

**FEATURES**

- Bartenbach 'Dark Light' technology
- The lighting solution disappears into the ceiling
- Protected by 2 patents

**Bartenbach**  
lighting optics



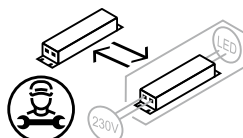
Preliminary

**Felta**  
Fixed

**SPECIFICATIONS**

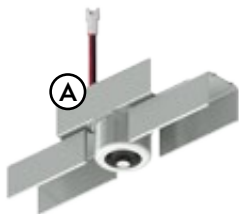
<b>Beam angle</b>	60°
<b>Fixture material</b>	Die cast aluminium
<b>CCT</b>	2700K / 3000K / 4000K
<b>CRI</b>	82
<b>UGR</b>	<10*
<b>IK rate</b>	IK09
<b>IP rate</b>	IP20
<b>Operating temperature</b>	-20-45°C
<b>Safety marks</b>	EN60598
<b>Colour consistency</b>	MacAdam step 3
<b>Warranty</b>	7 years
<b>Safety class</b>	III
<b>Energy class</b>	These products contains a light source of energy efficiency class F (2700K/3000K) / E (4000K)

This luminaire contains built-in LED lamps. There are no exchangeable parts inside the luminaire. EU 874/2012  
 \* This luminaire is glare free because the Light Emitting Surface is completely integrated behind the tube opening.  
 According to the norms it is not possible to calculate a reliable UGR value for this kind of optical solution.



## FELTA LV A

**700 mA**



### ITEM SPECIFICATIONS

Description	Item code	Input	Vf	W	Lm	Lm/W	CRI (typ.)	Pf	Ripple	Inrush current	B-16A Fuse
Felta LV 700mA 550 Lm 2700K Dim 60°	FL2803AL27E2	700mA	11,9	8,4	550	65	82	x	x	x	x
Felta LV 700mA 600 Lm 3000K Dim 60°	FL2803AL30E2	700mA	11,9	8,4	600	71	82	x	x	x	x
Felta LV 700mA 650 Lm 4000K Dim 60°	FL2803AL40E2	700mA	11,9	8,4	650	77	82	x	x	x	x

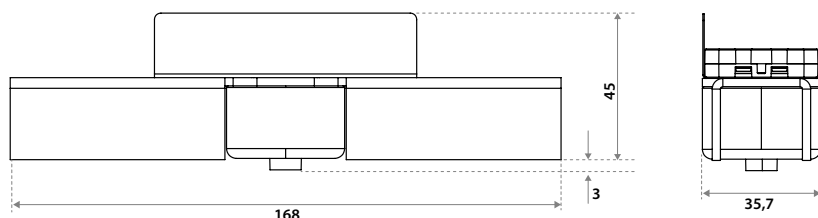
Description	Safety class	Energy class	Weight	Dimensions carton	Quantity per carton	Expected lifespan B10 (25°C)		
						L70B10	L80B10	L90B10
Felta LV 700mA 550 Lm 2700K Dim 60°	III	F	128 gr	390x360x330 mm	18 pcs	166.000 hrs	105.000 hrs	50.000 hrs
Felta LV 700mA 600 Lm 3000K Dim 60°	III	F	128 gr	390x360x330 mm	18 pcs	166.000 hrs	105.000 hrs	50.000 hrs
Felta LV 700mA 650 Lm 4000K Dim 60°	III	E	128 gr	390x360x330 mm	18 pcs	166.000 hrs	105.000 hrs	50.000 hrs

All values are measured at 230V (+/- 7%)

