

LINEARlight FLEX DIFFUSE 400 Monochrome Top

– 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
LFD400MT -G1-BL-06	24.0 V	72.00 W	25 V	23...25 V	12.0 W
LFD400MT -G1-GR-06	24.0 V	72.00 W	25 V	23...25 V	12.0 W
LFD400MT -G1-GR-03	24.0 V	36.00 W	25 V	23...25 V	12.0 W
LFD400MT -G1-RE-06	24.0 V	72.00 W	25 V	23...25 V	12.0 W
LFD400MT -G1-YE-06	24.0 V	72.00 W	25 V	23...25 V	12.0 W
LFD400MT -G1-OR-06	24.0 V	72.00 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
LFD400MT -G1-BL-06	Blue	Blue	5 lm/W	60 lm	360 lm
LFD400MT -G1-GR-06	Green	Green	24 lm/W	285 lm	1710 lm
LFD400MT -G1-GR-03	Green	Green	48 lm/W	285 lm	855 lm
LFD400MT -G1-RE-06	Red	Red	27 lm/W	320 lm	1920 lm
LFD400MT -G1-YE-06	Yellow	Yellow	14 lm/W	162 lm	972 lm
LFD400MT -G1-OR-06	Orange	Orange	15 lm/W	175 lm	1050 lm

Light technical data

Product description	Beam angle
LFD400MT -G1-BL-06	120 °
LFD400MT -G1-GR-06	120 °
LFD400MT -G1-GR-03	120 °
LFD400MT -G1-RE-06	120 °
LFD400MT -G1-YE-06	120 °
LFD400MT -G1-OR-06	120 °

