

#### FEATURES

- 3 different sharp beam angles
- Wide variety of TM30 optimized LEDs
- ENEC approved drivers
- IEEE P1789 Flickerfree driver to 1%



Reflector  
LV 45° / 65°



#### SPRINGS

Standard with GS springs (concrete/gyproc).  
Also available as above with  
WS springs (gypro/metal).



Diffuser  
LV 80° (on request for CRI82)

#### COLOURS

Available colours:



Matt white RAL 9016 (XX=MW)  
Matt black RAL 9005 (XX=BL)

## Linea DS-FX 185 LV(-HE)

Fixed

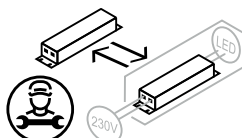
### SPECIFICATIONS

Beam angle (FWHM)	45° / 65° / 80°
Fixture material	Die cast aluminium / Glass
Environment	Indoor
IP rate	IP20 / IP44
IK rate	IK09
Operating temperature (Ta)	-20°C / +45°C <sup>1</sup>
Safety marks	EN60598 / EN62031 / EN62471
EMC compliance	EN55015
Colour consistency (SDCM)	MacAdam step 3
Warranty	7 years * (within the European Union and the countries of the Free Trade Association for products delivered after 1 May 2015)
Energy class	These products contain a light source of energy efficiency class: <b>CRI95 - D (3000K/4000K) &amp; CRI82 - E (3000K) / D (4000K)</b>

This luminaire contains built-in LED lamps. The lamps cannot be changed in the luminaire. EU 874/2012

<sup>1</sup> In applications with a flat roof (fi. car showrooms) the temperatures may exceed 45°C. Please ask our sales office for a special driver.

Ask our sales department about the possibilities for:  
- Tunable white 2700-6500K.



Only when the product is installed in a closed ceiling it may be exposed to water splashes, and only on its front side.

IP20

IP44

## LINEA DS-FX 185 VARIATIONS

Strada 150 LV-HE	CRI95	3000/4000K	3300/3500Lm	incl. power supply	page 3
Strada 150 LV-HE	CRI95	3000/4000K	5000/5300Lm	incl. power supply	page 4
Strada 150 LV-HE	CRI82	3000/4000K	3575/3650Lm	incl. power supply	page 5
Strada 150 LV-HE	CRI82	3000/4000K	5550/5800Lm	incl. power supply	page 6

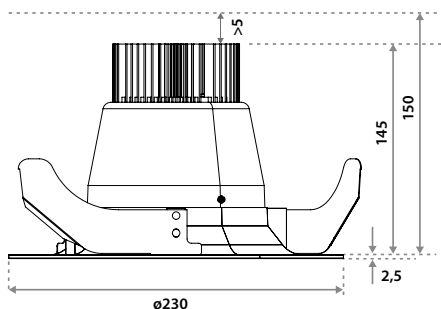
## CRI95 CHOOSE YOUR LV LUMEN OUTPUT

	mA	W	Lumen Output		Lumen / Watt		UGR			Driver types				
			3000K	4000K	3000K	4000K	3000K			No dim	Triac	1-10V&Push	Dali	Casambi
							45°	65°	80°					
Special request	250	9,4	1250	1275	133	136	12.6	15.4	25.6	CC21W150-500	on request	125400	142014	142047
Special request	350	13,3	1725	1750	130	132	13.7	16.6	26.7	145192	EC25CA-E1ZHP	125400	142014	142047
Special request	500	19,4	2400	2500	124	129	14.8	17.7	27.8	145192	EC25CA-E1ZHP	125400	142014	142047
Standard	700	28,0	3300	3500	118	125	15.9	18.8	28.9	145192	EC25CA-E1ZHP	126421	142014	142047
Special request	800	32,5	3725	3950	115	122	16.4	19.2	29.4	145192	on request	151100	142014	142047
Special request	900	37,0	4150	4400	112	119	16.7	19.6	29.7	145192	on request	151100	142014	142047
Special request	1050	44,1	4575	4850	104	110	17.1	20.0	30.1	145192	on request	151100	142014	142047
Standard	1200	51,3	5000	5300	97	103	17.4	20.3	30.4	127690	x	ECO561A	ECO560A	x

