

## ICUTRONIC DIM (non-isolated) Sensor KIT

Linear / Area Constant Current – Dimmable



### Areas of application

- Linear and area lighting
- Industrial, retail and parking garage lighting

### Product family benefits

- KIT including driver, HF Sensor and cabling
- Non isolated system for energy saving applications
- High quality light with very low ripple
- Very high efficiency
- Enable slim fixture design with flat 21 mm height metal housing
- Long lasting and high reliability

### Product family features

- Flexible with 1 driver offers 4 output currents
- Low THD <10% @ full load
- Input voltage: 220 – 240 VAC
- Ambient temp range  $t_a$ : -25 to +50 °C
- Low LF-ripple < 5%
- 5 years guarantee\*
- Non-isolated drivers
- HF LI Sensor (Light- and motion detection via radar)
- StepDIM function for different light levels
- Different operating modes for daylight- or motion-dependent switching selectable
- Motion detection range adjustable
- Detection height up to 6 meter

# Product family datasheet

## Technical data

### Electrical data

Product description	Nominal input voltage	Mains frequency	Input voltage AC	Current set	Total harmonic distortion
IT DIM 40/HF LS/PD KIT	220...240 V	50/60 Hz	198...264 V	DipSwitch	< 10 %
IT DIM 60/HF LS/PD KIT	220...240 V	50/60 Hz	198...264 V	DipSwitch	< 10 %
IT DIM 75/HF LS/PD KIT	220...240 V	50/60 Hz	198...264 V	DipSwitch	< 10 %

Product description	Power factor $\lambda$	Efficiency in full-load	Device power loss	Inrush current	Max. ECG no. on circuit breaker 10 A (B)
IT DIM 40/HF LS/PD KIT	0.98	86.5 %	4.0 W	9.4 A	26
IT DIM 60/HF LS/PD KIT	0.98	92 %	6.0 W	28.8 A	14
IT DIM 75/HF LS/PD KIT	0.98	93 %	7.0 W	28.8 A	14

Product description	Max. ECG no. on circuit breaker 16 A (B)	Surge capability (L/N-Ground)	Surge capability (L-N)	Nominal output voltage	U-OUT (working voltage)
IT DIM 40/HF LS/PD KIT	42	2 kV	1 kV	40...120 V	< 250 V
IT DIM 60/HF LS/PD KIT	23	2 kV	1 kV	90...175 V	< 250 V
IT DIM 75/HF LS/PD KIT	23	2 kV	1 kV	90...216 V	< 250 V

Product description	Nominal output current	Default output current	Output current tolerance	Output ripple current (100 Hz)
IT DIM 40/HF LS/PD KIT	200 / 250 / 300 / 350 mA	200 mA	$\pm 7.5$ %	< 5 %
IT DIM 60/HF LS/PD KIT	200 / 250 / 300 / 350 mA	200 mA	$\pm 7.5$ %	< 5 %
IT DIM 75/HF LS/PD KIT	350 / 450 / 500 / 550 mA	350 mA	$\pm 7.5$ %	< 5 %

Product description	Output PSTLM	Output SVM	Nominal output power	Maximum output power
IT DIM 40/HF LS/PD KIT	<1	<0.4	8...42 W	42 W
IT DIM 60/HF LS/PD KIT	<1	<0.4	18...61.3 W	61.3 W
IT DIM 75/HF LS/PD KIT	<1	<0.4	31.5...75.6 W	75.6 W

Product description	Galvanic isolation	Galvanic isolation primary/secondary
IT DIM 40/HF LS/PD KIT	Non isolated	-
IT DIM 60/HF LS/PD KIT	Non isolated	-
IT DIM 75/HF LS/PD KIT	Non isolated	-

## Product family datasheet

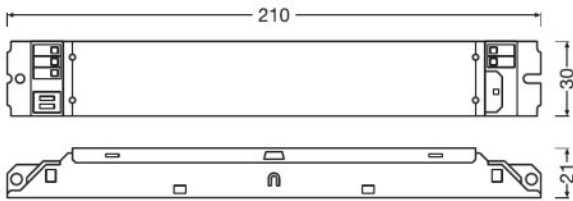
### Dimensions & weight

Product description	Product weight	Cable cross-section, input side	Cable cross-section, output side	Wire preparation length, input side	Wire preparation length, output side
IT DIM 40/HF LS/PD KIT	128.00 g	0.5...1.5 mm <sup>2</sup>	0.5...1.5 mm <sup>2</sup>	8.0...9.0 mm	8.0...9.0 mm
IT DIM 60/HF LS/PD KIT	168.00 g	0.5...1.5 mm <sup>2</sup>	0.5...1.5 mm <sup>2</sup>	8.0...9.0 mm	8.0...9.0 mm
IT DIM 75/HF LS/PD KIT	172.00 g	0.5...1.5 mm <sup>2</sup>	0.5...1.5 mm <sup>2</sup>	8.0...9.0 mm	8.0...9.0 mm

