RMN SWISS SOLUTIONS
FL4000 POWERFUL LED FLOODLIGHTS



New development in LED Floodlights
High lightoutput LED floodlights suitable for all kind of applications on high masts, even in industrial conditions. Also suitable for sport fields lighting according to DIN EN 12193 (European Sports Lighting)/ guidelines of the SLG (Swiss Light Society) and SFV (Swiss Football Association). Standard control is ON/OFF.
The light fixtures are available from 64.000 lumen up to 295.200 lumen. Standard light color is 4.000K but also optional in 3.000K and 5.000K.

Material:
Aluminium powder coated and polycarbonate optical lenses, corrosion protected C4 (ISO 9223:2012). Body is black. The power supply box is located above the light fixture but using the optional brackets the power supply can be mountid under the light fixture. It is also possible to install the power supply box at the bottom of the mast to make it easy accessible in case of some failure. The power supply box is IP68 protected.

Durable and resistant:
The light fixtures are suitable for demanding environments due to its high C4 Industrial corrosion protection. The expected lifetime is extremely long, 138.000 hours (L80B10). The LED's are **LED 5050** which is the most common in Industrial applications. Also on request available in LED 3737 (most used on sports fields).

Dustproof and water protected:
The driver is protected against temperature, dust and moisture. A connection box makes installation easy. The large cooling fins design ensure a good heat dissipation protecting the electronics against high temperatures.

Optics and light polution:
There are 5 different optics in LED 5050 and 6 in LED 3737. The standard optic in LED 5050 is 30° symmetrical. Due to the advanced optical technology, glare and spill light can be dramatically reduced. The special designed visors reduce light polution which reduce upward light to 0%. The design gives both glare control and backlight control.

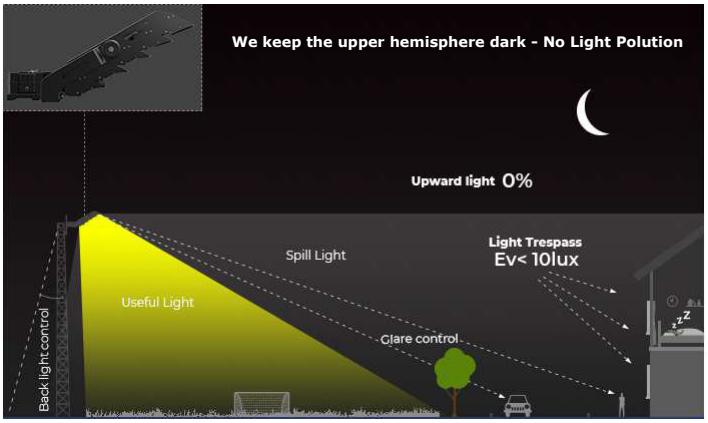
Typical applications:
Harbour lighting
Football fields
Large parking area lighting
Stadium lighting
Railway and Airport lighting
Trade fair lighting

Technical specifications:

Nominal voltage: 200-480Vac
Frequency: 50/60Hz
Driver: Sosen, current controlled (CC)
IP Protection Class: IP66 and IK08
IP Protection power supply box: IP68
Protection Class: Class I
Tamb: -30°C - +50°C
Power factor: cos ϕ ≥ 0,92
Lifetime Light Fixture: >138.000h
Control: ON/OFF, Dimming 1-10V or DALI D4i, DMX
Power: Depend on type
Real lumen: Depend on type
Light beam: Depend on choice optic
Light colour: 4.000K (optional 3.000K, 5.000K)
Colour rendering: Ra >70 (optional CRI80)
LB Value: L80B10
Housing: Aluminium (alloy) C4 corrosion protected
Optical lenses: Polycarbonate
Cable: Not included
Plug: Not included
Warranty: 5 years

Certifications:

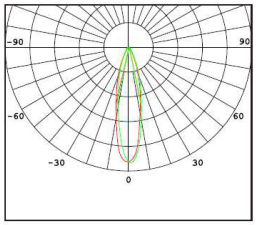
CE Certified
CB Certified
SAA Certified
RoHS certified
ENEC certified