## CRI82 CHOOSE YOUR LV LUMEN OUTPUT

	mA	W	Lumen Output		Lumen / Watt		UGR			Driver types				
			3000K	4000K	3000K	4000K	3000K			No dim	Triac	1-10V&Push	Dali	Casambi
							45°	65°						
Special request	250	9.2	1350	1400	147	152	12.8	15.7		CC21W150-500	on request	125400	142014	142047
Special request	350	13.1	1850	1900	141	145	13.9	16.8		145192	EC25CA-E1ZHP	125400	142014	142047
Special request	500	19.4	2525	2600	130	134	15.0	17.9		145192	EC25CA-E1ZHP	125400	142014	142047
Standard	700	27.9	3575	3650	128	131	16.2	19.1		145192	EC25CA-E1ZHP	126421	142014	142047
Special request	800	32.4	3825	4050	118	125	16.5	19.3		145192	on request	151100	142014	142047
Special request	900	36.8	4300	4500	117	122	16.9	19.7		145192	on request	151100	142014	142047
Special request	1050	43.7	4900	5100	112	117	17.3	20.2		145192	on request	151100	142014	142047
Standard	1200	51.2	5550	5800	108	113	17.7	20.6		127690	x	ECO561A	ECO560A	x

## DIMENSIONS



## CUT-OUT



**Using GS springs:** Ø 170-210 mm.  
 Thickness ceiling 8-150 mm & recess depth 150 mm. For plasterboard ceilings or similar harder materials. Turn the ring on the front counterclockwise after installation.



**Using WS springs:** Ø 170-210 mm.  
 Thickness ceiling 1-40 mm & recess depth 150 mm. For soft ceiling tiles we recommend using a wooden plate or a ceiling ring on the reverse side of the tile.

## LINEA DS-FX 185 LV-HE

**CRI95 3300/3500LM**

### ITEM SPECIFICATIONS (PART A)

Description	Item code		UGR	Type	mA	Vf
	GS	WS				
Linea DS-FX LV-HE 3300 Lm 3000K CRI95 45° No dim	1BR703XXJE02	1BR703XXJJ02	15.9	Incl. PSU	700	40,0
Linea DS-FX LV-HE 3300 Lm 3000K CRI95 45° 1-10V & Push	1BR703XXU202	1BR703XXQ202	15.9	Incl. PSU	700	40,0
Linea DS-FX LV-HE 3300 Lm 3000K CRI95 45° Dali	1BR703XXV202	1BR703XXR202	15.9	Incl. PSU	700	40,0
Linea DS-FX LV-HE 3300 Lm 3000K CRI95 65° No dim	1BR703XXJF02	1BR703XXJK02	18.8	Incl. PSU	700	40,0
Linea DS-FX LV-HE 3300 Lm 3000K CRI95 65° 1-10V & Push	1BR703XXU302	1BR703XXQ302	18.8	Incl. PSU	700	40,0
Linea DS-FX LV-HE 3300 Lm 3000K CRI95 65° Dali	1BR703XXV302	1BR703XXR302	18.8	Incl. PSU	700	40,0
Linea DS-FX LV-HE 3300 Lm 3000K CRI95 80° No dim	1BR703XXJN02	1BR703XXZ602	28.9	Incl. PSU	700	40,0
Linea DS-FX LV-HE 3300 Lm 3000K CRI95 80° 1-10V & Push	1BR703XXTA02	1BR703XXV602	28.9	Incl. PSU	700	40,0
Linea DS-FX LV-HE 3300 Lm 3000K CRI95 80° Dali	1BR703XXZ202	1BR703XXR302	28.9	Incl. PSU	700	40,0
Linea DS-FX LV-HE 3500 Lm 4000K CRI95 45° No dim	1BR703XXJG02	1BR703XXJL02	16.1	Incl. PSU	700	40,0
Linea DS-FX LV-HE 3500 Lm 4000K CRI95 45° 1-10V & Push	1BR703XXU402	1BR703XXQ402	16.1	Incl. PSU	700	40,0
Linea DS-FX LV-HE 3500 Lm 4000K CRI95 45° Dali	1BR703XXV402	1BR703XXR402	16.1	Incl. PSU	700	40,0
Linea DS-FX LV-HE 3500 Lm 4000K CRI95 65° No dim	1BR703XXJH02	1BR703XXJM02	19.0	Incl. PSU	700	40,0
Linea DS-FX LV-HE 3500 Lm 4000K CRI95 65° 1-10V & Push	1BR703XXU502	1BR703XXQ502	19.0	Incl. PSU	700	40,0
Linea DS-FX LV-HE 3500 Lm 4000K CRI95 65° Dali	1BR703XXV502	1BR703XXR502	19.0	Incl. PSU	700	40,0
Linea DS-FX LV-HE 3500 Lm 4000K CRI95 80° No dim	1BR703XXJS02	1BR703XXZ802	19.1	Incl. PSU	700	40,0
Linea DS-FX LV-HE 3500 Lm 4000K CRI95 80° 1-10V & Push	1BR703XXTZ02	1BR703XXV802	19.1	Incl. PSU	700	40,0
Linea DS-FX LV-HE 3500 Lm 4000K CRI95 80° Dali	1BR703XXZ402	1BR703XXR802	19.1	Incl. PSU	700	40,0