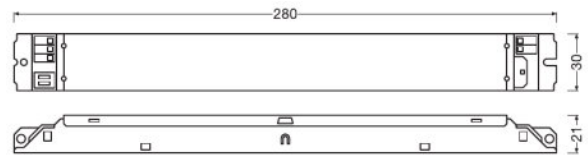
  

Product description	Width	Height	Length
IT DIM 40/HF LS/PD KIT	30.0 mm	21.0 mm	210 mm
IT DIM 60/HF LS/PD KIT	30.0 mm	21.0 mm	280.0 mm
IT DIM 75/HF LS/PD KIT	30.0 mm	21.0 mm	280.0 mm

### Product line drawing

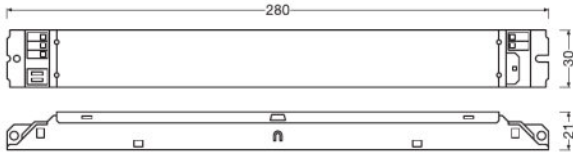


IT DIM 40/HF LS/PD KIT



IT DIM 60/HF LS/PD KIT

## Product family datasheet



IT DIM 75/HF LS/PD KIT

### Colors & materials

Product description	Casing material
IT DIM 40/HF LS/PD KIT	Metal
IT DIM 60/HF LS/PD KIT	Metal
IT DIM 75/HF LS/PD KIT	Metal

### Temperatures & operating conditions

Product description	Ambient temperature range	Maximum temperature at tc test point	Max.housing temperature in case of fault	Temperature range at storage
IT DIM 40/HF LS/PD KIT	-25...+50 °C	80 °C	110 °C	-40...+85 °C
IT DIM 60/HF LS/PD KIT	-25...+50 °C	80 °C	110 °C	-40...+85 °C
IT DIM 75/HF LS/PD KIT	-25...+50 °C	80 °C	110 °C	-40...+85 °C

Product description	Permitted rel. humidity during operation
IT DIM 40/HF LS/PD KIT	5...85 % <sup>1)</sup>
IT DIM 60/HF LS/PD KIT	5...85 % <sup>1)</sup>
IT DIM 75/HF LS/PD KIT	5...85 % <sup>1)</sup>

<sup>1)</sup> Maximum 56 days/year at 85 %

## Product family datasheet

### Lifespan

Product description	ECG lifetime
IT DIM 40/HF LS/PD KIT	100000 h
IT DIM 60/HF LS/PD KIT	100000 h
IT DIM 75/HF LS/PD KIT	100000 h

### Additional product data

Product description	Encapsulated
IT DIM 40/HF LS/PD KIT	No
IT DIM 60/HF LS/PD KIT	No
IT DIM 75/HF LS/PD KIT	No

### Capabilities

Product description	Programming interface	Dimmable	Dimming interface	Dimming range
IT DIM 40/HF LS/PD KIT	-	Yes	proprietary	10...100 %
IT DIM 60/HF LS/PD KIT	-	Yes	proprietary	10...100 %
IT DIM 75/HF LS/PD KIT	-	Yes	proprietary	10...100 %

Product description	Dimming method	Overheating protection	Overload protection
IT DIM 40/HF LS/PD KIT	Step Dim	Automatic reversible	Automatic reversible
IT DIM 60/HF LS/PD KIT	Step Dim	Automatic reversible	Automatic reversible
IT DIM 75/HF LS/PD KIT	Step Dim	Automatic reversible	Automatic reversible

Product description	Short-circuit protection	No-load proof	Intended for no-load operation	Max. cable length to lamp/LED module
IT DIM 40/HF LS/PD KIT	Automatic reversible	Yes	No	2.0 m <sup>1)</sup>
IT DIM 60/HF LS/PD KIT	Automatic reversible	Yes	No	2.0 m <sup>1)</sup>
IT DIM 75/HF LS/PD KIT	Automatic reversible	Yes	No	2.0 m <sup>1)</sup>