Product family datasheet

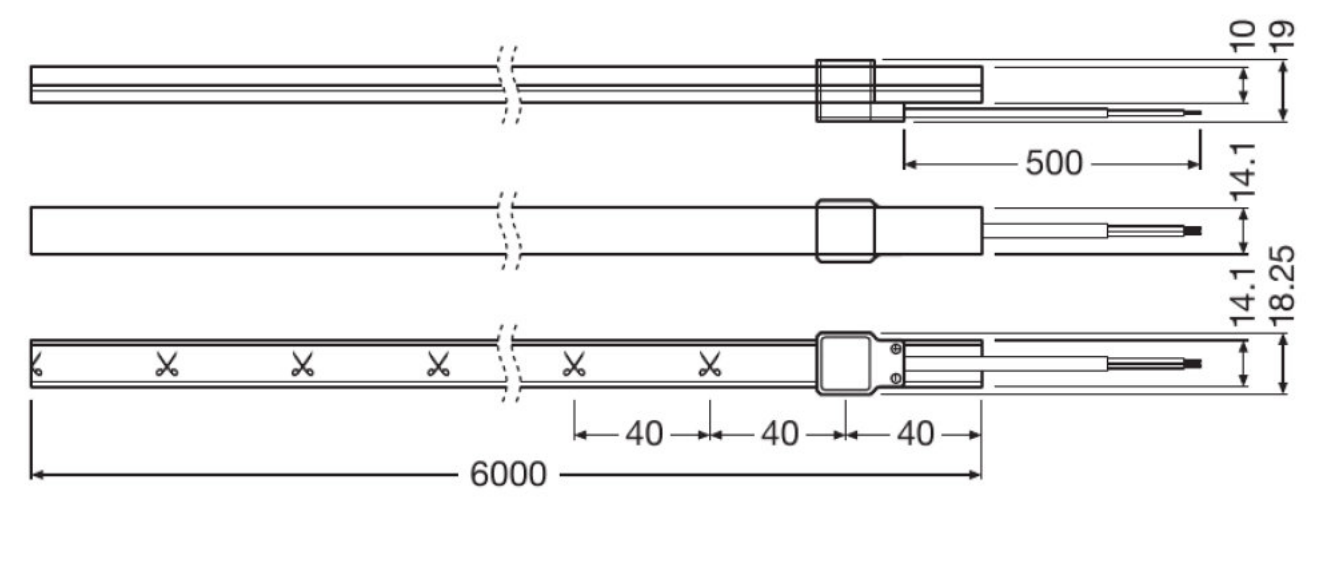
LED module information

Product description	Number of LEDs per module	Number of LEDs per meter
LFD400MT -G1-BL-06	900	150
LFD400MT -G1-GR-06	900	150
LFD400MT -G1-GR-03	900	150
LFD400MT -G1-RE-06	900	150
LFD400MT -G1-YE-06	900	150
LFD400MT -G1-OR-06	900	150

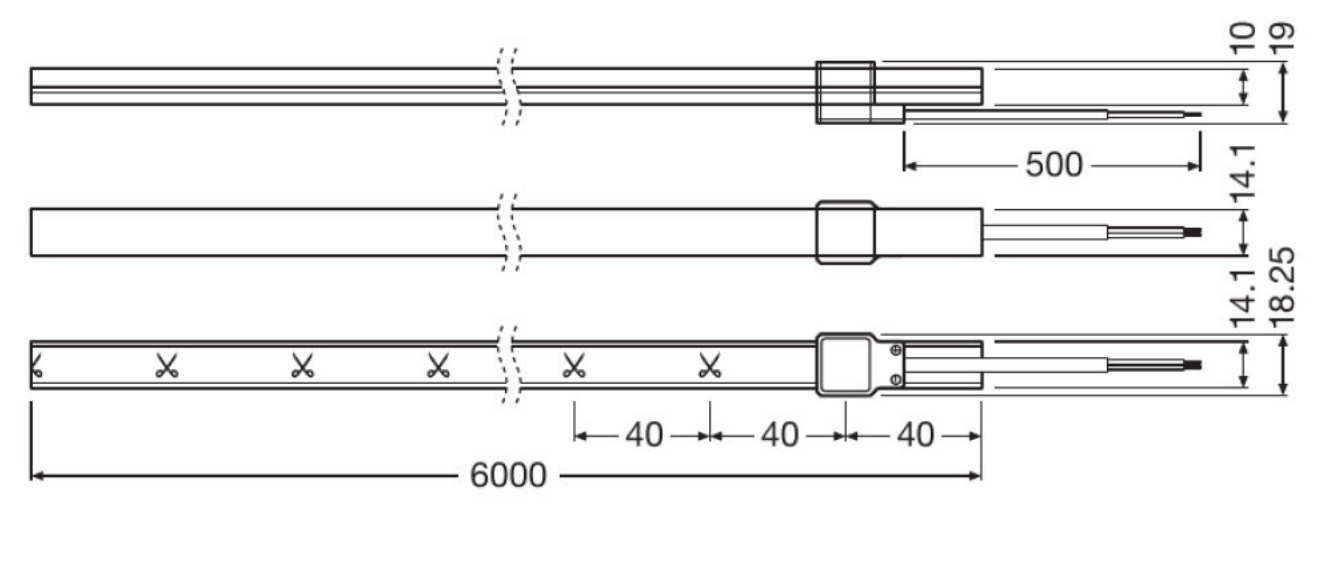
Dimensions & weight

Product description	Length	Width	Height	Product weight
LFD400MT -G1-BL-06	6000 mm	14.1 mm	10.0 mm	1040.00 g
LFD400MT -G1-GR-06	6000 mm	14.1 mm	10.0 mm	1040.00 g
LFD400MT -G1-GR-03	3000 mm	14.1 mm	10.0 mm	531.00 g
LFD400MT -G1-RE-06	6000 mm	14.1 mm	10.0 mm	1040.00 g
LFD400MT -G1-YE-06	6000 mm	14.1 mm	10.0 mm	1040.00 g
LFD400MT -G1-OR-06	6000 mm	14.1 mm	10.0 mm	1040.00 g

