Product description	Overheating protection	Overload protection	Short-circuit protection	No-load proof
IT FIT 30/220...240/700 CS T-B	Automatic reversible	Automatic reversible	Automatic reversible	Yes
IT FIT 30/220...240/700 CS T-W	Automatic reversible	Automatic reversible	Automatic reversible	Yes
IT FIT 30/220...240/700 CS T-G	Automatic reversible	Automatic reversible	Automatic reversible	Yes
IT FIT 40/220...240/1A0 CS T-B	Automatic reversible	Automatic reversible	Automatic reversible	Yes
IT FIT 40/220...240/1A0 CS T-W	Automatic reversible	Automatic reversible	Automatic reversible	Yes
IT FIT 40/220...240/1A0 CS T-G	Automatic reversible	Automatic reversible	Automatic reversible	Yes

Product description	Intended for no-load operation	Max. cable length to lamp/LED module	Suitable for fixtures with prot. class	Type of connection, output side
IT FIT 30/220...240/700 CS T-B	No	2.0 m ¹²⁾	II	Push terminal
IT FIT 30/220...240/700 CS T-W	No	2.0 m ¹²⁾	II	Push terminal
IT FIT 30/220...240/700 CS T-G	No	2.0 m ¹²⁾	II	Push terminal
IT FIT 40/220...240/1A0 CS T-B	No	2.0 m ¹²⁾	II	Push terminal
IT FIT 40/220...240/1A0 CS T-W	No	2.0 m ¹²⁾	II	Push terminal
IT FIT 40/220...240/1A0 CS T-G	No	2.0 m ¹²⁾	II	Push terminal

Product description	Number of channels	Programming	Certificates & standards	
		Programming device	Approval marks – approval	Standards
IT FIT 30/220...240/700 CS T-B	1	DIPswitch	CE / ENEC / RCM / CQC / UKCA	Acc. to IEC 61347-1/Acc. to IEC 61347-2-13/Acc. to IEC 62384/Acc. to CISPR 15/Acc. to IEC 61000-3-2/Acc. to IEC 61547

Product family datasheet

Product description	Number of channels	Programming	Certificates & standards	
		Programming device	Approval marks – approval	Standards
IT FIT 30/220...240/700 CS T-W	1	DIPswitch	CE / ENEC / RCM / CQC / UKCA	Acc. to IEC 61347-1/Acc. to IEC 61347-2-13/Acc. to IEC 62384/Acc. to CISPR 15/Acc. to IEC 61000-3-2/Acc. to IEC 61547
IT FIT 30/220...240/700 CS T-G	1	DIPswitch	CE / ENEC / RCM / CQC / UKCA	Acc. to IEC 61347-1/Acc. to IEC 61347-2-13/Acc. to IEC 62384/Acc. to CISPR 15/Acc. to IEC 61000-3-2/Acc. to IEC 61547
IT FIT 40/220...240/1A0 CS T-B	1	DIPswitch	CE / ENEC / RCM / CQC / UKCA	Acc. to IEC 61347-1/Acc. to IEC 61347-2-13/Acc. to IEC 62384/Acc. to CISPR 15/Acc. to IEC 61000-3-2/Acc. to IEC 61547
IT FIT 40/220...240/1A0 CS T-W	1	DIPswitch	CE / ENEC / RCM / CQC / UKCA	Acc. to IEC 61347-1/Acc. to IEC 61347-2-13/Acc. to IEC 62384/Acc. to CISPR 15/Acc. to IEC 61000-3-2/Acc. to IEC 61547
IT FIT 40/220...240/1A0 CS T-G	1	DIPswitch	CE / ENEC / RCM / CQC / UKCA	Acc. to IEC 61347-1/Acc. to IEC 61347-2-13/Acc. to IEC 62384/Acc. to CISPR 15/Acc. to IEC 61000-3-2/Acc. to IEC 61547

Product description	Type of protection	Protection class	Logistical data	Environmental information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)
			Commodity code	Date of Declaration
IT FIT 30/220...240/700 CS T-B	IP20	II	85044083900	01-12-2023
IT FIT 30/220...240/700 CS T-W	IP20	II	85044083900	01-12-2023
IT FIT 30/220...240/700 CS T-G	IP20	II	85044083900	01-12-2023
IT FIT 40/220...240/1A0 CS T-B	IP20	II	85044083900	01-12-2023
IT FIT 40/220...240/1A0 CS T-W	IP20	II	85044083900	01-12-2023
IT FIT 40/220...240/1A0 CS T-G	IP20	II	85044083900	01-12-2023

Product description	Primary Article Identifier	Candidate List Substance 1	CAS No. of substance 1	Safe Use Instruction
IT FIT 30/220...240/700 CS T-B	4062172379847	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.

Product family datasheet

Product description	Primary Article Identifier	Candidate List Substance 1	CAS No. of substance 1	Safe Use Instruction
IT FIT 30/220...240/700 CS T-W	4062172379885	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.
IT FIT 30/220...240/700 CS T-G	4062172379861	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.
IT FIT 40/220...240/1A0 CS T-B	4062172379908	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.
IT FIT 40/220...240/1A0 CS T-W	4062172379946	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.
IT FIT 40/220...240/1A0 CS T-G	4062172379922	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.