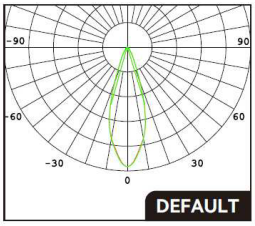
Swiss Solutions LED Floodlight FL4000 IP66

Standard optics:

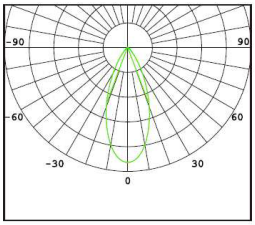
Symmetrical
F04022Z **22°**



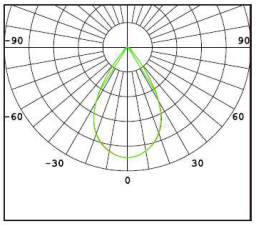
Symmetrical
F04003Z **30°**



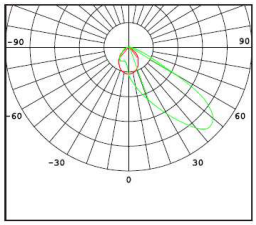
Symmetrical
F04004Z **45°**



Symmetrical
F04006Z **60°**



Asymmetrical
F004001Z **45°**



Article numbers 1-module:

Standard light color 4.000K
Optional 3.000K and 5.000K

Article No.	Description	Optics	Voltage	Colour	Wattage (W)	Lumen (lm)	Dimensions AxBxC mm	Weight kg.
83SW7060-22Z	Swiss Solutions LED Floodlight FL4000-400	F04022Z	200-480Vac	4.000K	400	64.000	220x479x224	10,5
83SW7060-03Z	Swiss Solutions LED Floodlight FL4000-400	F04003Z	200-480Vac	4.000K	400	64.000	220x479x224	10,5
83SW7060-04Z	Swiss Solutions LED Floodlight FL4000-400	F04004Z	200-480Vac	4.000K	400	64.000	220x479x224	10,5
83SW7060-06Z	Swiss Solutions LED Floodlight FL4000-400	F04006Z	200-480Vac	4.000K	400	64.000	220x479x224	10,5
83SW7060-01Z	Swiss Solutions LED Floodlight FL4000-400	F04001Z	200-480Vac	4.000K	400	64.000	220x479x224	10,5
83SW7061-22Z	Swiss Solutions LED Floodlight FL4000-500	F04022Z	200-480Vac	4.000K	500	80.500	228x479x224	11,5
83SW7061-03Z	Swiss Solutions LED Floodlight FL4000-500	F04003Z	200-480Vac	4.000K	500	80.500	228x479x224	11,5
83SW7061-04Z	Swiss Solutions LED Floodlight FL4000-500	F04004Z	200-480Vac	4.000K	500	80.500	228x479x224	11,5
83SW7061-06Z	Swiss Solutions LED Floodlight FL4000-500	F04006Z	200-480Vac	4.000K	500	80.500	228x479x224	11,5
83SW7061-01Z	Swiss Solutions LED Floodlight FL4000-500	F04001Z	200-480Vac	4.000K	500	80.500	228x479x224	11,5
83SW7062-22Z	Swiss Solutions LED Floodlight FL4000-600	F04022Z	200-480Vac	4.000K	600	96.600	245x479x224	13,0
83SW7062-03Z	Swiss Solutions LED Floodlight FL4000-600	F04003Z	200-480Vac	4.000K	600	96.600	245x479x224	13,0
83SW7062-04Z	Swiss Solutions LED Floodlight FL4000-600	F04004Z	200-480Vac	4.000K	600	96.600	245x479x224	13,0
83SW7062-06Z	Swiss Solutions LED Floodlight FL4000-600	F04006Z	200-480Vac	4.000K	600	96.600	245x479x224	13,0
83SW7062-01Z	Swiss Solutions LED Floodlight FL4000-600	F04001Z	200-480Vac	4.000K	600	96.600	245x479x224	13,0

Article numbers 2-module:

Article No.	Description	Optics	Voltage	Colour	Wattage (W)	Lumen (lm)	Dimensions AxBxC mm	Weight kg.
83SW7063-22Z	Swiss Solutions LED Floodlight FL4000-800	F04022Z	200-480Vac	4.000K	800	128.800	368x510x332	20,4
83SW7063-03Z	Swiss Solutions LED Floodlight FL4000-800	F04003Z	200-480Vac	4.000K	800	128.800	368x510x332	20,4
83SW7063-04Z	Swiss Solutions LED Floodlight FL4000-800	F04004Z	200-480Vac	4.000K	800	128.800	368x510x332	20,4
83SW7063-06Z	Swiss Solutions LED Floodlight FL4000-800	F04006Z	200-480Vac	4.000K	800	128.800	368x510x332	20,4
83SW7063-01Z	Swiss Solutions LED Floodlight FL4000-800	F04001Z	200-480Vac	4.000K	800	128.800	368x510x332	20,4
83SW7064-22Z	Swiss Solutions LED Floodlight FL4000-1000	F04022Z	200-480Vac	4.000K	1000	162.000	463x510x394	24,7
83SW7064-03Z	Swiss Solutions LED Floodlight FL4000-1000	F04003Z	200-480Vac	4.000K	1000	162.000	463x510x394	24,7
83SW7064-04Z	Swiss Solutions LED Floodlight FL4000-1000	F04004Z	200-480Vac	4.000K	1000	162.000	463x510x394	24,7
83SW7064-06Z	Swiss Solutions LED Floodlight FL4000-1000	F04006Z	200-480Vac	4.000K	1000	162.000	463x510x394	24,7
83SW7064-01Z	Swiss Solutions LED Floodlight FL4000-1000	F04001Z	200-480Vac	4.000K	1000	162.000	463x510x394	24,7
83SW7065-22Z	Swiss Solutions LED Floodlight FL4000-1200	F04022Z	200-480Vac	4.000K	1200	194.400	496x510x394	27,3
83SW7065-03Z	Swiss Solutions LED Floodlight FL4000-1200	F04003Z	200-480Vac	4.000K	1200	194.400	496x510x394	27,3
83SW7065-04Z	Swiss Solutions LED Floodlight FL4000-1200	F04004Z	200-480Vac	4.000K	1200	194.400	496x510x394	27,3
83SW7065-06Z	Swiss Solutions LED Floodlight FL4000-1200	F04006Z	200-480Vac	4.000K	1200	194.400	496x510x394	27,3
83SW7065-01Z	Swiss Solutions LED Floodlight FL4000-1200	F04001Z	200-480Vac	4.000K	1200	194.400	496x510x394	27,3

Swiss Solutions LED Floodlight FL4000 IP66

Article numbers 3-module:

Standard light color 5.700K
Optional 3.000K and 4.000K

Article No.	Description	Optics	Voltage	Colour	Wattage (W)	Lumen (lm)	Dimensions AxBxC mm	Weight kg.
83SW7066-22Z	Swiss Solutions LED Floodlight FL4000-1500	F04022Z	200-480Vac	4.000K	1500	244.500	691x515x444	35,4
83SW7066-03Z	Swiss Solutions LED Floodlight FL4000-1500	F04003Z	200-480Vac	4.000K	1500	244.500	691x515x444	35,4
83SW7066-04Z	Swiss Solutions LED Floodlight FL4000-1500	F04004Z	200-480Vac	4.000K	1500	244.500	691x515x444	35,4
83SW7066-06Z	Swiss Solutions LED Floodlight FL4000-1500	F04006Z	200-480Vac	4.000K	1500	244.500	691x515x444	35,4
83SW7066-01Z	Swiss Solutions LED Floodlight FL4000-1500	F04001Z	200-480Vac	4.000K	1500	244.500	691x515x444	35,4
83SW7067-22Z	Swiss Solutions LED Floodlight FL4000-1800	F04022Z	200-480Vac	4.000K	1800	295.200	757x515x444	38,6
83SW7067-03Z	Swiss Solutions LED Floodlight FL4000-1800	F04003Z	200-480Vac	4.000K	1800	295.200	757x515x444	38,6
83SW7067-04Z	Swiss Solutions LED Floodlight FL4000-1800	F04004Z	200-480Vac	4.000K	1800	295.200	757x515x444	38,6
83SW7067-06Z	Swiss Solutions LED Floodlight FL4000-1800	F04006Z	200-480Vac	4.000K	1800	295.200	757x515x444	38,6
83SW7067-01Z	Swiss Solutions LED Floodlight FL4000-1800	F04001Z	200-480Vac	4.000K	1800	295.200	757x515x444	38,6



Swiss Solutions LED Floodlight FL4000 IP66

Accessories:

Article No. 83SW7072
Front glare shield for asymmetric optics to direct downward light, suitable for lenses F04001Z, dimensions 450x280x250mm black, type L80.
Requires for 400/500/600W 1 pc, 800/1000/1200W 2 pcs, 1500/1800W 3 pcs.