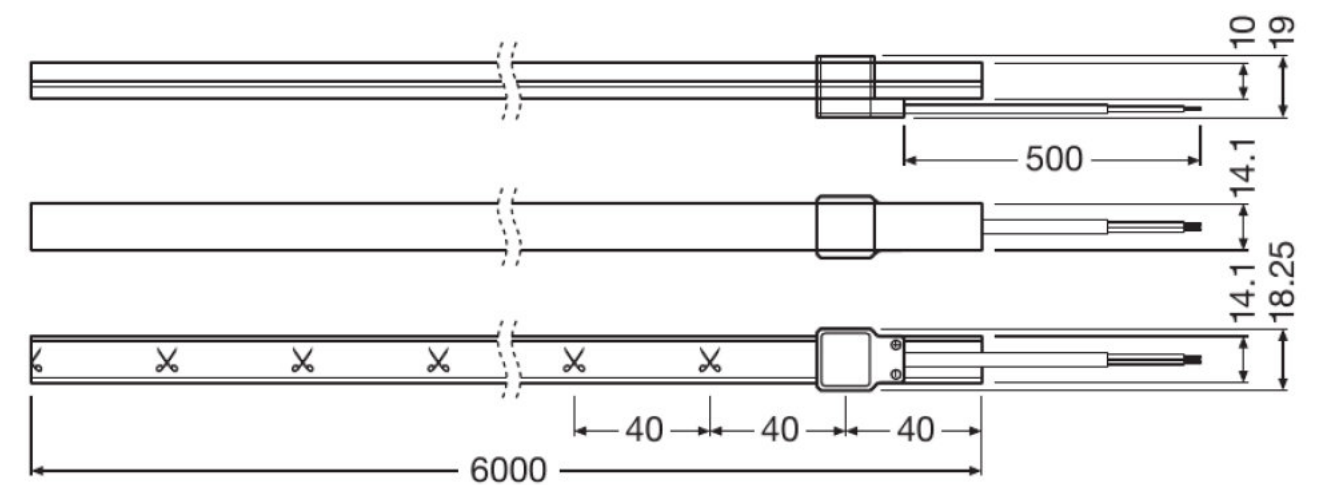
Product line drawing



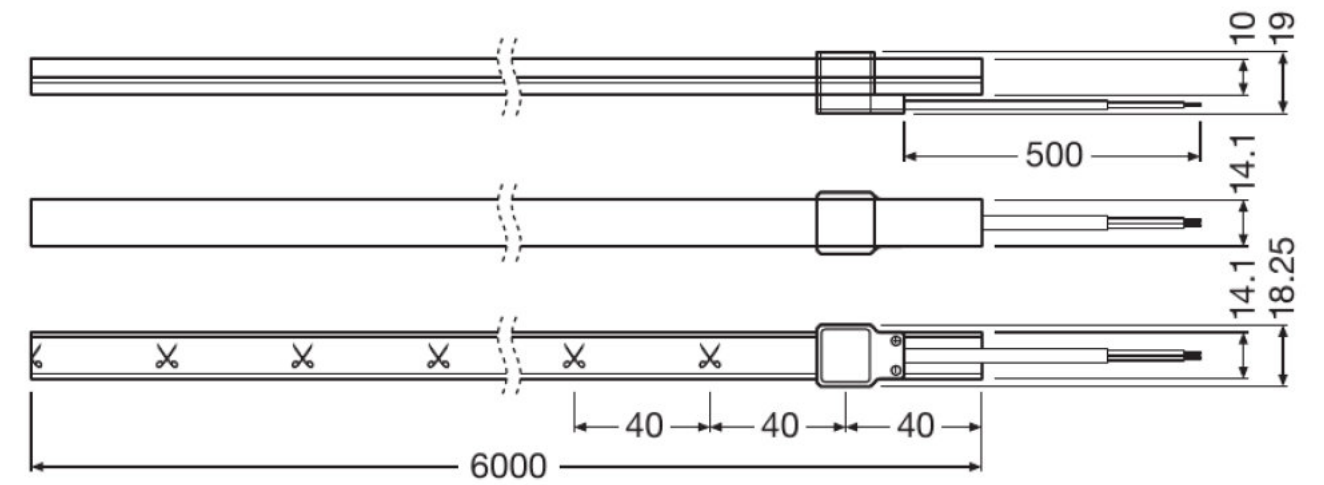
LFD400MT -G1-BL-06



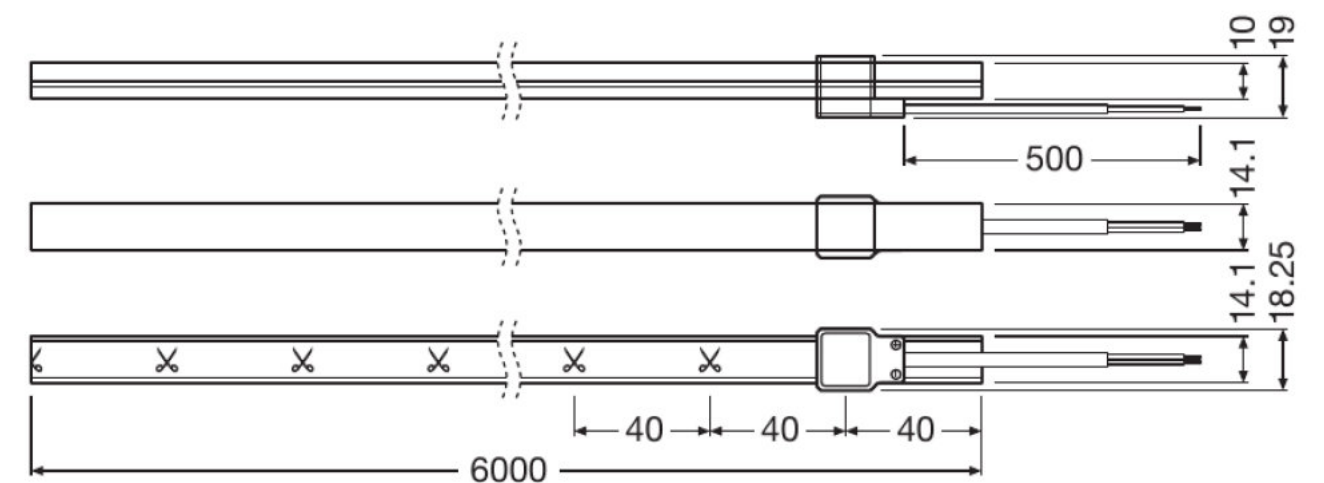
LFD400MT -G1-GR-06, LFD400MT -G1-GR-03



LFD400MT -G1-RE-06



LFD400MT -G1-YE-06



LFD400MT -G1-OR-06

Temperatures & operating conditions

Product description	Temperature range in operation
LFD400MT -G1-BL-06	-20...65 °C
LFD400MT -G1-GR-06	-20...65 °C
LFD400MT -G1-GR-03	-20...65 °C
LFD400MT -G1-RE-06	-20...65 °C
LFD400MT -G1-YE-06	-20...65 °C
LFD400MT -G1-OR-06	-20...65 °C

Lifespan

Product description	Lifespan
LFD400MT -G1-BL-06	50000 h ¹⁾
LFD400MT -G1-GR-06	50000 h ¹⁾
LFD400MT -G1-GR-03	50000 h ¹⁾
LFD400MT -G1-RE-06	26000 h ¹⁾
LFD400MT -G1-YE-06	26000 h ¹⁾
LFD400MT -G1-OR-06	26000 h ¹⁾