### CHOOSE YOUR LV LUMEN OUTPUT

	mA	W	Lumen Output			Lumen / Watt			Driver types			
			2700K	3000K	4000K	2700K	3000K	4000K	KGP No dim	KGP Triac	TCI Casambi	KGP Dali
<i>Special request</i>	350	4,2	300	325	350	67	72	83	CC36W150-900	CC36W150-900	127648	CC36W150-900
<i>Special request</i>	500	5,3	400	450	475	70	79	89	CC36W150-900	CC36W150-900	127648	CC36W150-900
<b>Standard</b>	700	8,4	550	600	650	65	71	77	CC36W150-900	CC36W150-900	127648	CC36W150-900

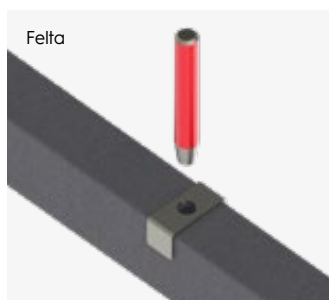
### DIMENSIONS



### ITEM SPECIFICATIONS (ACCESSORIES)

Description	Specification	Item code	Weight	Dimensions single carton	Quantity per carton
<span style="border: 1px solid black; border-radius: 50%; padding: 2px;">H</span> Hole puncher	Felta Groove 10mm incl. alignment tool	001J03RE0000			1 pc

H Hole puncher Felta/Groovy



By clamping a block of wood in a vise, it is possible to make a hole in the slot yourself using a hole punch and an alignment tool.

02-09-2024

**PLUG & PLAY CABLES SYSTEM**

**FEATURES**

- Professional 16A Plug&Play system
- 3 or 5 wire system
- Widely spread in lighting market



