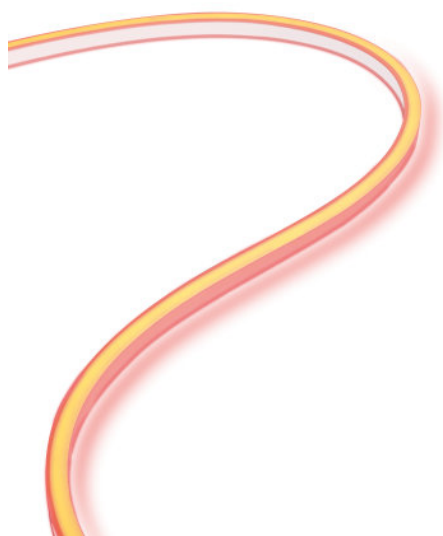


LINEARlight FLEX DIFFUSE 400 Monochrome Side

– LED modules for professional and industrial applications



Areas of application

- Individual and customized luminaires
- Organic shaped luminaires
- Architectural Integration – e.g. coves, walls
- Object integration – e.g. handrails
- Signage and illuminated advertising

Product benefits

- IP67 protection with high performance silicone
- Outdoor use possible: UV and salt mist resistant (UV acc. to ISO 4892-2 - Method A, salt mist acc. to IEC 60068-2-52 severity 1)

Product features

- Diffused light lines without visible spots
- Flexible and cuttable module to support design freedom
- Long operational length per single power feed possible (up to 6m)
- Ideal for luminaire designs
- Extra strong self-adhesive backside for easy mounting
- 24V technology for easy dimensioning
- Recommended in system use with OPTOTRONIC
- Increased reliability due to single piece reel-to-reel technology
- Dimmable with PWM technology



Product family datasheet

Technical data

Electrical data

Product description	Nominal voltage	Rated wattage	Reverse Voltage	Input voltage range	Nominal wattage per meter
LFD400MS -G1-BL-06	24.0 V	72.00 W	25 V	23...25 V	12.0 W
LFD400MS -G1-GR-06	24.0 V	72.00 W	25 V	23...25 V	12.0 W
LFD400MS -G1-RE-06	24.0 V	72.00 W	25 V	23...25 V	12.0 W
LFD400MS -G1-YE-06	24.0 V	72.00 W	25 V	23...25 V	12.0 W
LFD400MS -G1-OR-06	24.0 V	72.00 W	25 V	23...25 V	12.0 W
LFD400MS -G1-GR-03	24.0 V	36.00 W	25 V	23...25 V	12.0 W

Photometrical data

Product description	Light color (designation)	Light color LED	Luminous efficacy	Luminous flux per meter	Luminous flux
LFD400MS -G1-BL-06	Blue	Blue	5 lm/W	55 lm	330 lm
LFD400MS -G1-GR-06	Green	Green	22 lm/W	260 lm	1560 lm
LFD400MS -G1-RE-06	Red	Red	20 lm/W	240 lm	1440 lm
LFD400MS -G1-YE-06	Yellow	Yellow	13 lm/W	150 lm	900 lm
LFD400MS -G1-OR-06	Orange	Orange	13 lm/W	160 lm	960 lm
LFD400MS -G1-GR-03	Green	Green	43 lm/W	260 lm	780 lm

Light technical data

Product description	Beam angle
LFD400MS -G1-BL-06	120 °
LFD400MS -G1-GR-06	120 °
LFD400MS -G1-RE-06	120 °
LFD400MS -G1-YE-06	120 °
LFD400MS -G1-OR-06	120 °
LFD400MS -G1-GR-03	120 °