### ITEM SPECIFICATIONS (PART B)

Description	W	Lm	Lm/W	CRI (typ.)	Pf	Ripple	Inrush current	B-16A Fuse	Safety class	Energy class
Linea DS-FX LV-HE 3300 Lm 3000K CRI95 No dim	28,0	3300	118	95	0.98	<5%	7A 13μS	50 pcs	II	D
Linea DS-FX LV-HE 3300 Lm 3000K CRI95 1-10V & Push	28,0	3300	118	95	0.95	<3%	5A 50μS	50 pcs	II	D
Linea DS-FX LV-HE 3300 Lm 3000K CRI95 Dali	28,0	3300	118	95	0.95	<3%	5A 50μS	50 pcs	II	D
Linea DS-FX LV-HE 3500 Lm 4000K CRI95 No dim	28,0	3500	125	95	0.98	<5%	7A 13μS	50 pcs	II	D
Linea DS-FX LV-HE 3500 Lm 4000K CRI95 1-10V & Push	28,0	3500	125	95	0.95	<3%	5A 50μS	50 pcs	II	D
Linea DS-FX LV-HE 3500 Lm 4000K CRI95 Dali	28,0	3500	125	95	0.95	<3%	5A 50μS	50 pcs	II	D

### ITEM SPECIFICATIONS (PART C)

Description	Weight	Dimensions single carton	Quantity per carton	Expected Lifetime			Reported Lifetime*		
				L70B10	L80B10	L90B10	L70B10	L80B10	L90B10
Linea DS-FX LV-HE CRI95	2005 gr	290x290x165 mm	120 pcs	653.000 hrs	529.000 hrs	465.000 hrs	>105.000 hrs	>105.000 hrs	>105.000 hrs

All values are measured at 230V (+/- 7%). \* Based on 19.000hrs of LM80 testing at 1200mA and a Tc85°C.