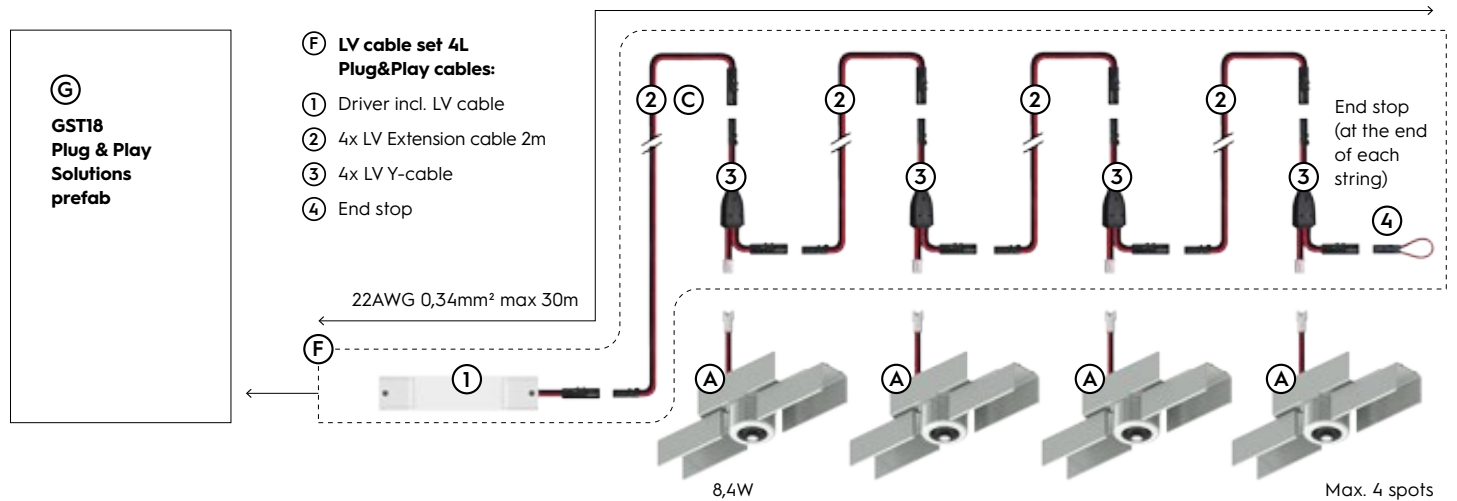
**HV DISTRIBUTOR SYSTEM**

**FEATURES**

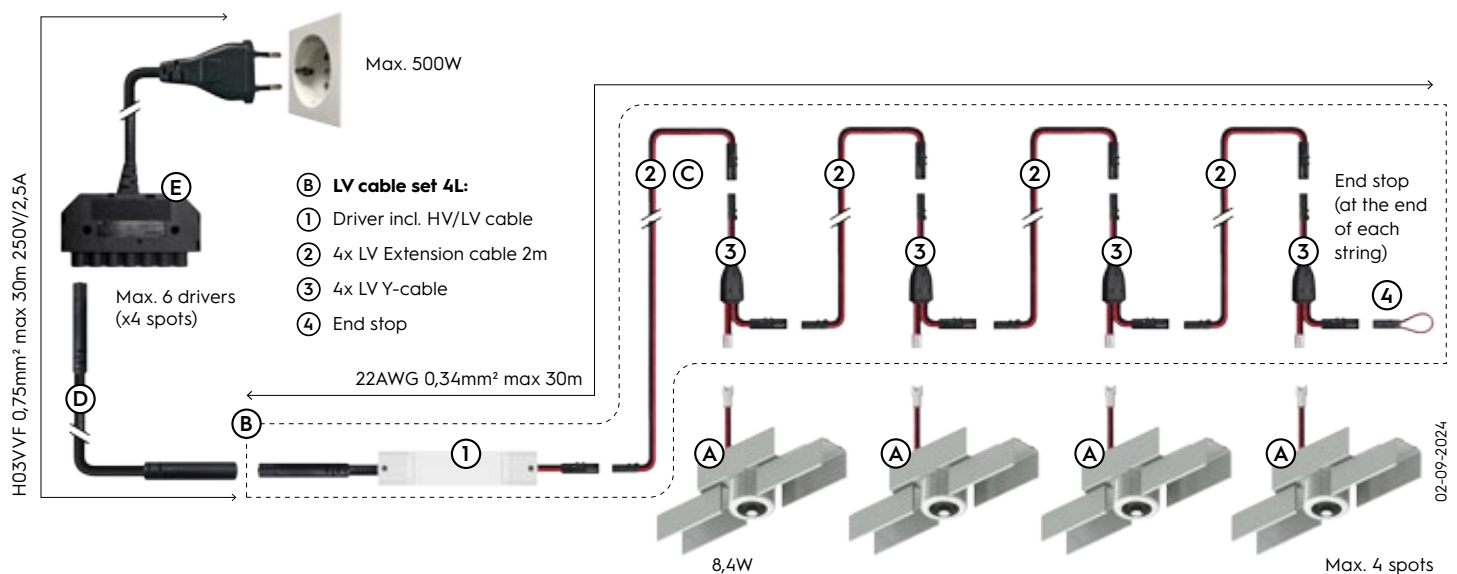
- Basic 2,5A Plug&Play system
- 2 wire system
- Not available for Dali



