

FUSI series

New Collection 2022

Our company, established in December 1991, specialized in developing and manufacturing electronic products including energy saving lamps, transformers and ballasts.

Since 2010, Ledeshi has cooperated with a strong partner NPK design agency in the Netherlands and has succeeded in adding new innovative designs with new functionality to the products series every year, producing premium quality and performance LED luminaries and distributing them to more than 30 countries around the world.

Today, we had built a completely first-class assembly line and in-house laboratory, we intended to develop premium LED architectural lighting for the next decade.

Ledeshi

NPK Design is one of the most valued international design agencies in the Netherlands with more than 40 years of experience.

Strategic advice, industrial design, service design, graphic design and projects in the public domain, as well as supply management are part of parcel of the service provided.

n p k | design

FUSI

idea sketches



Concept development



FUSI

Designed and engineered in Netherlands

New Fusi Family

The series in typical modular design. The main Fusi light module are all universally used for a wide range of different luminaires and varied in applications for high-end residential, hospitality, retail and offices.

In addition, the combination of light quality, materials and functionality to this Fusi family delivers an outstanding luminaire, making it can be used for multiple applications in various architectural projects.

Carefully selecting designed two optics that assist in further reducing glare to create a better visual comfort when looking across a space.

Available in three typical Ledeshi colours and multiple colour temperatures.

Designed by NPK Design. Manufactured and managed by Ledeshi.

5 years warranty

Fusi family

Spotlight



Single beam

semi-recessed

surface-mounted

track-mounted



Double beam

semi-recessed

surface-mounted

track-mounted

Wall light



single beam

double beam

FUSI 46 SPOT UNO

Miniaturised, contemporary and single beam ceiling spotlight designed for indoor use and multiple applications;

Luminarie bodies made of die cast aluminium;

Ceiling arm adjustable system allows 90° tiltable and 355° rotatable;

Interchangeable lenses make it has 4 beam angle options from 15° to 50°;

Control gear with on-board 2 steps selection;

Available in three finishes: white (RAL9016), black (RAL9005) and gold (RAL270-M).



Semi-Recessed



Surface-Mounted



Track-Mounted

Specification

Input Voltage(V)	220-240 V AC	Beam Angle (°)	15/24/36/50
Input Current(mA)	35 / 50	CRI	> 90
Power (W)	8 / 11	SDCM	< 3
		UGR	< 13
Control Option	SWT/DIM/DL6	Lumen Flux (lm)	CCT(K)3000
Control Gear Output Voltage(V)	18	Beam Angle 15°	570 / 720
Current(mA)	350 / 500	Beam Angle 24°	620 / 780
IP rating	IP20	Beam Angle 36°	620 / 770
IK rating	IK08	Beam Angle 50°	590 / 740
Safety Class	Class II	Lifespan(h) (L80B50)	50000
		Energy Efficiency Class	F

Illuminance Diagram

m	⊙	LUX _{avg}	LUX _{min}
1		4077	5905
2		5797	1019
3		8695	453
4		11594	254
5		14492	163

Angle : 15 deg

m	⊙	LUX _{avg}	LUX _{min}
1		3109	4492
2		7881	777
3		11822	345
4		15163	194
5		19104	124

Angle : 24 deg

m	⊙	LUX _{avg}	LUX _{min}
1		1568	2305
2		11866	392
3		17799	174
4		23732	98
5		29664	62

Angle : 36 deg

m	⊙	LUX _{avg}	LUX _{min}
1		945	1450
2		14657	236
3		21985	105
4		29313	59
5		36641	37

Angle : 50 deg

FUSI 46 SPOT DUE

Miniaturised, contemporary and dual beam ceiling spotlight designed for indoor use and multiple applications;

Luminarie bodies made of die cast aluminium;

Ceiling arm adjustable system allows 180° tiltable and 355° rotatable;

Interchangeable lenses make it has 4 beam angle options from 15° to 50°;

Control gear with on-board 2 steps selection;

Available in three finishes: white (RAL9016), black (RAL9005) and gold (RAL270-M).