Product description	Suitable for fixtures with prot. class	Suitable for emergency lighting	Type of connection, input side	Type of connection, output side
IT DIM 40/HF LS/PD KIT	I	No	Push terminal	Push terminal
IT DIM 60/HF LS/PD KIT	I	No	Push terminal	Push terminal
IT DIM 75/HF LS/PD KIT	I	No	Push terminal	Push terminal

Product description	DALI-2 Energy Data	DALI-2 Diagnostic Data	Number of channels
IT DIM 40/HF LS/PD KIT	-	-	1
IT DIM 60/HF LS/PD KIT	-	-	1
IT DIM 75/HF LS/PD KIT	-	-	1

<sup>1)</sup> Output wires must be routed as close as possible to each other

## Product family datasheet

### Programming

Product description	Box programming
IT DIM 40/HF LS/PD KIT	No
IT DIM 60/HF LS/PD KIT	No
IT DIM 75/HF LS/PD KIT	No

### Programmable features

Product description	DALI-2 Luminaire Data
IT DIM 40/HF LS/PD KIT	-
IT DIM 60/HF LS/PD KIT	-
IT DIM 75/HF LS/PD KIT	-

### Certificates & standards

Product description	Approval marks – approval	Standards
IT DIM 40/HF LS/PD KIT	BIS / CCC / CE / RCM / ENEC	Acc. to IEC 61347-1/Acc. to IEC 61347-2-13/Acc. to IEC 62384/Acc. to IEC 61000-3-2/Acc. to IEC 61000-3-3/Acc. to IEC 61547
IT DIM 60/HF LS/PD KIT	BIS / CCC / CE / RCM / ENEC	Acc. to IEC 61347-1/Acc. to IEC 61347-2-13/Acc. to IEC 62384/Acc. to IEC 61000-3-2/Acc. to IEC 61000-3-3/Acc. to IEC 61547
IT DIM 75/HF LS/PD KIT	BIS / CCC / CE / RCM / ENEC	Acc. to IEC 61347-1/Acc. to IEC 61347-2-13/Acc. to IEC 62384/Acc. to IEC 61000-3-2/Acc. to IEC 61000-3-3/Acc. to IEC 61547

### Logistical data

Product description	Commodity code
IT DIM 40/HF LS/PD KIT	85044083900
IT DIM 60/HF LS/PD KIT	85044083900
IT DIM 75/HF LS/PD KIT	85044083900

## Product family datasheet

### Environmental information Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)

Product description	Date of Declaration	Primary Article Identifier	Candidate List Substance 1
IT DIM 40/HF LS/PD KIT	05-12-2023	4062172360265	Lead
IT DIM 60/HF LS/PD KIT	29-11-2023	4062172360289	Lead
IT DIM 75/HF LS/PD KIT	05-12-2023	4062172360302	Lead

Product description	CAS No. of substance 1	Safe Use Instruction	Declaration No. in SCIP database
IT DIM 40/HF LS/PD KIT	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.	bc32720f-c65f-461c-b38b-35e2ed417dbc
IT DIM 60/HF LS/PD KIT	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.	d17134eb-9577-4f2f-823d-33142946d8ac
IT DIM 75/HF LS/PD KIT	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.	60772e88-fb6a-4f58-9de2-f7bfe46caba3


### Application advice

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

### Sales and Technical Support

Sales and Technical Support [www.osram.com](http://www.osram.com)

### Download Data

File
 Product Datasheet UI LS PD LI HF Sensor technical information

## Product family datasheet

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### 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.

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### Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4062172360265	IT DIM 40/HF LS/PD KIT	Shipping carton box 10	287 mm x 237 mm x 101 mm	6.87 dm <sup>3</sup>	1693.00 g
4062172360289	IT DIM 60/HF LS/PD KIT	Shipping carton box 10	347 mm x 237 mm x 101 mm	8.31 dm <sup>3</sup>	2169.00 g
4062172360302	IT DIM 75/HF LS/PD KIT	Shipping carton box 10	347 mm x 237 mm x 101 mm	8.31 dm <sup>3</sup>	2209.00 g

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- 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.
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### Disclaimer

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

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