**FELTA LV PLUG & PLAY CABLES SYSTEM**



**FELTA LV HV DISTRIBUTOR SYSTEM**



## LV CABLE SET (INCL. PSU) F

## PLUG & PLAY CABLES SYSTEM



**PSU KGP 36W No dim NFC\***  
(50Vf, max. 4 downlights)  
108x44x30 mm  
Expected lifespan 100.000 hrs



**PSU KGP 40W Triac NFC\***  
(50Vf, max. 4 downlights)  
128x30x21 mm  
Expected lifespan 100.000 hrs



**PSU TCI 38W Casambi NFC\***  
(54Vf, max. 4 downlights)  
108x44x30 mm  
Expected lifespan 100.000 hrs



**PSU KGP 36W Dali NFC\***  
(50Vf, max. 4 downlights)  
108x44x30 mm  
Expected lifespan 100.000 hrs

## Item specifications (PSU)

Description	Item code	Input	Watt	Current	Efficiency	Pf	Ripple	Weight	Inrush	B-16A current Fuse
<span>F</span> PSU 36W No dim LV cable set	05PH03MLMT00	220-240V	36W (50Vf)	700mA	88%	0.95	<3%	100 gr	≤8,5A 16μS	59 pcs
<span>F</span> PSU 40W Triac LV cable set	05QF03MLMT00	220-240V	40W (50Vf)	700mA	86%	0.95	<3%	100 gr	10A 16μS	50 pcs
<span>F</span> PSU 38W Casambi LV cable set	05QG03MLMT00	220-240V	38W (54Vf)	700mA	90%	0.95	<3%	139 gr	5A 50μS	50 pcs
<span>F</span> PSU 36W Dali LV cable set	05PJ03MLMT00	220-240V	36W (50Vf)	700mA	88%	0.95	<3%	97 gr	≤8,5A 16μS	59 pcs

All values are measured at 230V (+/- 7%)

## ACCESSORIES/GST18 PLUG & PLAY SOLUTIONS PREFAB

G GST18 Plug & Play Solutions prefab



C (Extra) LV Extension cable 10m (remote PSU)