**LINEA DS-FX 185 LV-HE**

**CRI95 5000/5300LM**

**ITEM SPECIFICATIONS (PART A)**

Description	Item code		UGR	Type	mA	Vf
	GS	WS				
Linea DS-FX LV-HE 5000 Lm 3000K CRI95 45° No dim	1BR703XXGK02	1BR703XXEK02	17.4	Incl. PSU	1200	42,7
Linea DS-FX LV-HE 5000 Lm 3000K CRI95 45° 1-10V & Push	1BR703XXUU02	1BR703XXQU02	17.4	Incl. PSU	1200	42,7
Linea DS-FX LV-HE 5000 Lm 3000K CRI95 45° Dali	1BR703XXVU02	1BR703XXRU02	17.4	Incl. PSU	1200	42,7
Linea DS-FX LV-HE 5000 Lm 3000K CRI95 65° No dim	1BR703XXGL02	1BR703XXEL02	20.3	Incl. PSU	1200	42,7
Linea DS-FX LV-HE 5000 Lm 3000K CRI95 65° 1-10V & Push	1BR703XXUV02	1BR703XXQV02	20.3	Incl. PSU	1200	42,7
Linea DS-FX LV-HE 5000 Lm 3000K CRI95 65° Dali	1BR703XXVV02	1BR703XXRV02	20.3	Incl. PSU	1200	42,7
Linea DS-FX LV-HE 5000 Lm 3000K CRI95 80° No dim	1BR703XXJP02	1BR703XXZ702	30.4	Incl. PSU	1200	42,7
Linea DS-FX LV-HE 5000 Lm 3000K CRI95 80° 1-10V & Push	1BR703XXTB02	1BR703XXV702	30.4	Incl. PSU	1200	42,7
Linea DS-FX LV-HE 5000 Lm 3000K CRI95 80° Dali	1BR703XXZ302	1BR703XXR702	30.4	Incl. PSU	1200	42,7
Linea DS-FX LV-HE 5300 Lm 4000K CRI95 45° No dim	1BR703XXGM02	1BR703XXEM02	17.6	Incl. PSU	1200	42,7
Linea DS-FX LV-HE 5300 Lm 4000K CRI95 45° 1-10V & Push	1BR703XXUW02	1BR703XXQW02	17.6	Incl. PSU	1200	42,7
Linea DS-FX LV-HE 5300 Lm 4000K CRI95 45° Dali	1BR703XXVW02	1BR703XXRW02	17.6	Incl. PSU	1200	42,7
Linea DS-FX LV-HE 5300 Lm 4000K CRI95 65° No dim	1BR703XXGN02	1BR703XXEN02	20.5	Incl. PSU	1200	42,7
Linea DS-FX LV-HE 5300 Lm 4000K CRI95 65° 1-10V & Push	1BR703XXUX02	1BR703XXQX02	20.5	Incl. PSU	1200	42,7
Linea DS-FX LV-HE 5300 Lm 4000K CRI95 65° Dali	1BR703XXVX02	1BR703XXRX02	20.5	Incl. PSU	1200	42,7
Linea DS-FX LV-HE 5300 Lm 4000K CRI95 80° No dim	1BR703XXJT02	1BR703XXZ902	30.6	Incl. PSU	1200	42,7
Linea DS-FX LV-HE 5300 Lm 4000K CRI95 80° 1-10V & Push	1BR703XXT002	1BR703XXV902	30.6	Incl. PSU	1200	42,7
Linea DS-FX LV-HE 5300 Lm 4000K CRI95 80° Dali	1BR703XXZ502	1BR703XXR902	30.6	Incl. PSU	1200	42,7

**ITEM SPECIFICATIONS (PART B)**

Description	W	Lm	Lm/W	CRI (typ.)	Pf	Ripple	Inrush current	B-16A Fuse	Safety class	Energy class
Linea DS-FX LV-HE 5000 Lm 3000K CRI95 No dim	51,3	5000	97	95	0.95	<3%	5A 50µs	50 pcs	II	D
Linea DS-FX LV-HE 5000 Lm 3000K CRI95 1-10V & Push	51,3	5000	97	95	0.95	<3%	100mA²s	22 pcs	II	D
Linea DS-FX LV-HE 5000 Lm 3000K CRI95 Dali	51,3	5000	97	95	0.95	<3%	100mA²s	22 pcs	II	D
Linea DS-FX LV-HE 5300 Lm 4000K CRI95 No dim	51,3	5300	103	95	0.95	<3%	5A 50µs	50 pcs	II	D
Linea DS-FX LV-HE 5300 Lm 4000K CRI95 1-10V & Push	51,3	5300	103	95	0.95	<3%	100mA²s	22 pcs	II	D
Linea DS-FX LV-HE 5300 Lm 4000K CRI95 Dali	51,3	5300	103	95	0.95	<3%	100mA²s	22 pcs	II	D