¹⁾ L70/B50

Product family datasheet

Capabilities

Product description	Dimmable
LFD400MT -G1-BL-06	Yes ¹⁾
LFD400MT -G1-GR-06	Yes ¹⁾
LFD400MT -G1-GR-03	Yes ¹⁾
LFD400MT -G1-RE-06	Yes ¹⁾
LFD400MT -G1-YE-06	Yes ¹⁾
LFD400MT -G1-OR-06	Yes ¹⁾

¹⁾ PWM

Certificates & standards

Product description	Standards
LFD400MT -G1-BL-06	CE; ENEC 10 VDE/EAC/UL Recognized component according UL 8750
LFD400MT -G1-GR-06	CE; ENEC 10 VDE/EAC/UL Recognized component according UL 8750
LFD400MT -G1-GR-03	CE; ENEC 10 VDE/EAC/UL Recognized component according UL 8750
LFD400MT -G1-RE-06	CE; ENEC 10 VDE/EAC/UL Recognized component according UL 8750
LFD400MT -G1-YE-06	CE; ENEC 10 VDE/EAC/UL Recognized component according UL 8750
LFD400MT -G1-OR-06	CE; ENEC 10 VDE/EAC/UL Recognized component according UL 8750

Logistical data

Product description	Temperature range at storage
LFD400MT -G1-BL-06	-20...85 °C
LFD400MT -G1-GR-06	-20...85 °C
LFD400MT -G1-GR-03	-20...85 °C
LFD400MT -G1-RE-06	-20...85 °C
LFD400MT -G1-YE-06	-20...85 °C
LFD400MT -G1-OR-06	-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

Product family datasheet

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 727786_Eulumdat_LFD400MT- G1-BL-06.ltd
	IES data 727813_IES data_LFD400MT- G1-BL-06.ies
	Eulumdat 727788_Eulumdat_LFD400MT- G1-GR-06.ltd
	IES data 727815_IES data_LFD400MT- G1-GR-06.ies
	Eulumdat 727787_Eulumdat_LFD400MT- G1-GR-03.ltd
	IES data 727814_IES data_LFD400MT- G1-GR-03.ies
	Eulumdat 727790_Eulumdata_LFD400MT- G1-RE-06.ltd
	IES data 727817_IES data_LFD400MT- G1-RE-06.ies
	Eulumdat 727791_Eulumdat_LFD400MT- G1-YE-06.ltd
	IES data 727818_IES data_LFD400MT- G1-YE-06.ies
	Eulumdat 727789_Eulumdat_LFD400MT- G1-OR-06.ltd
	IES data 727816_IES data_LFD400MT- G1-OR-06.ies

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899953550	LFD400MT -G1-BL-06	Shipping carton box 6	519 mm x 246 mm x 525 mm	67.03 dm ³	8330.00 g
4052899953567	LFD400MT -G1-GR-06	Shipping carton box 6	519 mm x 246 mm x 525 mm	67.03 dm ³	8330.00 g
4052899450851	LFD400MT -G1-GR-03	Shipping carton box 6	519 mm x 246 mm x 525 mm	67.03 dm ³	5276.00 g
4052899953574	LFD400MT -G1-RE-06	Shipping carton box 6	519 mm x 246 mm x 525 mm	67.03 dm ³	8330.00 g