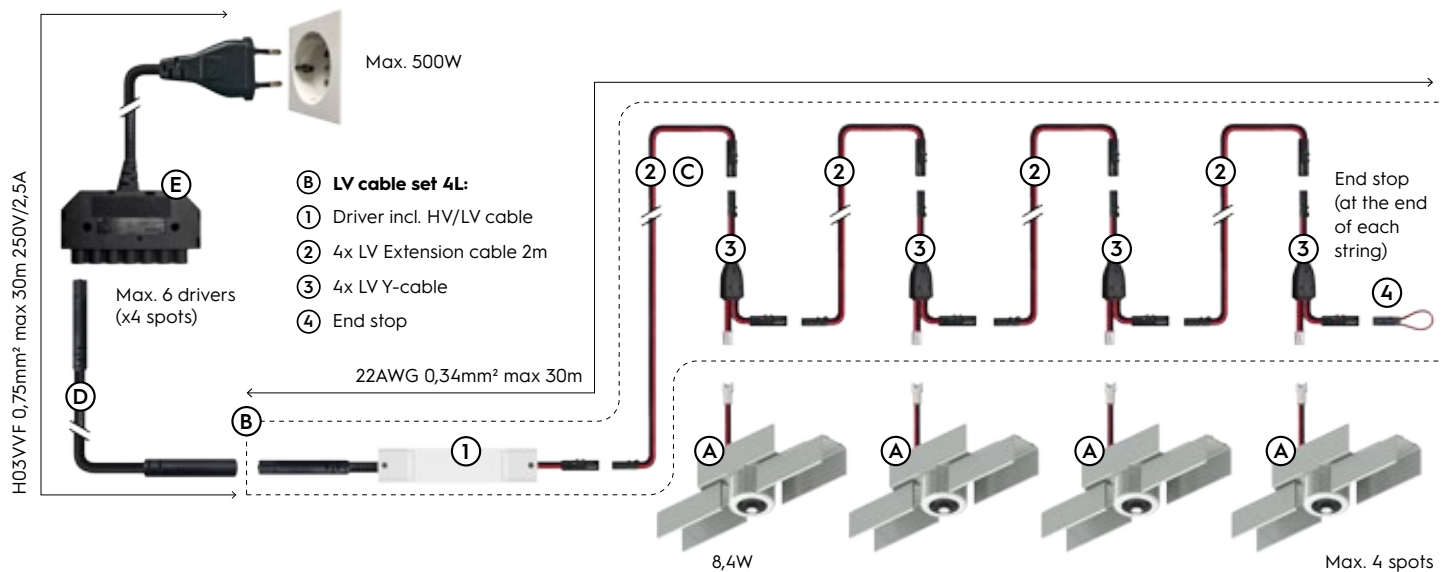


## Item specifications (accessories)

Description	Class	Lenght	Item code	Over carton
<span>G1</span> Euro plug incl. cable	II	2.0 m	015203BL1200	
<span>G2</span> Schuko plug incl. cable	I	1.5 m	1C5203BLA000	
<span>G3</span> UK plug incl. cable	II	2.0 m	0A5203BL1200	
<span>G4</span> GST18-3 male incl. cable 2x0.75mm <sup>2</sup>	II	0.3 m	455203BL0000	
<span>G4</span> GST18-3 male incl. cable 2x0.75mm <sup>2</sup>	II	3.0 m	455203BL1500	
<span>G4</span> GST18-3 male incl. cable 3x0.75mm <sup>2</sup>	I	0.3 m	4A5203BL0000	
<span>G4</span> GST18-3 male incl. cable 3x0.75mm <sup>2</sup>	I	3.0 m	4A5203BL1500	
<span>G5</span> Dali GST18-5 male incl. cable 5x0.75mm <sup>2</sup>	I	0.3 m	6A5203BL0000	
<span>G5</span> Dali GST18-5 male incl. cable 5x0.75mm <sup>2</sup>	I	3.0 m	6A5203BL1500	
<span>G6</span> Dali BST14i male incl. cable	III	0.5 m	095203BL0000	
<span>G6</span> Dali BST14i male incl. cable	III	3.0 m	095203BL1500	
<span>G7</span> GST18-3 T-splitter male incl. cable	II	0.2 m	459203BL0000	
<span>G7</span> GST18-3 T-splitter male incl. cable	I	0.2 m	4A9203BL0000	
<span>G8</span> GST18-5 T-splitter male	I / II	x	659203BU0000	
<span>G9</span> 1-10V/Dali BST14i T-splitter male incl. cable	III	0,2 m	099203BL0000	

02-09-2024

## FELTA LV HV DISTRIBUTOR SYSTEM



### LV CABLE SET (INCL. PSU) B



**PSU KGP 36W No dim NFC**  
(50Vf, max. 4 downlights)  
108x44x30 mm  
Expected lifespan 100.000 hrs



**PSU KGP 40W Triac NFC**  
(50Vf, max. 4 downlights)  
128x30x21 mm  
Expected lifespan 100.000 hrs



**PSU TCI 38W Casambi NFC**  
(54Vf, max. 4 downlights)  
108x44x30 mm  
Expected lifespan 100.000 hrs

### Item specifications (PSU)

Description	Item code	Input	Watt	Current	Efficiency	Pf	Ripple	Weight	Inrush	B-16A current Fuse
<span style="border: 1px solid black; border-radius: 50%; padding: 0 2px;">B</span> PSU 36W No dim LV cable set	05PH03MLMV00	220-240V	36W (50Vf)	700mA	88%	0.95	<3%	100 gr	≤8,5A 16μS	59 pcs
<span style="border: 1px solid black; border-radius: 50%; padding: 0 2px;">B</span> PSU 40W Triac LV cable set	05QF03MLMV00	220-240V	40W (50Vf)	700mA	86%	0.95	<3%	100 gr	10A 16μS	50 pcs
<span style="border: 1px solid black; border-radius: 50%; padding: 0 2px;">B</span> PSU 36W Casambi LV cable set	05PK03MLMV00	220-240V	36W (54Vf)	700mA	90%	0.95	<3%	139 gr	5A 50μS	50 pcs

All values are measured at 230V (+/- 7%)

### ACCESSORIES

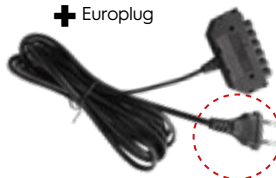
C (Extra) LV Extension cable 10m (remote PSU)