Product family datasheet

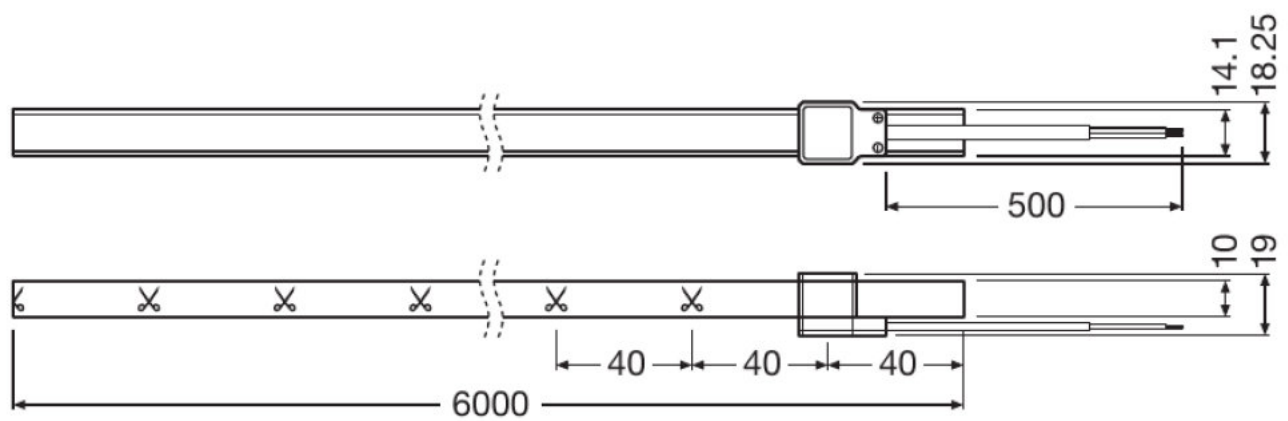
LED module information

Product description	Number of LEDs per module	Number of LEDs per meter
LFD400MS -G1-BL-06	900	150
LFD400MS -G1-GR-06	900	150
LFD400MS -G1-RE-06	900	150
LFD400MS -G1-YE-06	900	150
LFD400MS -G1-OR-06	900	150
LFD400MS -G1-GR-03	900	150

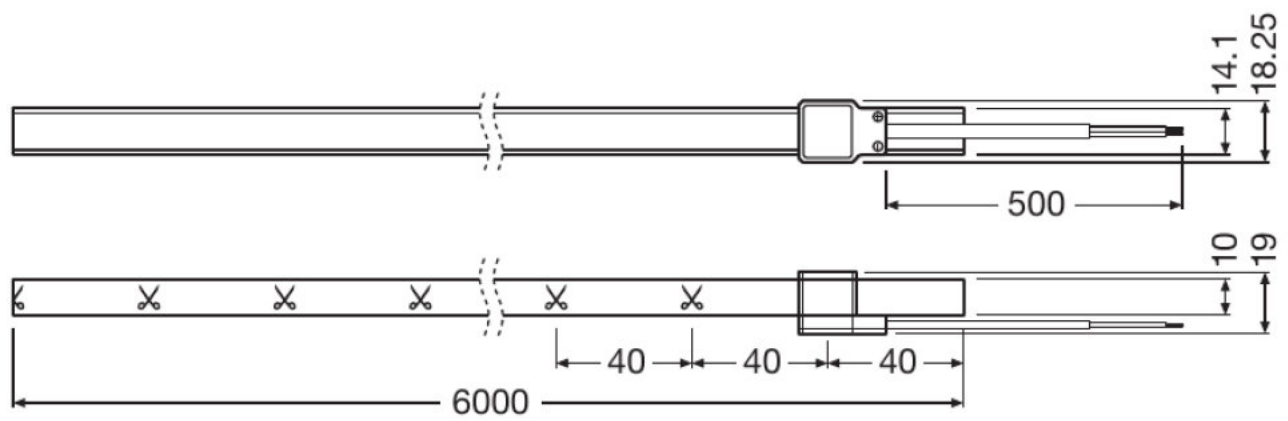
Dimensions & weight

Product description	Length	Width	Height	Product weight
LFD400MS -G1-BL-06	6000 mm	10.0 mm	14.1 mm	1040.00 g
LFD400MS -G1-GR-06	6000 mm	10.0 mm	14.1 mm	1040.00 g
LFD400MS -G1-RE-06	6000 mm	10.0 mm	14.1 mm	1040.00 g
LFD400MS -G1-YE-06	6000 mm	10.0 mm	14.1 mm	1040.00 g
LFD400MS -G1-OR-06	6000 mm	10.0 mm	14.1 mm	1040.00 g
LFD400MS -G1-GR-03	3000 mm	10.0 mm	14.1 mm	531.00 g

