

REWARDING BRIGHTNESS

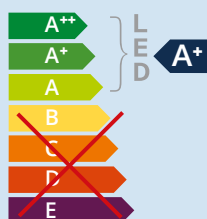


Downlights

Linea DS-FS 120 MLMC Fixed

Specifications

Colour white	Matte white RAL 9016 (XX=MW)
Colour black	Matte black RAL 9005 (XX=BL)
Beam angle (FWHM)	18° / 37° / 60°
UGR (4H8H 70/50/20)	<19 (18° + 37°)
Fixture material	Diecast aluminium / Metal
Environment	Indoor, cove lighting
IP rate	IP20 / IP44
IK rate	IK02
Operating temperature (Ta)	-20°C / +45°C
Safety marks	EN60598 / EN62031 / EN62471
EMC compliance	EN55015
Warranty	7 Years


 This luminaire contains
built-in LED lamps

 The lamps cannot be changed in
the luminaire.


874/2012



130 mm



120-135 mm



130 mm: For soft ceiling tiles. We recommend using a wooden plate or a ceiling ring on the reverse side of the tile.
120-135 mm: For plasterboard ceilings or similar harder materials.

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

REWARDING BRIGHTNESS

Item specifications

Description	Item code	Type	Energy class	Safety class	Weight	Dimensions single carton	Quantity per carton
Linea DS-FS MLMC 5700 Lm 4000K CRI80	282003XXYYE2	Excl. PSU	A+	III	524 gr	185x185x160 mm	12 pcs
Linea DS-FS MLMC 5000 Lm 3000K CRI80	282003XXYYE2	Excl. PSU	A+	III	524 gr	185x185x160 mm	12 pcs
Linea DS-FS MLMC 3750 Lm 3000K CRI96	282003XXYYE2	Excl. PSU	A+	III	524 gr	185x185x160 mm	12 pcs

Lumen settings

DS-FS 5700 LM 4000 K CRI 80

Item code	mA	V	W	Lm	Lm/W	PF	CRI (typ.)	Expected lifespan (25°C)			UGR		
								L70B50	L80B50	L90B50	18°	37°	60°
Special request	900	35,3	30,9	3850	125	x	82	131.000 hrs	80.000 hrs	35.000 hrs	15.8	16.8	21.3
Special request	1050	35,8	36,3	4400	121	x	82	129.000 hrs	78.000 hrs	33.000 hrs	16.3	17.3	21.7
Special request	1200	36,4	42,2	5000	118	x	82	129.000 hrs	78.000 hrs	33.000 hrs	16.7	17.8	22.2
282003XXYYE2	1400	37,5	49,8	5700	114	x	82	129.000 hrs	78.000 hrs	33.000 hrs	17.2	18.2	22.6

XX= Matt white (MW) / Black (BL),

YY= 18° (CU), 37° (CV), 60° (CW)

DS-FS 5000 LM 3000 K CRI 80

Item code	mA	V	W	Lm	Lm/W	PF	CRI (typ.)	Expected lifespan (25°C)			UGR		
								L70B50	L80B50	L90B50	18°	37°	60°
Special request	900	35,3	30,9	3400	110	x	82	131.000 hrs	80.000 hrs	35.000 hrs	15.4	16.4	20.8
Special request	1050	35,8	36,3	3750	103	x	82	129.000 hrs	78.000 hrs	33.000 hrs	15.7	16.8	21.2
Special request	1200	36,4	42,2	4250	101	x	82	129.000 hrs	78.000 hrs	33.000 hrs	16.1	17.2	21.6
282003XXYYE2	1400	37,5	49,8	5000	100	x	82	129.000 hrs	78.000 hrs	33.000 hrs	17.7	17.8	22.2

XX= Matt white (MW) / Black (BL),

YY= 18° (CR), 37° (CS), 60° (CT)