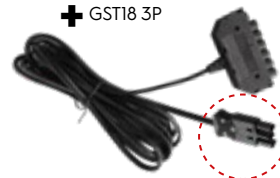
D HV Extension cable



E HV Distributor 6x + Europlug



E HV Distributor 6x + GST18 3P



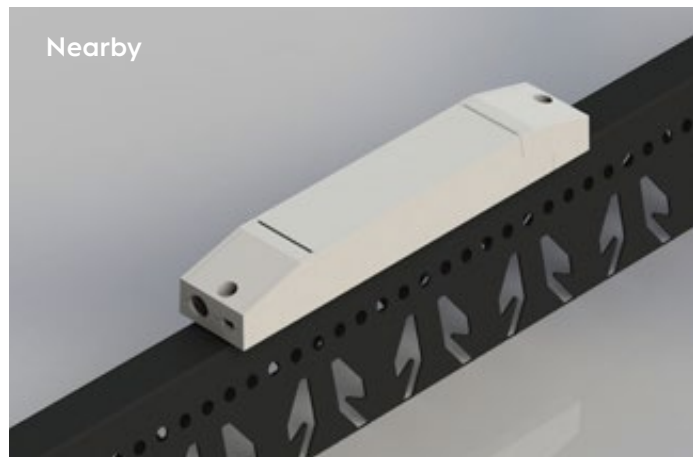
### Item specifications (accessories)

Description	Specification	Item code	Weight	Dimensions single carton	Quantity per carton
<span style="border: 1px solid black; border-radius: 50%; padding: 0 2px;">C</span> LV Extension cable	LV 10m m/f (0,34mm²)	6E5203BL1202	120 p/st	302x220x100 mm	16 pcs
<span style="border: 1px solid black; border-radius: 50%; padding: 0 2px;">D</span> HV Extension cable	HV Ø7,6mm 2m m/f (0,75mm²)	6F5203BL1202	78 p/st	302x220x100 mm	30 pcs
<span style="border: 1px solid black; border-radius: 50%; padding: 0 2px;">E</span> HV Distributor 6x + Europlug	HV Ø7,6mm 6x + cable 1m 2,5A / GST18 3P	665203BL2502	148 p/st	302x220x100 mm	15 pcs
<span style="border: 1px solid black; border-radius: 50%; padding: 0 2px;">E</span> HV Distributor 6x + GST18 3P	HV Ø7,6mm 6x + cable 1m 2,5A / GST18 3P	665203BL1502	148 p/st	302x220x100 mm	15 pcs

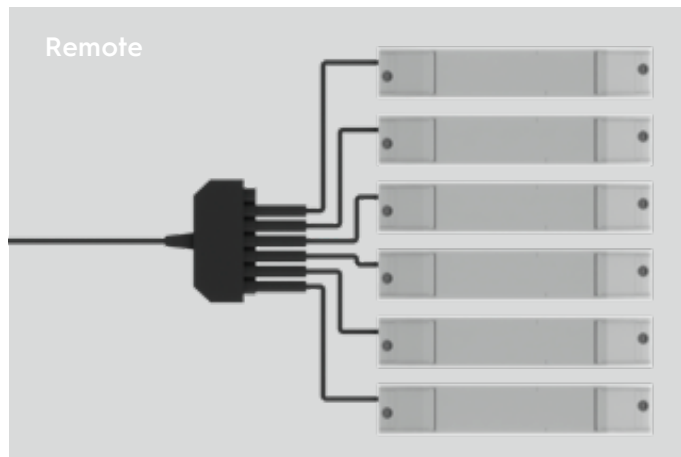
All values are measured at 230V (+/- 7%)

## INSTALLATION PSU

We recommend placing the drivers decentrally, but if this is not possible, it is better to place a mains filter on the power group because it might be difficult to replace a defective driver. For instance: Littelfuse LSP05G240SX333 or Littelfuse LSP05G277SX333