**ITEM SPECIFICATIONS (PART C)**

Description	Weight	Dimensions single carton	Quantity per carton	Expected Lifetime			Reported Lifetime*		
				L70B10	L80B10	L90B10	L70B10	L80B10	L90B10
Linea DS-FX LV-HE CRI95	2005 gr	290x290x165 mm	120 pcs	653.000 hrs	529.000 hrs	465.000 hrs	>105.000 hrs	>105.000 hrs	>105.000 hrs

All values are measured at 230V (+/- 7%). \* Based on 19.000hrs of LM80 testing at 1200mA and a Tc85°C.

**LINEA DS-FX 185 LV-HE**

**CRI82 3575/3650LM**

**ITEM SPECIFICATIONS (PART A)**

Description	Item code		UGR	Type	mA	Vf
	GS	WS				
Linea DS-FX LV-HE 3575 Lm 3000K CRI82 45° No dim	1BN703XXJE02	1BN703XXJJ02	16.2	Incl. PSU	700	35,3
Linea DS-FX LV-HE 3575 Lm 3000K CRI82 45° 1-10V & Push	1BN703XXU202	1BN703XXQ202	16.2	Incl. PSU	700	35,3
Linea DS-FX LV-HE 3575 Lm 3000K CRI82 45° Dali	1BN703XXV202	1BN703XXR202	16.2	Incl. PSU	700	35,3
Linea DS-FX LV-HE 3575 Lm 3000K CRI82 65° No dim	1BN703XXJF02	1BN703XXJK02	19.1	Incl. PSU	700	35,3
Linea DS-FX LV-HE 3575 Lm 3000K CRI82 65° 1-10V & Push	1BN703XXU302	1BN703XXQ302	19.1	Incl. PSU	700	35,3
Linea DS-FX LV-HE 3575 Lm 3000K CRI82 65° Dali	1BN703XXV302	1BN703XXR302	19.1	Incl. PSU	700	35,3
Linea DS-FX LV-HE 3650 Lm 4000K CRI82 45° No dim	1BN703XXJG02	1BN703XXJL02	16.3	Incl. PSU	700	35,3
Linea DS-FX LV-HE 3650 Lm 4000K CRI82 45° 1-10V & Push	1BN703XXU402	1BN703XXQ402	16.3	Incl. PSU	700	35,3
Linea DS-FX LV-HE 3650 Lm 4000K CRI82 45° Dali	1BN703XXV402	1BN703XXR402	16.3	Incl. PSU	700	35,3
Linea DS-FX LV-HE 3650 Lm 4000K CRI82 65° No dim	1BN703XXJH02	1BN703XXJM02	19.2	Incl. PSU	700	35,3
Linea DS-FX LV-HE 3650 Lm 4000K CRI82 65° 1-10V & Push	1BN703XXU502	1BN703XXQ502	19.2	Incl. PSU	700	35,3
Linea DS-FX LV-HE 3650 Lm 4000K CRI82 65° Dali	1BN703XXV502	1BN703XXR502	19.2	Incl. PSU	700	35,3