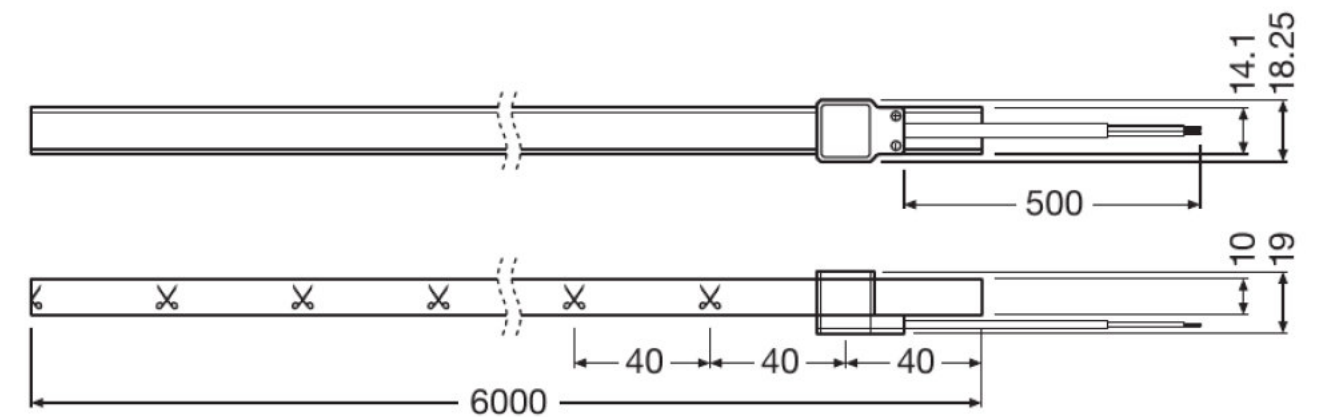
Product line drawing



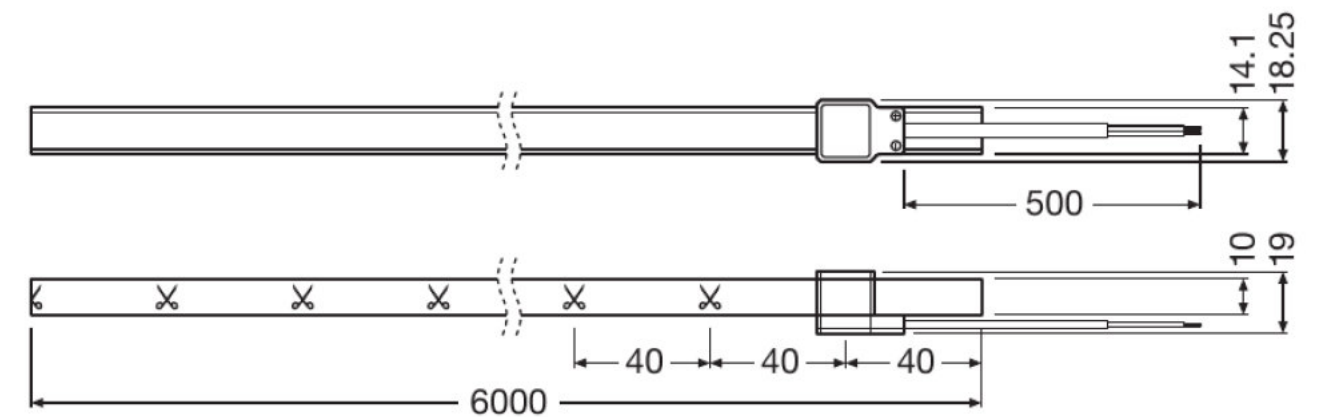
LFD400MS -G1-BL-06



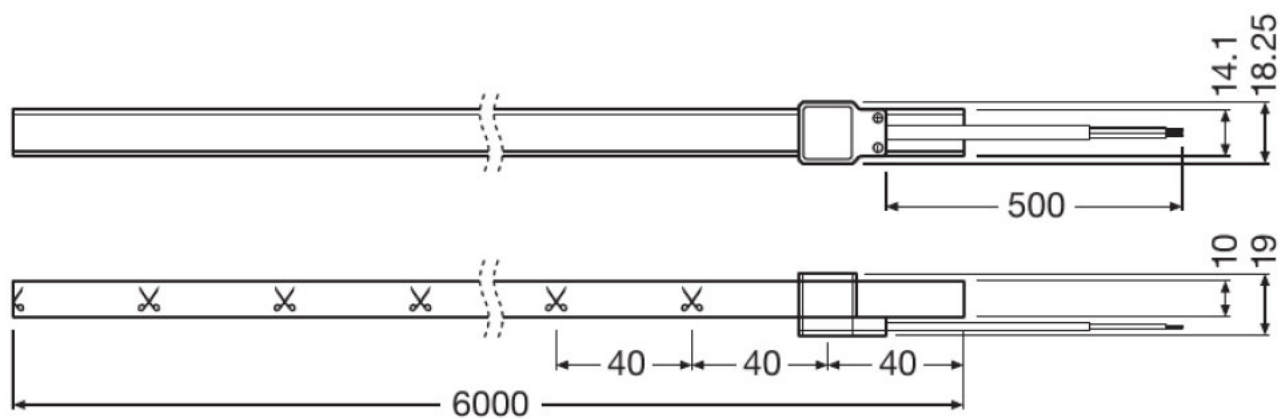
LFD400MS -G1-GR-06



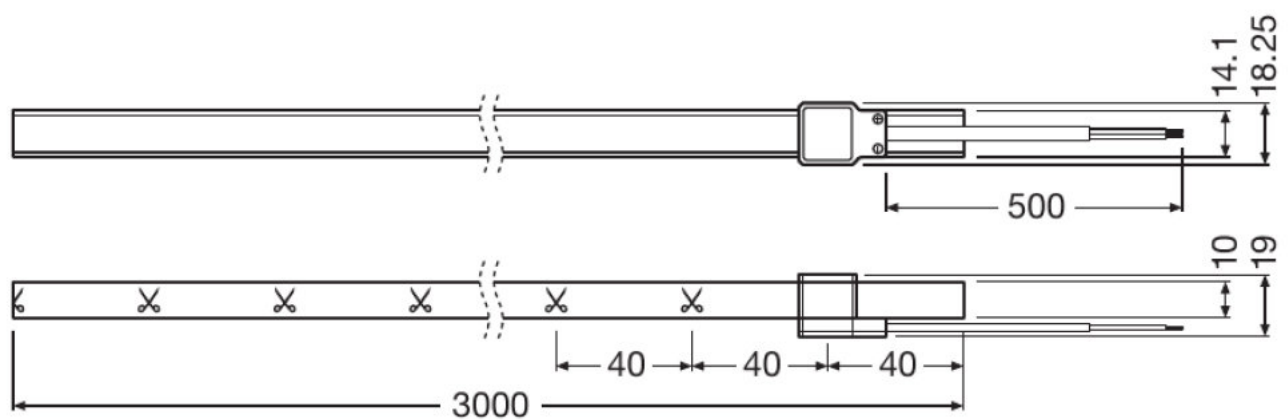
LFD400MS -G1-RE-06



LFD400MS -G1-YE-06



LFD400MS -G1-OR-06



LFD400MS -G1-GR-03

Temperatures & operating conditions

Product description	Temperature range in operation
LFD400MS -G1-BL-06	-20...65 °C
LFD400MS -G1-GR-06	-20...65 °C
LFD400MS -G1-RE-06	-20...65 °C
LFD400MS -G1-YE-06	-20...65 °C
LFD400MS -G1-OR-06	-20...65 °C
LFD400MS -G1-GR-03	-20...65 °C

Lifespan

Product description	Lifespan
LFD400MS -G1-BL-06	50000 h ¹⁾
LFD400MS -G1-GR-06	50000 h ¹⁾
LFD400MS -G1-RE-06	26000 h ¹⁾
LFD400MS -G1-YE-06	26000 h ¹⁾
LFD400MS -G1-OR-06	26000 h ¹⁾
LFD400MS -G1-GR-03	50000 h ¹⁾