Specification

Input Voltage(V)	220-240 V AC	Beam Angle (°)	15/24/36/50
Input Current(mA)	65 / 85	CRI	> 90
Power (W)	15 / 20	SDCM	< 3
		UGR	< 13
Control Option	SWT/DIM/DL6	Lumen Flux (lm)	CCT(K)3000
Control Gear Output Voltage(V)	36	Beam Angle 15°	1100 / 1400
Current(mA)	350 / 500	Beam Angle 24°	1200 / 1500
		Beam Angle 36°	1200 / 1500
		Beam Angle 50°	1200 / 1550
IP rating	IP20	Lifespan(h) (L80B50)	50000
IK rating	IK08	Energy Efficiency Class	F
Safety Class	Class II		

Illuminance Diagram

m	Φ	LUX _{avg}	LUX _{min}
1	30.00	8278	11960
2	60.00	2069	2990
3	90.00	919	1329
4	120.00	517	747
5	150.00	331	478

Angle : 15 deg

m	Φ	LUX _{avg}	LUX _{min}
1	41.97	5719	8098
2	83.94	1430	2025
3	125.91	635	899
4	167.88	357	506
5	209.85	228	323

Angle : 24 deg

m	Φ	LUX _{avg}	LUX _{min}
1	62.94	2866	4090
2	125.87	716	1023
3	188.81	318	454
4	251.75	179	255
5	314.68	114	163

Angle : 36 deg

m	Φ	LUX _{avg}	LUX _{min}
1	87.95	1544	2375
2	175.29	386	593
3	262.94	171	263
4	350.58	96	148
5	438.23	61	94

Angle : 50 deg

FUSI 46 WALL UNO AND DUE

Single and dual beam wall light designed for indoor use and multiple applications;
Luminarie bodies made of die cast aluminium;
Interchangeable lenses make it has 4 beam angle options from 15° to 50°;
Available in three finishes: white (RAL9016), black (RAL9005) and gold (RAL270-M).



Single Beam



Double Beam

Specification

Input Voltage(V)	220-240 V AC	Beam Angle (°)	15/24/36/50
Input Current(mA)	30/ 55	CRI	> 90
Power (W)	6 / 12	SDCM	< 3
		UGR	< 13
Control Option	SWT/DIM/DL6	Lumen Flux (lm)	CCT(K)3000
Control Gear Output		Beam Angle 15°	460 / 900
Voltage(V)	18 / 36	Beam Angle 24°	510 / 960
Current(mA)	280 / 270	Beam Angle 36°	500 / 960
		Beam Angle 50°	480 / 920
IP rating	IP20	Lifespan(h) (L80B50)	50000
IK rating	IK08	Energy Efficiency Class	F
Safety Class	Class II		

Illuminance Diagram

m	φ	LUX _{avg}	LUX _{max}
1	30° 18'	5582	7934
2	60° 36'	1396	1983
3	90° 54'	620	881
4	120° 72'	348	495
5	150° 90'	223	317

Angle : 15 deg

m	φ	LUX _{avg}	LUX _{max}
1	41° 37'	3776	5379
2	82° 74'	944	1345
3	124° 11'	419	597
4	165° 68'	236	336
5	208° 85'	151	215

Angle : 24 deg

m	φ	LUX _{avg}	LUX _{max}
1	62° 04'	1870	2682
2	124° 07'	467	670
3	186° 11'	207	298
4	248° 14'	116	167
5	310° 18'	74	107

Angle : 36 deg

m	φ	LUX _{avg}	LUX _{max}
1	84° 48'	1057	1610
2	168° 96'	264	402
3	253° 44'	117	178
4	337° 92'	66	100
5	422° 40'	42	64

Angle : 50 deg

The Fusi Family

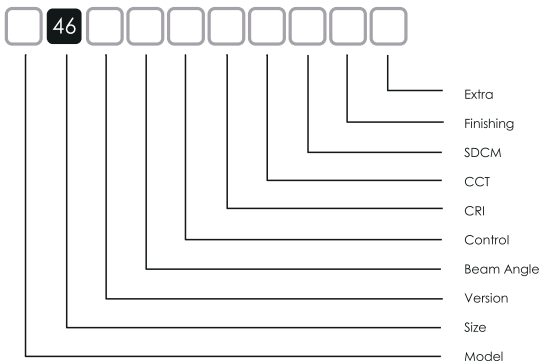
Accessories

Optical

Honeycomb louver

Cross louver





MODEL	SD	Spotlight Double
	SS	Spotlight Single
	DM	Wall Light Double Beam
	SM	Wall Light Single Beam
SIZE	46	Φ 46 mm
VERSION	SM	Surface Mounted
	SR	Semi-Recessed
	TR	Track
	15	15 degrees
BEAM ANGLE	24	24 degrees
	36	36 degrees
	50	50 degrees

CONTROL	SWT	ON-OFF Switching
	DIM	Phase Cut Dimming
	DL6	DALI dimming (DT 6)
	CRI	> 90
CCT	30	3000K
	40	4000K
	60	6500K
	SCDM	3 ~ 3 step
FINISHING	BK	Textured Black RAL 9005
	WH	Textured White RAL 9016
	GD	Textured Gold RAL 270-M

Ledeshi

Architectural lighting

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