Article No. 83SW7073
Front visor for asymmetric optics to direct downward light, suitable for lenses F04022Z, F04003Z, F04004Z, F04006Z, dimensions 680x190x455mm black, type L130.
Requires for 400/500/600W 1 pc, 800/1000/1200W 2 pcs, 1500/1800W 3 pcs.



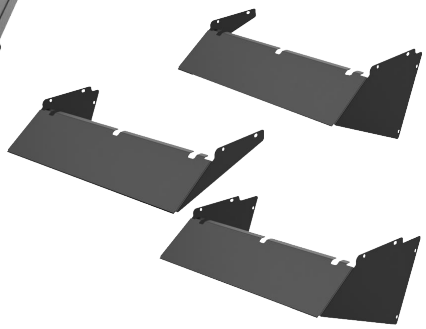
Article No. 83SW7074
Backlight glare shield for asymmetrical optical components for monitoring rear light lenses, suitable for lenses F00401Z, dimensions 465x340x235mm black, type L175.
Requires for 400/500/600W 1 pc, 800/1000/1200W 1 pc, 1500/1800W 1 pc.



Article No. 83SW7075
Front and long left glare shield for asymmetric optics to direct frontal and left-facing light downwards, suitable for lenses F04001Z, dimensions 460x270x190mm, type L164 (for 400W module).
Requires for 400/800W 1 pc.

Article No. 83SW7076
Front and long right glare shield for asymmetric optics to direct frontal light emitted to the right and left downwards, suitable for lenses F04001Z, dimensions 460x270x190mm, type L165 (for 400W module).
Requires for 400/800W 1 pc.

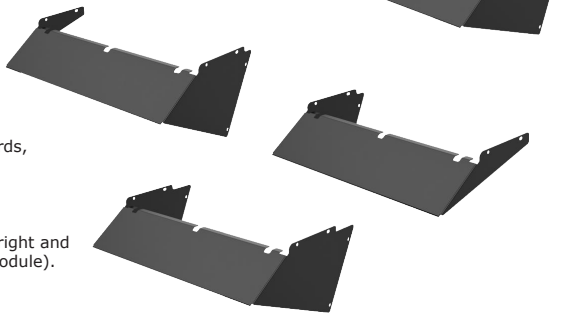
Article No. 83SW7077
Front and long left and right glare shield for asymmetric optics to direct frontal light emitted to the right and left downwards, suitable for lenses F04001Z, dimensions 460x270x190mm, type L166 (for 400W module).
Requires for 400/800W 1 pc.



Article No. 83SW7078
Front and left glare shield for asymmetric optics to direct frontal and left-facing light downwards, suitable for lenses F04001Z, dimensions 460x315x190mm, type L167 (for 500W module).
Requires for 500/1000/1500W 1 pc.

Article No. 83SW7079
Front and long right glare shield for asymmetric optics to direct frontal and left-facing light downwards, suitable for lenses F04001Z, dimensions 460x315x190mm, type L168 (for 500W module).
Requires for 500/1000/1500W 1 pc.

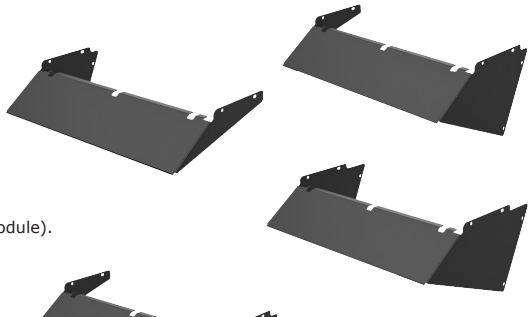
Article No. 83SW7080
Front and long left and right glare shield for asymmetric optics to direct frontal light emitted to the right and left downwards, suitable for lenses F04001Z, dimensions 460x315x190mm, type L169 (for 500W module).
Requires for 500/1000/1500W 1 pc.