¹⁾ L70/B50

Capabilities

Product description	Dimmable
LFD400MS -G1-BL-06	Yes ¹⁾
LFD400MS -G1-GR-06	Yes ¹⁾
LFD400MS -G1-RE-06	Yes ¹⁾
LFD400MS -G1-YE-06	Yes ¹⁾
LFD400MS -G1-OR-06	Yes ¹⁾
LFD400MS -G1-GR-03	Yes ¹⁾

¹⁾ PWM

Certificates & standards

Product description	Standards
LFD400MS -G1-BL-06	CE; ENEC 10 VDE/EAC/UL Recognized component according UL 8750
LFD400MS -G1-GR-06	CE; ENEC 10 VDE/EAC/UL Recognized component according UL 8750
LFD400MS -G1-RE-06	CE; ENEC 10 VDE/EAC/UL Recognized component according UL 8750
LFD400MS -G1-YE-06	CE; ENEC 10 VDE/EAC/UL Recognized component according UL 8750
LFD400MS -G1-OR-06	CE; ENEC 10 VDE/EAC/UL Recognized component according UL 8750
LFD400MS -G1-GR-03	CE; ENEC 10 VDE/EAC/UL Recognized component according UL 8750

Product family datasheet

Logistical data

Product description	Temperature range at storage
LFD400MS -G1-BL-06	-20...85 °C
LFD400MS -G1-GR-06	-20...85 °C
LFD400MS -G1-RE-06	-20...85 °C
LFD400MS -G1-YE-06	-20...85 °C
LFD400MS -G1-OR-06	-20...85 °C
LFD400MS -G1-GR-03	-20...85 °C

Application advice

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

Sales and Technical Support

Sales and Technical Support www.osram.com

Download Data

File	
 User instruction 728734_UI LINEARlight FLEX DIFFUSE	
 Declarations of conformity 726047_Declaration of Conformity_LINEARlight Flex Diffuse	
 Declarations of conformity 726048_Manufacturer Declaration_LINEARlight Flex Diffuse	
 Eulumdat 727780_Eulumdat_LFD400MS-G1-BL-06.ltd	
 IES data 727807_IES data_LFD400MS-G1-BL-06.ies	
 Eulumdat 727782_Eulumdat_LFD400MS-G1-GR-06.ltd	
 IES data 727809_IES data_LFD400MS-G1-GR-06.ies	
 Eulumdat 727784_Eulumdat_LFD400MS-G1-RE-06.ltd	
 IES data 727811_IES data_LFD400MS-G1-RE-06.ies	
 Eulumdat 727785_Eulumdat_LFD400MS-G1-YE-06.ltd	

Product family datasheet

	IES data 727812_Eulumdat_LFD400MS-G1-YE-06.ies
	Eulumdat 727783_Eulumdat_LFD400MS-G1-OR-06.ltd
	IES data 727810_IES data_LFD400MS-G1-OR-06.ies
	Eulumdat 727781_Eulumdat_LFD400MS-G1-GR-03.ltd
	IES data 727808_IES data_LFD400MS-G1-GR-03.ies

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899953659	LFD400MS -G1-BL-06	Shipping carton box 6	519 mm x 246 mm x 525 mm	67.03 dm ³	8330.00 g
4052899953666	LFD400MS -G1-GR-06	Shipping carton box 6	519 mm x 246 mm x 525 mm	67.03 dm ³	8330.00 g
4052899953673	LFD400MS -G1-RE-06	Shipping carton box 6	519 mm x 246 mm x 525 mm	67.03 dm ³	8330.00 g
4052899953680	LFD400MS -G1-YE-06	Shipping carton box 6	519 mm x 246 mm x 525 mm	67.03 dm ³	8330.00 g
4052899953697	LFD400MS -G1-OR-06	Shipping carton box 6	519 mm x 246 mm x 525 mm	67.03 dm ³	8330.00 g
4052899450882	LFD400MS -G1-GR-03	Shipping carton box 6	519 mm x 246 mm x 525 mm	67.03 dm ³	5276.00 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.