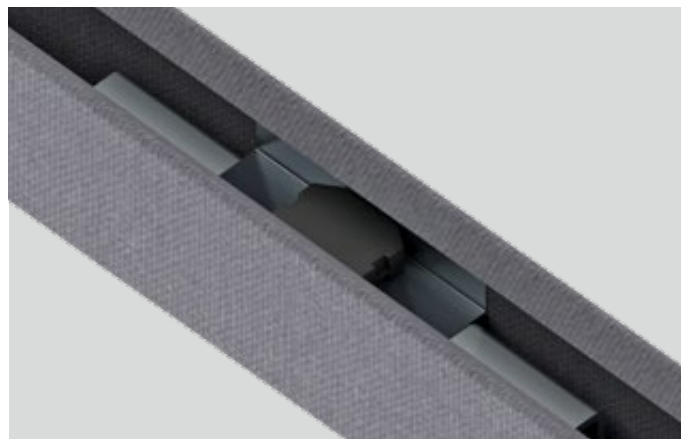
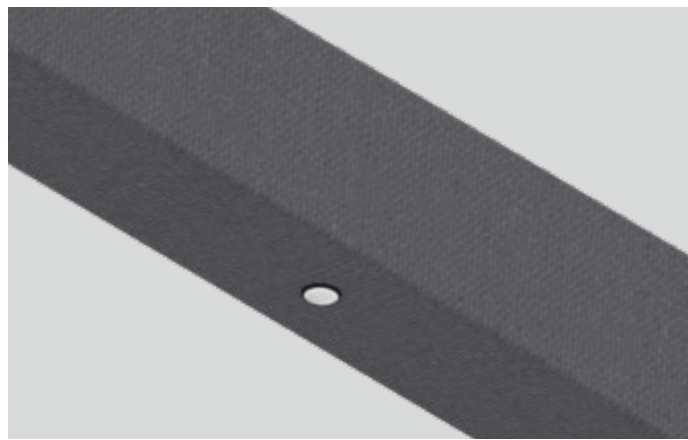


The drivers are provided with 2 pcs of double-sided tape for attachment to the cross rail. Due to the difficult accessibility of the power supply, we recommend using a mains filter to increase the lifespan of the power supply



It is recommended to install the power supplies in an easily accessible place. By using the LV extension cable, the distance to the last spot can be increased to a maximum of 30 meters.

## FELTA FOR TEXTILE HEARTFELT® LINEAR



This Felta is intended for integration into the TEXTILE Heartfelt® Linear. Only the tube of the patented optics sticks through the hole that can be made in the panel, the rest of the lighting is completely invisible. The top bracket not only provides extra cooling, but also ensures that the optics remain properly positioned in the hole.

## PLACING FELTA IN TEXTILE HEARTFELT® LINEAR

Position black tube into the hole



Scan de QR for more info and a video.

**RECOMMENDED DIMMERS FOR TRIAC 40W DRIVER**

Manufacturer	Model	Q'ty of parallel connection
ABB	6519 U	13
ABB	6526 U	12
JUNG	1224 LED UDE	12
Berker	2861	12
JUNG	254 UDIE 1	13
JUNG	225 TDE	12
EGANT	U321V2	12
Schneider	SBD200LED	12
Schneider	SBD315RC	14
Merten	SBD200LED	12
Berker	2874	12
Eltako	EUD61NPL-230V	10
Eltako	EUD12NPN-UC	10
Eltako	EUD12D-UC	10
Eltako	EUD61NP-230V	10
Eltako	DTD55-230V-wg	10
Eltako	DTD55L-230V-wg	10
GIRA	Universal-LED-Dimmer Mini2440 00	9
EHMANN	LED-Dimmer T46.08	10
JUNG	Drehldimmer Universal LED1731DD	10

Leading Edge Dimmer list only on request -/ or confirmed by KGP Electronics

**\*NFC PSU APP DOWNLOADS / USER MANUALS**

These power supplies can be set with an app. The relevant apps and user manuals can be downloaded via the QR codes below.

**KGP NFC app**



**KGP NFC app user manual**



**TCI NFC app**

**TCI NFC app user manual**