Product description	Declaration No. in SCIP database
IT FIT 30/220...240/700 CS T-B	dfd12057-00f6-4c15-be48-969fb49a9a27
IT FIT 30/220...240/700 CS T-W	483af5d8-355c-409d-b5ae-7d969a2485db
IT FIT 30/220...240/700 CS T-G	d6deedfa-c08a-45f0-b492-3962893ebb66
IT FIT 40/220...240/1A0 CS T-B	dacfaa5a-616a-49ee-acfb-a3136fc26313
IT FIT 40/220...240/1A0 CS T-W	e89eee88-0c32-4732-a5b5-2797f4fe4b53
IT FIT 40/220...240/1A0 CS T-G	b7ce9d24-4c4c-4eba-9cd2-0c0b2203c758

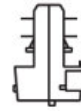
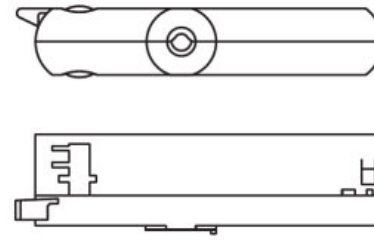
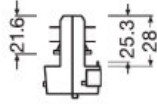
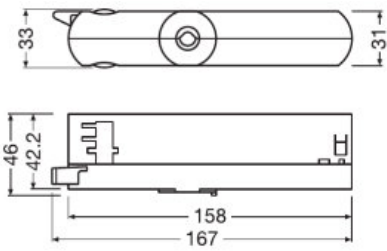
1) Full load, 230V, 50 Hz

2) Full load at 230 V/50 Hz

Product family datasheet

- 3) at 230 V, 50 Hz
- 4) At 230 V, Input power 32.7 W max.
- 5) $t_{\text{width}} = 116 \mu\text{s}$ typical (measured at 50 % I_{peak})
- 6) L/N – PE acc to EN 61547 (>15 pulses)
- 7) L/N
- 8) Cool down before operating
- 9) Maximum 56 days/year at 85 %
- 10) At maximum $T_c = 70^\circ\text{C}$ / 10% failure rate
- 11) The compatibility may become invalid when the critical track dimension is modified by the brand owner in case of engineering change or optimization in the future
- 12) Output wires must be routed as close as possible to each other
- 13) At 230 V, Input power 49 W max.
- 14) $t_{\text{width}} = 104 \mu\text{s}$ typical (measured at 50 % I_{peak})
- 15) At maximum $T_c = 80^\circ\text{C}$ / 10% failure rate

Product family datasheet



Line drawing of ICUTRONIC FIT TRACK CS

Line drawing of ICUTRONIC FIT TRACK CS

Application advice

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





Additional product information

- Hot plug-in or secondary switching of LEDs is not permitted and may cause a very high current to the LEDs.
- Indication that the lamp control gear relies upon the luminaire enclosure for protection against accidental contact with live parts.
- The max. mechanical loading F_{max} for the track driver mounted on the ceiling is 50N, which should be intended as the whole system inclusive of the weight of luminaires and accessories.
- The max. mechanical loading F_{max} for the track driver mounted on the wall is 25N, which should be intended as the whole system inclusive of the weight of luminaires and accessories.

Sales and Technical Support

Sales and Technical Support www.osram.com

Download Data

File	
	User instruction IT FIT CS Track CB User Instructions
	Certificates IT FIT CS Track ENEC 35 130506
	Certificates IT FIT CS Track CB NL 90989 4905933 50
	CAD data 3-dim CAD of IT FIT CS T

Product family datasheet

Ecodesign regulation information:

Intended for use with LED modules.

The forward voltage of the LED light source shall be within the defined operating window of the control gear in all operating conditions including dimming if applicable.

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
4062172379847	IT FIT 30/220...240/700 CS T-B	Shipping carton box 20	378 mm x 187 mm x 118 mm	8.34 dm ³	2459.00 g
4062172379885	IT FIT 30/220...240/700 CS T-W	Shipping carton box 20	378 mm x 187 mm x 118 mm	8.34 dm ³	2459.00 g
4062172379861	IT FIT 30/220...240/700 CS T-G	Shipping carton box 20	378 mm x 187 mm x 118 mm	8.34 dm ³	2459.00 g
4062172379908	IT FIT 40/220...240/1A0 CS T-B	Shipping carton box 20	378 mm x 187 mm x 118 mm	8.34 dm ³	2499.00 g
4062172379946	IT FIT 40/220...240/1A0 CS T-W	Shipping carton box 20	378 mm x 187 mm x 118 mm	8.34 dm ³	2499.00 g
4062172379922	IT FIT 40/220...240/1A0 CS T-G	Shipping carton box 20	378 mm x 187 mm x 118 mm	8.34 dm ³	2499.00 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.

Disclaimer

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