Accessories Mandatory

Product description	Accessory name	Accessory code
LFD400MS -G1-BL-06	LINEARlight FLEX DIFFUSE, -G1-CM2PF-IP67-500-X5	▶ 4052899451988
LFD400MS -G1-GR-06	LINEARlight FLEX DIFFUSE, -G1-CM2PF-IP67-500-X5	▶ 4052899451988
LFD400MS -G1-RE-06	LINEARlight FLEX DIFFUSE, -G1-CM2PF-IP67-500-X5	▶ 4052899451988
LFD400MS -G1-YE-06	LINEARlight FLEX DIFFUSE, -G1-CM2PF-IP67-500-X5	▶ 4052899451988
LFD400MS -G1-OR-06	LINEARlight FLEX DIFFUSE, -G1-CM2PF-IP67-500-X5	▶ 4052899451988
LFD400MS -G1-GR-03	LINEARlight FLEX DIFFUSE, -G1-CM2PF-IP67-500-X5	▶ 4052899451988

Accessories Optional

Product family datasheet

Product description	Accessory name	Accessory code
LFD400MS -G1-BL-06	LINEARlight FLEX DIFFUSE, -G1-BS-12H13	▶ 4052899452565
LFD400MS -G1-BL-06	LINEARlight FLEX DIFFUSE, -G1-BSL-12H13E9	▶ 4052899452596
LFD400MS -G1-BL-06	LINEARlight FLEX DIFFUSE, -G1-CM2PF-IP67-SIDEKIT5	▶ 4052899452022
LFD400MS -G1-BL-06	LINEARlight FLEX DIFFUSE, -G1-CM2PJ-IP67-0190-X5	▶ 4052899452046
LFD400MS -G1-BL-06	LINEARlight FLEX DIFFUSE, -G1-CM2PJ-IP67-SIDEKIT5	▶ 4052899452084
LFD400MS -G1-BL-06	LINEARlight FLEX DIFFUSE, -G1-ECS-KIT20	▶ 4052899452138
LFD400MS -G1-BL-06	LINEARlight FLEX DIFFUSE, -G1-EHS-KIT20	▶ 4052899452213
LFD400MS -G1-BL-06	LINEARlight FLEX DIFFUSE, -G1-GL-25	▶ 4052899452251
LFD400MS -G1-GR-06	LINEARlight FLEX DIFFUSE, -G1-BS-12H13	▶ 4052899452565
LFD400MS -G1-GR-06	LINEARlight FLEX DIFFUSE, -G1-BSL-12H13E9	▶ 4052899452596
LFD400MS -G1-GR-06	LINEARlight FLEX DIFFUSE, -G1-CM2PF-IP67-SIDEKIT5	▶ 4052899452022
LFD400MS -G1-GR-06	LINEARlight FLEX DIFFUSE, -G1-CM2PJ-IP67-0190-X5	▶ 4052899452046
LFD400MS -G1-GR-06	LINEARlight FLEX DIFFUSE, -G1-CM2PJ-IP67-SIDEKIT5	▶ 4052899452084
LFD400MS -G1-GR-06	LINEARlight FLEX DIFFUSE, -G1-ECS-KIT20	▶ 4052899452138
LFD400MS -G1-GR-06	LINEARlight FLEX DIFFUSE, -G1-EHS-KIT20	▶ 4052899452213
LFD400MS -G1-GR-06	LINEARlight FLEX DIFFUSE, -G1-GL-25	▶ 4052899452251
LFD400MS -G1-RE-06	LINEARlight FLEX DIFFUSE, -G1-BS-12H13	▶ 4052899452565
LFD400MS -G1-RE-06	LINEARlight FLEX DIFFUSE, -G1-BSL-12H13E9	▶ 4052899452596
LFD400MS -G1-RE-06	LINEARlight FLEX DIFFUSE, -G1-CM2PF-IP67-SIDEKIT5	▶ 4052899452022
LFD400MS -G1-RE-06	LINEARlight FLEX DIFFUSE, -G1-CM2PJ-IP67-0190-X5	▶ 4052899452046
LFD400MS -G1-RE-06	LINEARlight FLEX DIFFUSE, -G1-CM2PJ-IP67-SIDEKIT5	▶ 4052899452084
LFD400MS -G1-RE-06	LINEARlight FLEX DIFFUSE, -G1-ECS-KIT20	▶ 4052899452138
LFD400MS -G1-RE-06	LINEARlight FLEX DIFFUSE, -G1-EHS-KIT20	▶ 4052899452213
LFD400MS -G1-RE-06	LINEARlight FLEX DIFFUSE, -G1-GL-25	▶ 4052899452251
LFD400MS -G1-YE-06	LINEARlight FLEX DIFFUSE, -G1-BS-12H13	▶ 4052899452565
LFD400MS -G1-YE-06	LINEARlight FLEX DIFFUSE, -G1-BSL-12H13E9	▶ 4052899452596
LFD400MS -G1-YE-06	LINEARlight FLEX DIFFUSE, -G1-CM2PF-IP67-SIDEKIT5	▶ 4052899452022
LFD400MS -G1-YE-06	LINEARlight FLEX DIFFUSE, -G1-CM2PJ-IP67-0190-X5	▶ 4052899452046
LFD400MS -G1-YE-06	LINEARlight FLEX DIFFUSE, -G1-CM2PJ-IP67-SIDEKIT5	▶ 4052899452084
LFD400MS -G1-YE-06	LINEARlight FLEX DIFFUSE, -G1-ECS-KIT20	▶ 4052899452138
LFD400MS -G1-YE-06	LINEARlight FLEX DIFFUSE, -G1-EHS-KIT20	▶ 4052899452213
LFD400MS -G1-YE-06	LINEARlight FLEX DIFFUSE, -G1-GL-25	▶ 4052899452251
LFD400MS -G1-OR-06	LINEARlight FLEX DIFFUSE, -G1-BS-12H13	▶ 4052899452565
LFD400MS -G1-OR-06	LINEARlight FLEX DIFFUSE, -G1-BSL-12H13E9	▶ 4052899452596
LFD400MS -G1-OR-06	LINEARlight FLEX DIFFUSE, -G1-CM2PF-IP67-SIDEKIT5	▶ 4052899452022
LFD400MS -G1-OR-06	LINEARlight FLEX DIFFUSE, -G1-CM2PJ-IP67-0190-X5	▶ 4052899452046
LFD400MS -G1-OR-06	LINEARlight FLEX DIFFUSE, -G1-CM2PJ-IP67-SIDEKIT5	▶ 4052899452084
		▶