Product family datasheet

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899953581	LFD400MT -G1-YE-06	Shipping carton box 6	519 mm x 246 mm x 525 mm	67.03 dm ³	8330.00 g
4052899953598	LFD400MT -G1-OR-06	Shipping carton box 6	519 mm x 246 mm x 525 mm	67.03 dm ³	8330.00 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
LFD400MT -G1-BL-06	LINEARlight FLEX DIFFUSE, -G1-CM2PF-IP67-500-X5	▶ 4052899451988
LFD400MT -G1-GR-06	LINEARlight FLEX DIFFUSE, -G1-CM2PF-IP67-500-X5	▶ 4052899451988
LFD400MT -G1-GR-03	LINEARlight FLEX DIFFUSE, -G1-CM2PF-IP67-500-X5	▶ 4052899451988
LFD400MT -G1-RE-06	LINEARlight FLEX DIFFUSE, -G1-CM2PF-IP67-500-X5	▶ 4052899451988
LFD400MT -G1-YE-06	LINEARlight FLEX DIFFUSE, -G1-CM2PF-IP67-500-X5	▶ 4052899451988
LFD400MT -G1-OR-06	LINEARlight FLEX DIFFUSE, -G1-CM2PF-IP67-500-X5	▶ 4052899451988

Accessories Optional

Product description	Accessory name	Accessory code
LFD400MT -G1-BL-06	LINEARlight FLEX DIFFUSE, -G1-BT-17H11	▶ 4052899452503
LFD400MT -G1-BL-06	LINEARlight FLEX DIFFUSE, -G1-BTL-17H11E9	▶ 4052899452534
LFD400MT -G1-BL-06	LINEARlight FLEX DIFFUSE, -G1-CM2PF-IP67-TOPKIT5	▶ 4052899452008
LFD400MT -G1-BL-06	LINEARlight FLEX DIFFUSE, -G1-CM2PJ-IP67-0190-X5	▶ 4052899452046
LFD400MT -G1-BL-06	LINEARlight FLEX DIFFUSE, -G1-CM2PJ-IP67-TOPKIT5	▶ 4052899452060
LFD400MT -G1-BL-06	LINEARlight FLEX DIFFUSE, -G1-ECT-KIT20	▶ 4052899452114
LFD400MT -G1-BL-06	LINEARlight FLEX DIFFUSE, -G1-EHT-KIT20	▶ 4052899452183
LFD400MT -G1-BL-06	LINEARlight FLEX DIFFUSE, -G1-GL-25	▶ 4052899452251
LFD400MT -G1-GR-06	LINEARlight FLEX DIFFUSE, -G1-BT-17H11	▶ 4052899452503
LFD400MT -G1-GR-06	LINEARlight FLEX DIFFUSE, -G1-BTL-17H11E9	▶ 4052899452534
LFD400MT -G1-GR-06	LINEARlight FLEX DIFFUSE, -G1-CM2PF-IP67-TOPKIT5	▶ 4052899452008
LFD400MT -G1-GR-06	LINEARlight FLEX DIFFUSE, -G1-CM2PJ-IP67-0190-X5	▶ 4052899452046
LFD400MT -G1-GR-06	LINEARlight FLEX DIFFUSE, -G1-CM2PJ-IP67-TOPKIT5	▶ 4052899452060
LFD400MT -G1-GR-06	LINEARlight FLEX DIFFUSE, -G1-ECT-KIT20	▶ 4052899452114
LFD400MT -G1-GR-06	LINEARlight FLEX DIFFUSE, -G1-EHT-KIT20	▶ 4052899452183
LFD400MT -G1-GR-06	LINEARlight FLEX DIFFUSE, -G1-GL-25	▶ 4052899452251
LFD400MT -G1-GR-03	LINEARlight FLEX DIFFUSE, -G1-BT-17H11	▶ 4052899452503