**ITEM SPECIFICATIONS (PART B)**

Description	W	Lm	Lm/W	CRI (typ.)	Pf	Ripple	Inrush current	B-16A Fuse	Safety class	Energy class
Linea DS-FX LV-HE 3575 Lm 3000K CRI82 No dim	27,9	3575	128	82	0.98	<5%	7A 13µS	50 pcs	II	E
Linea DS-FX LV-HE 3575 Lm 3000K CRI82 1-10V & Push	27,9	3575	128	82	0.95	<3%	5A 50µS	50 pcs	II	E
Linea DS-FX LV-HE 3575 Lm 3000K CRI82 Dali	27,9	3575	128	82	0.95	<3%	5A 50µS	50 pcs	II	E
Linea DS-FX LV-HE 3650 Lm 4000K CRI82 No dim	27,9	3650	131	82	0.98	<5%	7A 13µS	50 pcs	II	D
Linea DS-FX LV-HE 3650 Lm 4000K CRI82 1-10V & Push	27,9	3650	131	82	0.95	<3%	5A 50µS	50 pcs	II	D
Linea DS-FX LV-HE 3650 Lm 4000K CRI82 Dali	27,9	3650	131	82	0.95	<3%	5A 50µS	50 pcs	II	D

**ITEM SPECIFICATIONS (PART C)**

Description	Weight	Dimensions single carton	Quantity per carton	Expected Lifetime			Reported Lifetime*		
				L70B10	L80B10	L90B10	L70B10	L80B10	L90B10
Linea DS-FX LV-HE CRI82	2005 gr	290x290x165 mm	120 pcs	653.000 hrs	529.000 hrs	465.000 hrs	>105.000 hrs	>105.000 hrs	>105.000 hrs

All values are measured at 230V (+/- 7%). \* Based on 19.000hrs of LM80 testing at 1200mA and a Tc85°C.

**LINEA DS-FX 185 LV-HE**

**CRI82 5550/5800LM**

**ITEM SPECIFICATIONS (PART A)**

Description	Item code		UGR	Type	mA	Vf
	GS	WS				
Linea DS-FX LV-HE 5550 Lm 3000K CRI82 45° No dim	1BN703XXGK02	1BN703XXEK02	17.7	Incl. PSU	1200	37,5
Linea DS-FX LV-HE 5550 Lm 3000K CRI82 45° 1-10V & Push	1BN703XXUU02	1BN703XXQU02	17.7	Incl. PSU	1200	37,5
Linea DS-FX LV-HE 5550 Lm 3000K CRI82 45° Dali	1BN703XXVU02	1BN703XXRU02	17.7	Incl. PSU	1200	37,5
Linea DS-FX LV-HE 5550 Lm 3000K CRI82 65° No dim	1BN703XXGL02	1BN703XXEL02	20.6	Incl. PSU	1200	37,5
Linea DS-FX LV-HE 5550 Lm 3000K CRI82 65° 1-10V & Push	1BN703XXUV02	1BN703XXQV02	20.6	Incl. PSU	1200	37,5
Linea DS-FX LV-HE 5550 Lm 3000K CRI82 65° Dali	1BN703XXVU02	1BN703XXRV02	20.6	Incl. PSU	1200	37,5
Linea DS-FX LV-HE 5800 Lm 4000K CRI82 45° No dim	1BN703XXGM02	1BN703XXEM02	17.9	Incl. PSU	1200	37,5
Linea DS-FX LV-HE 5800 Lm 4000K CRI82 45° 1-10V & Push	1BN703XXUW02	1BN703XXQW02	17.9	Incl. PSU	1200	37,5
Linea DS-FX LV-HE 5800 Lm 4000K CRI82 45° Dali	1BN703XXVW02	1BN703XXRW02	17.9	Incl. PSU	1200	37,5
Linea DS-FX LV-HE 5800 Lm 4000K CRI82 65° No dim	1BN703XXGN02	1BN703XXEN02	20.8	Incl. PSU	1200	37,5
Linea DS-FX LV-HE 5800 Lm 4000K CRI82 65° 1-10V & Push	1BN703XXUX02	1BN703XXQX02	20.8	Incl. PSU	1200	37,5
Linea DS-FX LV-HE 5800 Lm 4000K CRI82 65° Dali	1BN703XXVX02	1BN703XXRX02	20.8	Incl. PSU	1200	37,5

**ITEM SPECIFICATIONS (PART B)**

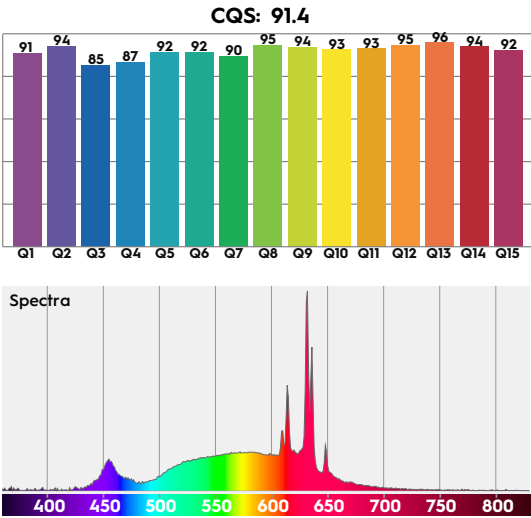
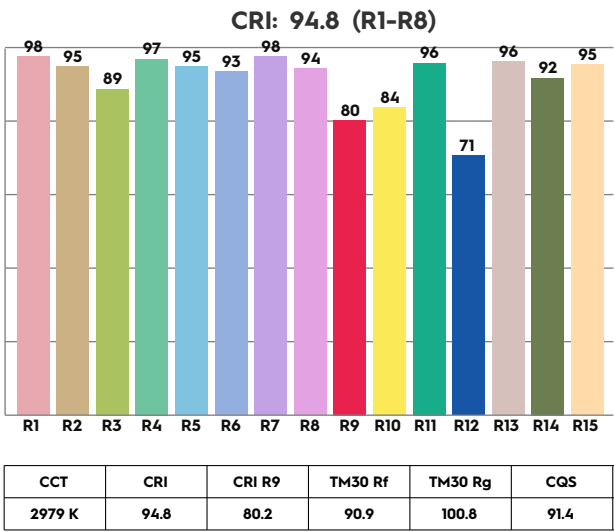
Description	W	Lm	Lm/W	CRI (typ.)	Pf	Ripple	Inrush current	B-16A Fuse	Safety class	Energy class
Linea DS-FX LV-HE 5550 Lm 3000K CRI82 No dim	51,2	5550	108	82	0.95	<3%	5A 50µs	50 pcs	II	E
Linea DS-FX LV-HE 5550 Lm 3000K CRI82 1-10V & Push	51,2	5550	108	82	0.95	<3%	100mA²s	22 pcs	II	E
Linea DS-FX LV-HE 5550 Lm 3000K CRI82 Dali	51,2	5550	108	82	0.95	<3%	100mA²s	22 pcs	II	E
Linea DS-FX LV-HE 5800 Lm 4000K CRI82 No dim	51,2	5800	113	82	0.95	<3%	5A 50µs	50 pcs	II	D
Linea DS-FX LV-HE 5800 Lm 4000K CRI82 1-10V & Push	51,2	5800	113	82	0.95	<3%	100mA²s	22 pcs	II	D
Linea DS-FX LV-HE 5800 Lm 4000K CRI82 Dali	51,2	5800	113	82	0.95	<3%	100mA²s	22 pcs	II	D

**ITEM SPECIFICATIONS (PART C)**

Description	Weight	Dimensions single carton	Quantity per carton	Expected Lifetime			Reported Lifetime*		
				L70B10	L80B10	L90B10	L70B10	L80B10	L90B10
Linea DS-FX LV-HE CRI82	2005 gr	290x290x165 mm	120 pcs	653.000 hrs	529.000 hrs	465.000 hrs	>105.000 hrs	>105.000 hrs	>105.000 hrs

All values are measured at 230V (+/- 7%). \* Based on 19.000hrs of LM80 testing at 1200mA and a Tc85°C.

3000K



4000K