DS-FS 3750 LM 3000 K CRI 96

Item code	mA	V	W	Lm	Lm/W	PF	CRI (typ.)	Expected lifespan (25°C)			UGR		
								L70B50	L80B50	L90B50	18°	37°	60°
Special request	900	35,3	30,9	2600	84	x	96	131.000 hrs	80.000 hrs	35.000 hrs	14.6	15.6	20.0
Special request	1050	35,8	36,3	2900	80	x	96	129.000 hrs	78.000 hrs	33.000 hrs	14.9	16.0	20.4
Special request	1200	36,4	42,2	3250	77	x	96	129.000 hrs	78.000 hrs	33.000 hrs	15.2	16.3	20.7
282003XXYYE2	1400	37,5	49,8	3750	75	x	96	129.000 hrs	78.000 hrs	33.000 hrs	15.7	16.8	21.2

XX= Matt white (MW) / Black (BL),

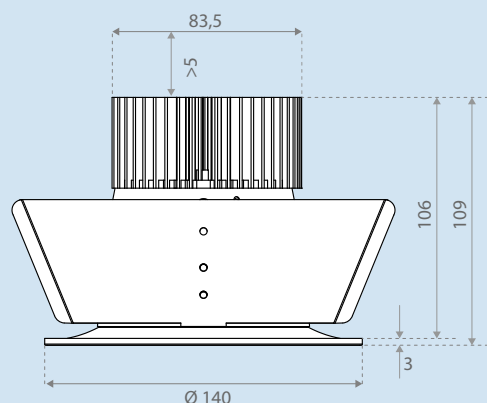
YY= 18° (FD), 37° (FE), 60° (FF)

Choose your power supply

Lamp current	Lamp Wattage	Lumen Output			Lumen / Watt			DALI Ripple < 3%	1-10V Ripple < 3%	NO DIM Ripple < 3%	NO DIM Ripple < 20%
		CRI80	CRI80	CRI96	CRI80	CRI80	CRI96				
		3000K	4000K	3000K	3000K	4000K	3000K				
900 mA	30,9	3400	3850	2600	110	125	84	05CJ ²	05CT ²	05CY ²	05CF ²
1050 mA	36,3	3750	4400	2900	103	121	80	05CZ ¹	05CT ¹	05CY ¹	05CL ¹
1200 mA	42,2	4250	5000	3250	101	118	77	05CQ ²	05CQ ²	05CP ²	x
1400 mA	49,8	5000	5700	3750	100	114	75	05CQ ²	05CQ ²	05CP ²	x

¹ Standard setting. ² Can be set during installation by adjusting DIP-switch settings.

Dimensions



Extra option

LEDs from the LUXEON Stylist Series
Specially developed for shops specialised in fashion or fresh food, and for restaurants. Ask our sales department about the possibilities.



LUMILEDS



Item specifications

Description	Item code	Type	Energy class	Safety class	Weight	Dimensions single carton	Quantity per carton
Linea DS-FS 3400 Lm 4000K CRI80	282003XXYYE2	Excl. PSU	A+	III	524 gr	185x185x160 mm	12 pcs
Linea DS-FS 3000 Lm 3000K CRI80	282003XXYYE2	Excl. PSU	A+	III	524 gr	185x185x160 mm	12 pcs
Linea DS-FS 2500 Lm 3000K CRI96	282003XXYYE2	Excl. PSU	A+	III	524 gr	185x185x160 mm	12 pcs

Lumen settings

DS-FS 3400 LM 4000 K CRI 80

Item code	mA	V	W	Lm	Lm/W	PF	CRI	Expected lifespan (25°C)			UGR		
								L70B50	L80B50	L90B50	18°	37°	60°
Special request	350	33,0	11,5	1650	143	x	82	134.000 hrs	82.000 hrs	37.000 hrs	15,9	15,3	18,4
Special request	500	33,6	15,6	2200	141	x	82	134.000 hrs	82.000 hrs	37.000 hrs	16,9	16,4	19,4
Special request	700	34,5	23,5	3150	134	x	82	134.000 hrs	82.000 hrs	37.000 hrs	18,1	17,6	20,6
282003XXYYE2	800	35,3	27,9	3400	122	x	82	131.000 hrs	80.000 hrs	35.000 hrs	18,1	17,6	20,9

XX= Matt white (MW) / Black (BL),

YY= 18° (CD), 37° (CE), 60° (CF)

DS-FS 3000 LM 3000 K CRI 80

Item code	mA	V	W	Lm	Lm/W	PF	CRI	Expected lifespan (25°C)			UGR		
								L70B50	L80B50	L90B50	18°	37°	60°
Special request	350	33,0	11,5	1500	130	x	82	134.000 hrs	82.000 hrs	37.000 hrs	15,7	15,0	18,0
Special request	500	33,6	15,6	2000	128	x	82	134.000 hrs	82.000 hrs	37.000 hrs	16,5	16,0	19,0
Special request	700	34,5	23,5	2700	115	x	82	134.000 hrs	82.000 hrs	37.000 hrs	17,6	17,1	20,1
282003XXYYE2	800	35,3	27,9	3000	108	x	82	131.000 hrs	80.000 hrs	35.000 hrs	17,9	17,4	20,4

XX= Matt white (MW) / Black (BL),

YY= 18° (CA), 37° (CB), 60° (CC)

DS-FS 2500 LM 3000 K CRI 96

Item code	mA	V	W	Lm	Lm/W	PF	CRI	Expected lifespan (25°C)			UGR		
								L70B50	L80B50	L90B50	18°	37°	60°
Special request	350	33,0	11,5	1100	96	x	96	134.000 hrs	82.000 hrs	37.000 hrs	14,5	14	17,1
Special request	500	33,6	15,6	1450	93	x	96	134.000 hrs	82.000 hrs	37.000 hrs	15,4	14,9	17,9
Special request	700	34,5	23,5	2150	91	x	96	134.000 hrs	82.000 hrs	37.000 hrs	16,8	16,3	19,3
282003XXYYE2	800	35,3	27,9	2500	90	x	96	131.000 hrs	80.000 hrs	35.000 hrs	17,3	16,8	19,8

XX= Matt white (MW) / Black (BL),

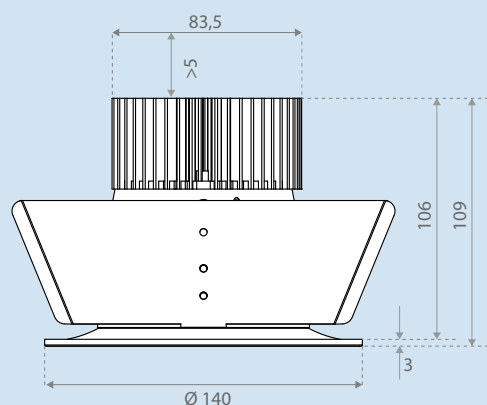
YY= 18° (CG), 37° (CH), 60° (CJ)

Choose your power supply

Lamp current	Lamp Wattage	Lumen Output			Lumen / Watt			DALI Ripple < 3%	1-10V Ripple < 3%	NO DIM Ripple < 3%	NO DIM Ripple < 20%
		CRI80	CRI80	CRI96	CRI80	CRI80	CRI96				
		3000K	4000K	3000K	3000K	4000K	3000K				
350 mA	11,5	1500	1650	1100	130	143	96	05CJ ²	05CT ²	05CW ²	05CV ²
500 mA	15,6	2000	2200	1450	128	141	93	05CJ ²	05CT ²	05CW ²	05CV ²
700 mA	23,5	2700	3150	2150	115	134	91	05CJ ¹	05CT ²	05BZ ¹	05CV ¹
800 mA	27,9	3000	3400	2500	108	122	90	05CJ ²	05CT ²	05CY ²	05CF ²

¹ Standard setting. ² Can be set during installation by adjusting DIP-switch settings.

Dimensions



Extra option

LEDs from the LUXEON Stylist Series
Specially developed for shops specialised in fashion or fresh food, and for restaurants. Ask our sales department about the possibilities.



PSU item specifications (part A)

Description	Item code	Watt	Stroom	Type
PSU 05CW 20W 700mA no-dim	05CW03MLMC00	20W (36V)	350/500/700mA	No-dim
PSU 05CF 32W 700mA no-dim & ripple<20%	05CF03MLMC00	32W (32V)	700/900/1000mA	No-dim
PSU 05CL 50W 1050mA no-dim & ripple<20%	05CL03MLMC00	50W (48V)	700/900/1050mA	No-dim
PSU 05CV 26W 700mA no-dim	05CV03MLMC00	26W (37V)	350/500/700mA	No-dim
PSU 05CJ 32W 700mA Dali	05CJ03MLMC00	32W (46V)	350/500/700/900mA	DALI
PSU 05CT 39W 1050mA 1-10V	05CT03MLMC00	39W (37V)	700/900/1050mA	1-10V
PSU 05BZ 42W 700mA no-dim	05BZ03MLMC00	42W (40V)	350/500/700mA	No-dim
PSU 05CY 42W 1050mA no-dim	05CY03MLMC00	42W (40V)	700/900/1050mA	No-dim
PSU 05CZ 40W 1050mA Dali	05CZ03MLMC00	40W (38V)	700/900/1050mA	DALI
PSU 05CP 55W 1400mA no-dim	05CP03MLMC00	55W (39V)	1200/1400mA	No-dim
PSU 05CQ 55W 1400mA 1-10V & Dali & Push	05CQ03MLMC00	55W (39V)	1200/1400mA	DALI & 1-10V & Push

(part B)

Description	Efficiency	Pf	Ripple	Input Voltage	Dimensions	Weight	Inrush current	B-16A Fuse
PSU 05CW 20W 700mA no-dim	87%	0.93	<3%	220-240V	110x52x22 mm	108 gr	5A 50μS	50 pcs
PSU 05CF 32W 700mA no-dim & ripple<20%	89%	0.95	<20%	220-240V	166x46x34 mm	109 gr	5A 50μS	50 pcs
PSU 05CL 50W 1050mA no-dim & ripple<20%	90%	0.95	<20%	220-240V	160x83x35 mm	184 gr	5A 50μS	50 pcs
PSU 05CV 26W 700mA no-dim	89%	0.95	<20%	220-240V	130x42x30 mm	109 gr	5A 50μS	50 pcs
PSU 05CJ 32W 700mA Dali	87%	0.98	<3%	220-240V	103x67x21 mm	138 gr	5A 50μS	50 pcs
PSU 05CT 39W 1050mA 1-10V	90%	0.95	<3%	220-240V	103x67x21 mm	138 gr	5A 50μS	50 pcs
PSU 05BZ 42W 700mA no-dim	90%	0.95	<3%	220-240V	130x42x30 mm	132 gr	5A 50μS	50 pcs
PSU 05CY 42W 1050mA no-dim	90%	0.95	<3%	220-240V	130x42x30 mm	132 gr	5A 50μS	50 pcs
PSU 05CZ 40W 1050mA Dali	89%	0.95	<3%	220-240V	124x79x22 mm	150 gr	20A 400μS	50 pcs
PSU 05CP 55W 1400mA no-dim	90%	0.98	<3%	220-240V	173x83x35 mm	284 gr	10A 200μS	20 pcs
PSU 05CQ 55W 1400mA 1-10V & Dali & Push	89%	0.98	<3%	220-240V	173x83x35 mm	284 gr	10A 200μS	20 pcs

The power supply units will be delivered including yellow TE plug at the secondary side.



REWARDING BRIGHTNESS



Emergency packs (including Wieland plug A)

In the event of power outage, the Battery Pack will power the LED Luminaire at a reduced (1/4) light level for at least 1 or 3 hours.
The typical installation distance between LED luminaires with Emergency Packs averages 8-10m.

Light output



Description	Emergency Pack 1 Hr	Emergency Pack 3 Hrs
Pole	GST18 - 4P	GST18 - 4P
Light Output	1250 Lm = 60% of original output	1250 Lm = 50% of original output
	2000 Lm = 52% of original output	2000 Lm = 42% of original output
	3000 Lm = 38% of original output	3000 Lm = 28% of original output
	4000 Lm = 24% of original output	4000 Lm = 14% of original output

Accessory

A Female Plug is available for connection to a 1,5 mm² installation cable.

Installation



Description	HV GST18 - 4P Female
Pole	GST18 - 4P Female
Item Code	P03-201049BL

Location of the Battery Indicator LED