Product family datasheet

LFD400MS -G1-OR-06	LINEARlight FLEX DIFFUSE, -G1-ECS-KIT20	4052899452138
LFD400MS -G1-OR-06	LINEARlight FLEX DIFFUSE, -G1-EHS-KIT20	▶ 4052899452213
LFD400MS -G1-OR-06	LINEARlight FLEX DIFFUSE, -G1-GL-25	▶ 4052899452251
LFD400MS -G1-GR-03	LINEARlight FLEX DIFFUSE, -G1-BS-12H13	▶ 4052899452565
LFD400MS -G1-GR-03	LINEARlight FLEX DIFFUSE, -G1-BSL-12H13E9	▶ 4052899452596
LFD400MS -G1-GR-03	LINEARlight FLEX DIFFUSE, -G1-CM2PF-IP67-SIDEKIT5	▶ 4052899452022
LFD400MS -G1-GR-03	LINEARlight FLEX DIFFUSE, -G1-CM2PJ-IP67-0190-X5	▶ 4052899452046
LFD400MS -G1-GR-03	LINEARlight FLEX DIFFUSE, -G1-CM2PJ-IP67-SIDEKIT5	▶ 4052899452084
LFD400MS -G1-GR-03	LINEARlight FLEX DIFFUSE, -G1-ECS-KIT20	▶ 4052899452138
LFD400MS -G1-GR-03	LINEARlight FLEX DIFFUSE, -G1-EHS-KIT20	▶ 4052899452213
LFD400MS -G1-GR-03	LINEARlight FLEX DIFFUSE, -G1-GL-25	▶ 4052899452251

Disclaimer

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