Product family datasheet

LFD400MT -G1-GR-03	LINEARlight FLEX DIFFUSE, -G1-BTL-17H11E9	4052899452534
LFD400MT -G1-GR-03	LINEARlight FLEX DIFFUSE, -G1-CM2PF-IP67-TOPKIT5	▶ 4052899452008
LFD400MT -G1-GR-03	LINEARlight FLEX DIFFUSE, -G1-CM2PJ-IP67-0190-X5	▶ 4052899452046
LFD400MT -G1-GR-03	LINEARlight FLEX DIFFUSE, -G1-CM2PJ-IP67-TOPKIT5	▶ 4052899452060
LFD400MT -G1-GR-03	LINEARlight FLEX DIFFUSE, -G1-ECT-KIT20	▶ 4052899452114
LFD400MT -G1-GR-03	LINEARlight FLEX DIFFUSE, -G1-EHT-KIT20	▶ 4052899452183
LFD400MT -G1-GR-03	LINEARlight FLEX DIFFUSE, -G1-GL-25	▶ 4052899452251
LFD400MT -G1-RE-06	LINEARlight FLEX DIFFUSE, -G1-BT-17H11	▶ 4052899452503
LFD400MT -G1-RE-06	LINEARlight FLEX DIFFUSE, -G1-BTL-17H11E9	▶ 4052899452534
LFD400MT -G1-RE-06	LINEARlight FLEX DIFFUSE, -G1-CM2PF-IP67-TOPKIT5	▶ 4052899452008
LFD400MT -G1-RE-06	LINEARlight FLEX DIFFUSE, -G1-CM2PJ-IP67-0190-X5	▶ 4052899452046
LFD400MT -G1-RE-06	LINEARlight FLEX DIFFUSE, -G1-CM2PJ-IP67-TOPKIT5	▶ 4052899452060
LFD400MT -G1-RE-06	LINEARlight FLEX DIFFUSE, -G1-ECT-KIT20	▶ 4052899452114
LFD400MT -G1-RE-06	LINEARlight FLEX DIFFUSE, -G1-EHT-KIT20	▶ 4052899452183
LFD400MT -G1-RE-06	LINEARlight FLEX DIFFUSE, -G1-GL-25	▶ 4052899452251
LFD400MT -G1-YE-06	LINEARlight FLEX DIFFUSE, -G1-BT-17H11	▶ 4052899452503
LFD400MT -G1-YE-06	LINEARlight FLEX DIFFUSE, -G1-BTL-17H11E9	▶ 4052899452534
LFD400MT -G1-YE-06	LINEARlight FLEX DIFFUSE, -G1-CM2PF-IP67-TOPKIT5	▶ 4052899452008
LFD400MT -G1-YE-06	LINEARlight FLEX DIFFUSE, -G1-CM2PJ-IP67-0190-X5	▶ 4052899452046
LFD400MT -G1-YE-06	LINEARlight FLEX DIFFUSE, -G1-CM2PJ-IP67-TOPKIT5	▶ 4052899452060
LFD400MT -G1-YE-06	LINEARlight FLEX DIFFUSE, -G1-ECT-KIT20	▶ 4052899452114
LFD400MT -G1-YE-06	LINEARlight FLEX DIFFUSE, -G1-EHT-KIT20	▶ 4052899452183
LFD400MT -G1-YE-06	LINEARlight FLEX DIFFUSE, -G1-GL-25	▶ 4052899452251
LFD400MT -G1-OR-06	LINEARlight FLEX DIFFUSE, -G1-BT-17H11	▶ 4052899452503
LFD400MT -G1-OR-06	LINEARlight FLEX DIFFUSE, -G1-BTL-17H11E9	▶ 4052899452534
LFD400MT -G1-OR-06	LINEARlight FLEX DIFFUSE, -G1-CM2PF-IP67-TOPKIT5	▶ 4052899452008
LFD400MT -G1-OR-06	LINEARlight FLEX DIFFUSE, -G1-CM2PJ-IP67-0190-X5	▶ 4052899452046
LFD400MT -G1-OR-06	LINEARlight FLEX DIFFUSE, -G1-CM2PJ-IP67-TOPKIT5	▶ 4052899452060
LFD400MT -G1-OR-06	LINEARlight FLEX DIFFUSE, -G1-ECT-KIT20	▶ 4052899452114
LFD400MT -G1-OR-06	LINEARlight FLEX DIFFUSE, -G1-EHT-KIT20	▶ 4052899452183
LFD400MT -G1-OR-06	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.