Article No. 83SW70781
Front and long left glare shield for asymmetric optics to direct frontal and left-facing light downwards, suitable for lenses F04001Z, dimensions 460x355x190mm, type L172 (for 600W module).
Requires for 600/1200/1800W 1 pc.

Article No. 83SW7082
Front and long right glare shield for asymmetric optics to direct frontal and left-facing light downwards, suitable for lenses F04001Z, dimensions 460x355x190mm, type L173 (for 600W module).
Requires for 600/1200/1800W 1 pc.

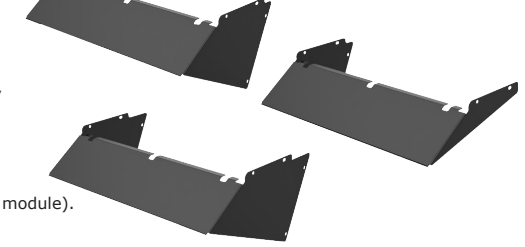
Article No. 83SW7083
Front and long left and right glare shield for asymmetric optics to direct frontal light emitted to the right and left downwards, suitable for lenses F04001Z, dimensions 460x355x190mm, type L174 (for 600W module).
Requires for 600/1200/1800W 1 pc.



Article No. 83SW7084
Front and short left glare shield for asymmetric optics to direct frontal and left-facing light downwards, suitable for lenses F04001Z, dimensions 460x430x290mm, type L77 (for 400/500W module).
Requires for 800/1000W 1 pc, 1500W 2 pcs.

Article No. 83SW7085
Front and short right glare shield for asymmetric optics to direct frontal and right-facing light downwards, suitable for lenses F04001Z, dimensions 460x430x290mm, type L78 (for 400/500W module).
Requires for 800/1000W 1 pc, 1500W 2 pcs.

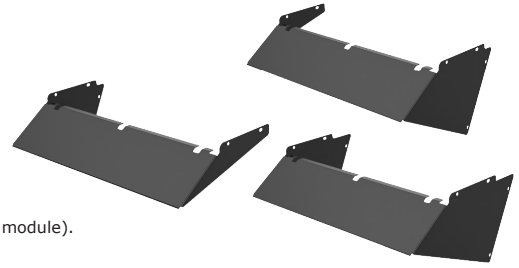
Article No. 83SW7086
Front and short left and right glare shield for asymmetric optics to direct frontal light emitted to the right and left downwards, suitable for lenses F04001Z, dimensions 460x430x190mm, type L79 (for 400/500W module).
Requires for 800/1000W 1 pc, 1500W 2 pcs.



Article No. 83SW7087
Front and short left glare shield for asymmetric optics to direct frontal and left-facing light downwards, suitable for lenses F04001Z, dimensions 460x430x290mm, type L82 (for 600W module).
Requires for 1200W 1 pc, 1800W 2 pcs.

Article No. 83SW7088
Front and short right glare shield for asymmetric optics to direct frontal and right-facing light downwards, suitable for lenses F04001Z, dimensions 460x430x290mm, type L83 (for 600W module).
Requires for 1200W 1 pc, 1800W 2 pcs.

Article No. 83SW7089
Front and short left and right glare shield for asymmetric optics to direct frontal light emitted to the right and left downwards, suitable for lenses F04001Z, dimensions 460x430x190mm, type L84 (for 600W module).
Requires for 1200W 1 pc, 1800W 2 pcs.



Swiss Solutions LED Floodlight FL4000 IP66

Accessories:

Article No. 83SW7091
Backlight protection for asymmetrical optics for monitoring rear lights, suitable for lenses F04022Z, F04003Z, dimensions 235x175x450mm type G7 (for 600W module).
Requires for 600W 1 pc, 1200W 2 pcs, 1800W 3 pcs.



Article No. 83SW7092
Mounting bracket for power supplies on the light fixture (set of 2 pieces) type 09 (for 400W to 1200W module).
Comes with the light fixture.

Article No. 83SW7093
Mounting bracket for power supplies on the light fixture (set of 2 pieces) type 11 (for 1500W to 1800W module).
Comes with the light fixture.

Examples glare control:







