

REWARDING BRIGHTNESS

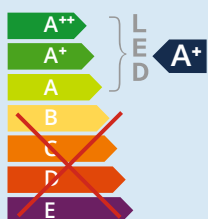


Downlights

Linea DS-FS 120 MLMC
Fixed

Specifications

Colour white	Matt white RAL 9016 (XX=MW)
Colour black	Matt black RAL 9005 (XX=BL)
Beam angle (FWHM)	18° / 37° / 60°
UGR (4H8H 70/50/20)	<19 (18° + 37°)
Fixture material	Die cast aluminium
Environment	Indoor
IP rate	IP20 / IP44
IK rate	IK03
Operating temperature (Ta)	-20°C / +45°C
Safety marks	EN60598 / EN62031 / EN62471
EMC compliance	EN55015
Colour consistency (SDCM)	MacAdam step 3
Warranty	7 Years



This luminaire contains built-in LED lamps

The lamps cannot be changed in the luminaire.

874/2012



120-130 mm: For soft ceiling tiles. We recommend using a ceiling ring on the reverse side of the tile.
120mm: For plasterboard ceilings or similar harder materials thicker than 10 mm.

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

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Item specifications (part A)

Description	18°	37°	60°	Type	mA
	Item code	Item code	Item code		
Linea DS-FS MLMC 3000 Lm 3000K CRI80	282003XXCAE2	282003XXCBE2	282003XXCCE2	Excl. PSU	800
Linea DS-FS MLMC 2500 Lm 3000K CRI96	282003XXCGE2	282003XXCHE2	282003XXCJE2	Excl. PSU	800
Linea DS-FS MLMC 3400 Lm 4000K CRI80	282003XXCDE2	282003XXCEE2	282003XXCFE2	Excl. PSU	800

Item specifications (part B)

Description	W	Lm	Lm/W	CRI (typ.)	Pf	Ripple	Inrush current	B-16A Fuse	Safety class	Energy class
Linea DS-FS MLMC 3000 Lm 3000K CRI80	27,9	3000	108	82	x	x	x	x	III	A+
Linea DS-FS MLMC 2500 Lm 3000K CRI96	27,9	2500	90	96	x	x	x	x	III	A+
Linea DS-FS MLMC 3400 Lm 4000K CRI80	27,9	3400	122	82	x	x	x	x	III	A+

Item specifications (part C)

Description	Weight	Dimensions single carton	Quantity per carton	Expected lifespan (25°C)		
				L70B50	L80B50	L90B50
Linea DS-FS MLMC 3000 Lm 3000K CRI80	524 gr	185x185x160 mm	12 pcs	129.000 hrs	78.000 hrs	33.000 hrs
Linea DS-FS MLMC 2500 Lm 3000K CRI96	524 gr	185x185x160 mm	12 pcs	129.000 hrs	78.000 hrs	33.000 hrs
Linea DS-FS MLMC 3400 Lm 4000K CRI80	524 gr	185x185x160 mm	12 pcs	129.000 hrs	78.000 hrs	33.000 hrs

UGR

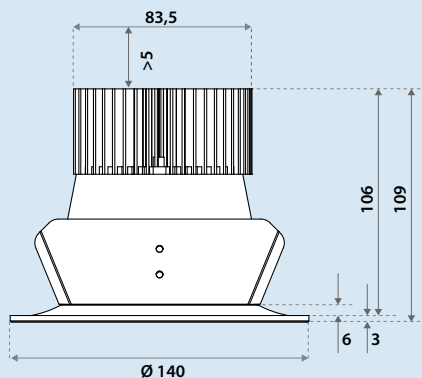
	mA	V	W	UGR								
				CRI80 3000K 3000Lm			CRI96 3000K 2500Lm			CRI80 4000K 3400Lm		
				18°	37°	60°	18°	37°	60°	18°	37°	60°
<i>Special request</i>	350	33,0	11,5	15,7	15,0	18,0	14,5	14	17,1	15,9	15,3	18,4
<i>Special request</i>	500	33,6	15,6	16,5	16,0	19,0	15,4	14,9	17,9	16,9	16,4	19,4
<i>Special request</i>	700	34,5	23,5	17,6	17,1	20,1	16,8	16,3	19,3	18,1	17,6	20,6
Standard	800	35,3	27,9	17,9	17,4	20,4	17,3	16,8	19,8	18,1	17,6	20,9

Choose your power supply

	mA	V	W	Lumen Output			Lumen / Watt			DALI Ripple < 3%	1-10V & Push Ripple < 3%	NO DIM Ripple < 3%	NO DIM Ripple < 20%
				CRI80 3000K	CRI96 3000K	CRI80 4000K	CRI80 3000K	CRI96 3000K	CRI80 4000K				
				<i>Special request</i>	350	33,0	11,5	1500	1100				
<i>Special request</i>	500	33,6	15,6	2000	1450	2200	128	93	141	05CJ ²	05CT ²	05HA ²	x
<i>Special request</i>	700	34,5	23,5	2700	2150	3150	115	91	134	05CJ ¹	05CT ²	05HA ¹	x
Standard	800	35,3	27,9	3000	2500	3400	108	90	122	05CZ ²	x	05CY ²	05CF ²

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

Dimensions



For the DS-FS with concrete springs and gyproc springs a minimum ceiling thickness of 9 mm is required. For thinner ceilings (<9 mm) ask our sales department.

Extra LED options

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.



Ask our sales department about the possibilities.

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Item specifications (part A)

Description	18°	37°	60°	Type	mA
	Item code	Item code	Item code		
Linea DS-FS MLMC 5000 Lm 3000K CRI80	282003XXCRE2	282003XXCSE2	282003XXCTE2	Excl. PSU	1400
Linea DS-FS MLMC 3750 Lm 3000K CRI96	282003XXFDE2	282003XXFEE2	282003XXFFE2	Excl. PSU	1400
Linea DS-FS MLMC 5700 Lm 4000K CRI80	282003XXCUE2	282003XXCVE2	282003XXCWE2	Excl. PSU	1400

Item specifications (part B)

Description	W	Lm	Lm/W	CRI (typ.)	Pf	Ripple	Inrush current	B-16A Fuse	Safety class	Energy class
Linea DS-FS MLMC 5000 Lm 3000K CRI80	49,8	5000	100	82	x	x	x	x	III	A+
Linea DS-FS MLMC 3750 Lm 3000K CRI96	49,8	3750	75	96	x	x	x	x	III	A+
Linea DS-FS MLMC 5700 Lm 4000K CRI80	49,8	5700	114	82	x	x	x	x	III	A+

Item specifications (part C)

Description	Weight	Dimensions single carton	Quantity per carton	Expected lifespan (25°C)		
				L70B50	L80B50	L90B50
Linea DS-FS MLMC 5000 Lm 3000K CRI80	524 gr	185x185x160 mm	12 pcs	129.000 hrs	78.000 hrs	33.000 hrs
Linea DS-FS MLMC 3750 Lm 3000K CRI96	524 gr	185x185x160 mm	12 pcs	129.000 hrs	78.000 hrs	33.000 hrs
Linea DS-FS MLMC 5700 Lm 4000K CRI80	524 gr	185x185x160 mm	12 pcs	129.000 hrs	78.000 hrs	33.000 hrs

UGR

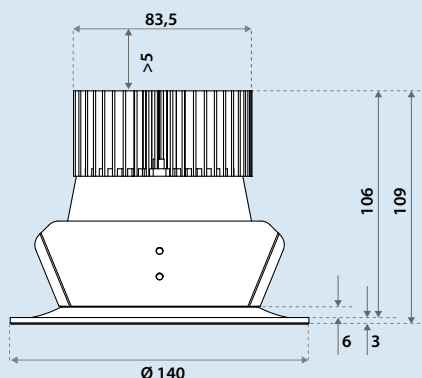
	mA	V	W	UGR								
				CRI80 3000K 5000Lm			CRI96 3000K 3750Lm			CRI80 4000K 5700Lm		
				18°	37°	60°	18°	37°	60°	18°	37°	60°
<i>Special request</i>	900	35,3	30,9	15,4	16,4	20,8	14,6	15,6	20,0	15,8	16,8	21,3
<i>Special request</i>	1050	35,8	36,3	15,7	16,8	21,2	14,9	16,0	20,4	16,3	17,3	21,7
<i>Special request</i>	1200	36,4	42,2	16,1	17,2	21,6	15,2	16,3	20,7	16,7	17,8	22,2
Standard	1400	37,5	49,8	17,7	17,8	22,2	15,7	16,8	21,2	17,2	18,2	22,6

Choose your power supply

	mA	V	W	Lumen Output			Lumen / Watt			DALI Ripple < 3%	1-10V & Push Ripple < 3%	NO DIM Ripple < 3%	NO DIM Ripple < 20%
				CRI80 3000K	CRI96 3000K	CRI80 4000K	CRI80 3000K	CRI96 3000K	CRI80 4000K				
				<i>Special request</i>	900	35,3	30,9	3400	2600				
<i>Special request</i>	1050	35,8	36,3	3750	2900	4400	103	80	121	05CZ ¹	05CT ¹	05CY ¹	05CL ¹
<i>Special request</i>	1200	36,4	42,2	4250	3250	5000	101	77	118	05CQ ²	05CQ ²	05CP ²	x
Standard	1400	37,5	49,8	5000	3750	5700	100	75	114	05CQ ²	05CQ ²	05CP ²	x

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

Dimensions



For the DS-FS with concrete springs and gyproc springs a minimum ceiling thickness of 9 mm is required. For thinner ceilings (<9 mm) ask our sales department.

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