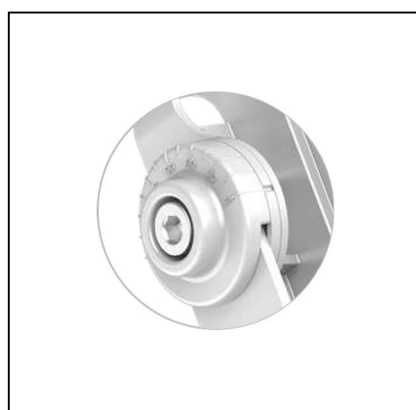
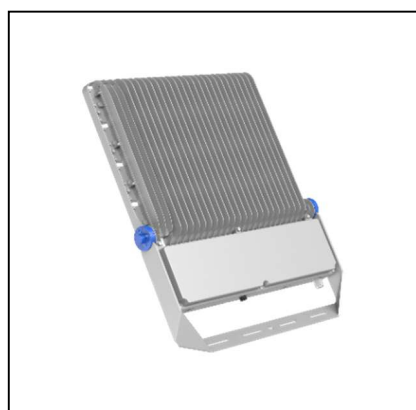


PRODUCT DATASHEET

ST-series LED Stadium Light



5 YEARS
WARRANTY

PRODUCT OVERVIEW

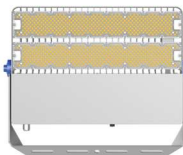
Power Rating [W]:	400 450 500 550 600 650 700 750 800 850 900 950 1000
Input:	180~480VAC 50~60 Hz
Operating Temperature:	-40°C ~ +50°C
Working Humidity:	20% ~ 95% RH non-condensing
Corrosion Resistance:	High — suitable for both indoor and outdoor installations, including humid and coastal environments
Mounting Option:	Bracket-based installation on any surface
Min./Max. weight:	8.50 kg - 12.50 kg
Ingress Protection Rating:	IP66
Impact Protection Rating:	IK10
Safety:	CE EMC RoHS
Warranty:	5 years (STD version)
LED Driver Brand:	Inventronics® NFM series (non-isolated) Lifud® FAA series (non-isolated)
Light Control Protocols:	1-10V DIM, DALI-2 (optional)
LED Chip Brand:	CREE®
LED Chip Type:	SMD 3030 LED
LED Optic:	30° 60° 90°
LED CCT [K]:	2700 3000 3500 4000 5000 5700 6500
LED CRI:	70 80 90
Luminaire's Efficacy on 800W power load:	> 165 lm/W
Application:	Stadiums and Arenas, Outdoor Sports Fields, Industrial Yards, Large Parking Areas, Construction Sites

DRAWING BY MODELS

ST-series LED Stadium Light

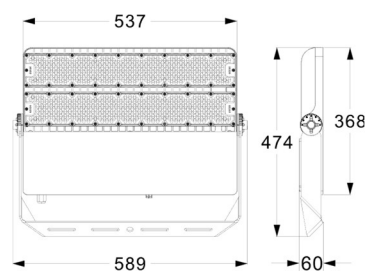
ST-400-STD

INPUT 220V AC 50/60 Hz
RATED POWER: 400W
LED CHIP QNTY: 836 PCS.
LENS 418 * 2
WEIGHT 8.50 kg



ST-450-STD

INPUT 220V AC 50/60 Hz
RATED POWER: 450W
LED CHIP QNTY: 836 PCS.
LENS 418 * 2
WEIGHT 8.50 kg



ST-500-STD

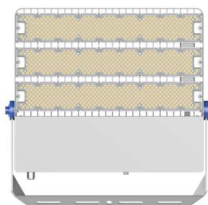
INPUT 220V AC 50/60 Hz
RATED POWER: 500W
LED CHIP QNTY: 836 PCS.
LENS 418 * 2
WEIGHT 8.50 kg

ST-550-STD

INPUT 220V AC 50/60 Hz
RATED POWER: 550W
LED CHIP QNTY: 836 PCS.
LENS 418 * 2
WEIGHT 9.00 kg

ST-600-STD

INPUT 220V AC 50/60 Hz
RATED POWER: 600W
LED CHIP QNTY: 1254 PCS.
LENS 418 * 3
WEIGHT 10.30 kg

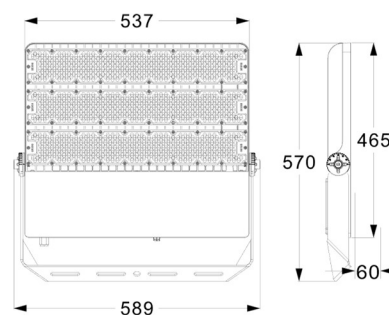
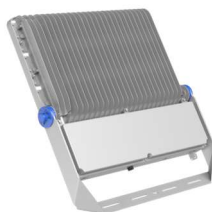


ST-650-STD

INPUT 220V AC 50/60 Hz
RATED POWER: 650W
LED CHIP QNTY: 1254 PCS.
LENS 418 * 3
WEIGHT 10.30 kg

ST-700-STD

INPUT 220V AC 50/60 Hz
RATED POWER: 700W
LED CHIP QNTY: 1254 PCS.
LENS 418 * 3
WEIGHT 10.70 kg



ST-750-STD

INPUT 220V AC 50/60 Hz
RATED POWER: 700W
LED CHIP QNTY: 1254 PCS.
LENS 418 * 3
WEIGHT 10.70 kg

DRAWING BY MODELS

ST-series LED Stadium Light

ST-800-STD

INPUT 220V AC 50/60 Hz
RATED POWER: 800W
LED CHIP QNTY: 1672 PCS.
LENS 418 * 4
WEIGHT 12.00 kg

ST-850-STD

INPUT 220V AC 50/60 Hz
RATED POWER: 850W
LED CHIP QNTY: 1672 PCS.
LENS 418 * 4
WEIGHT 12.00 kg

ST-900-STD

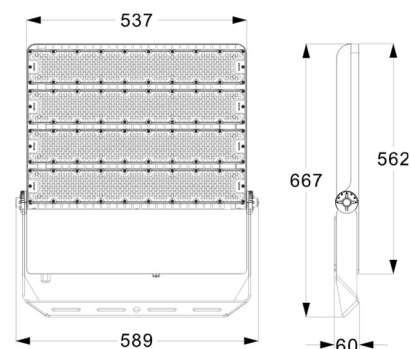
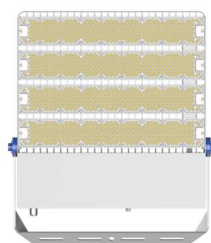
INPUT 220V AC 50/60 Hz
RATED POWER: 900W
LED CHIP QNTY: 1672 PCS.
LENS 418 * 4
WEIGHT 12.50 kg

ST-950-STD

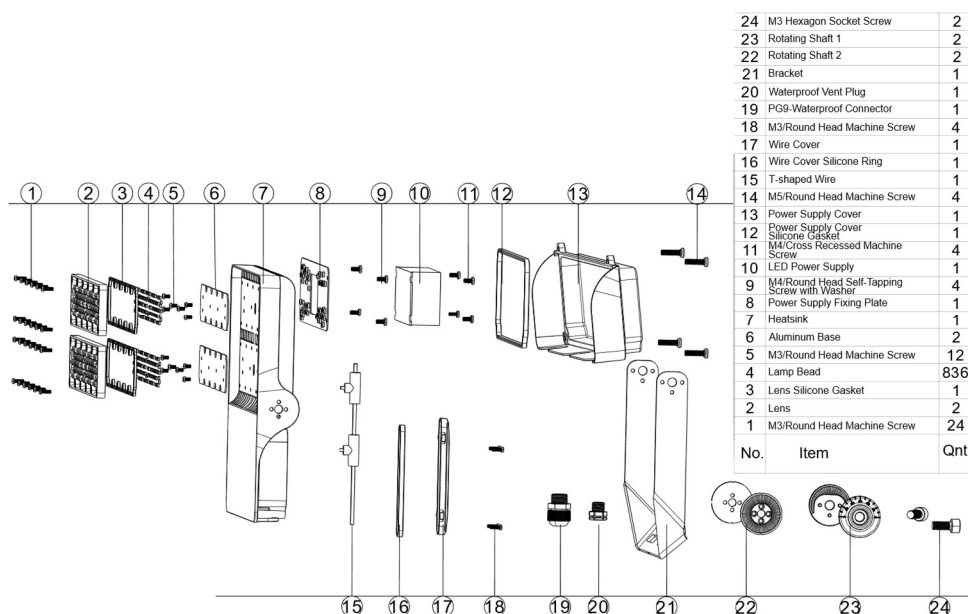
INPUT 220V AC 50/60 Hz
RATED POWER: 950W
LED CHIP QNTY: 1672 PCS.
LENS 418 * 4
WEIGHT 12.50 kg

ST-1KW-STD

INPUT 220V AC 50/60 Hz
RATED POWER: 1000W
LED CHIP QNTY: 1672 PCS.
LENS 418 * 4
WEIGHT 12.50 kg



EXPLODED VIEW (ST-450-STD MODEL)



TECHNICAL INFORMATION

ST-series LED Stadium Light

GENERAL INFORMATION

Product	LED Stadium Light
Series	ST (STD version)
Rated Power[W]	400 450 500 550 600 650 700 750 800 850 900 950 1000
Mounting Option	Bracket-based installation on any surface
Operating temperature	-40°C ~ +50°C
Operating Humidity	20% ~ 95% RH
Warranty	5 years (STD version)

HOUSING AND FINISH

Material	ADC12 Die-Casting
Housing finish	Powder coating
Standard color	Grey
Optic lens	UV-resistant polycarbonate
Corrosion Resistance	High
Ingress Protection	IP66
Impact Resistance	IK10

SAFETY INFORMATION

CE Mark	Directive 2014/35/EU (Low Voltage Directive)
Electromagnetic compatibility (EMC)	Directive 2014/30/EU (Electromagnetic Compatibility)
RoHS Compliant	Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU (Restriction of Hazardous Substances)
IP66	IP Rating tested according to IEC 60529
IK10	IK Rating tested according to IEC 62262

ELECTRICAL INFORMATION

Input	180~480VAC 50~60 Hz
Electrical Class	Class I EU
Surge Protection	DM 10Kv CM 10kV
LED driver brand	Inventronics® NFM Gx/Mx series Non-isolated Lifud® FAA series Non-isolated
Power Factor at full load	PF≥0.99/220VAC PF≥0.95/480VAC
Total Harmonic Distortion	220–240Vac 75%–100% load, THD≤10% 200–480Vac 70%–100% load, THD≤20%
Inrush Current	480Vac: 2.09 A²s 11.6ms. 220Vac: 7.50A 277Vac: 9.20A 400Vac: 13.7A 480Vac: 15.5A
Light Control Protocols	1-10V DIM (optional) DALI-2 (optional)

OPTICAL INFORMATION

LED Chip Brand	Cree®
LED CCT [K]	2700 3000 3500 4000 5000 5700 6500
LED CRI	CRI>70 CRI>80 CRI>90
LED Chip Type	SMD3030
Beam Angle	30° 60° 90°
Luminaire's efficacy on 800W power load	> 165 lm/W



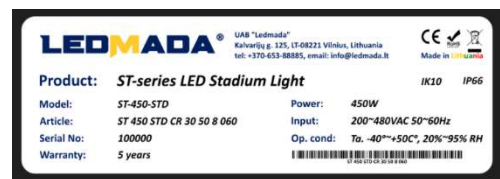
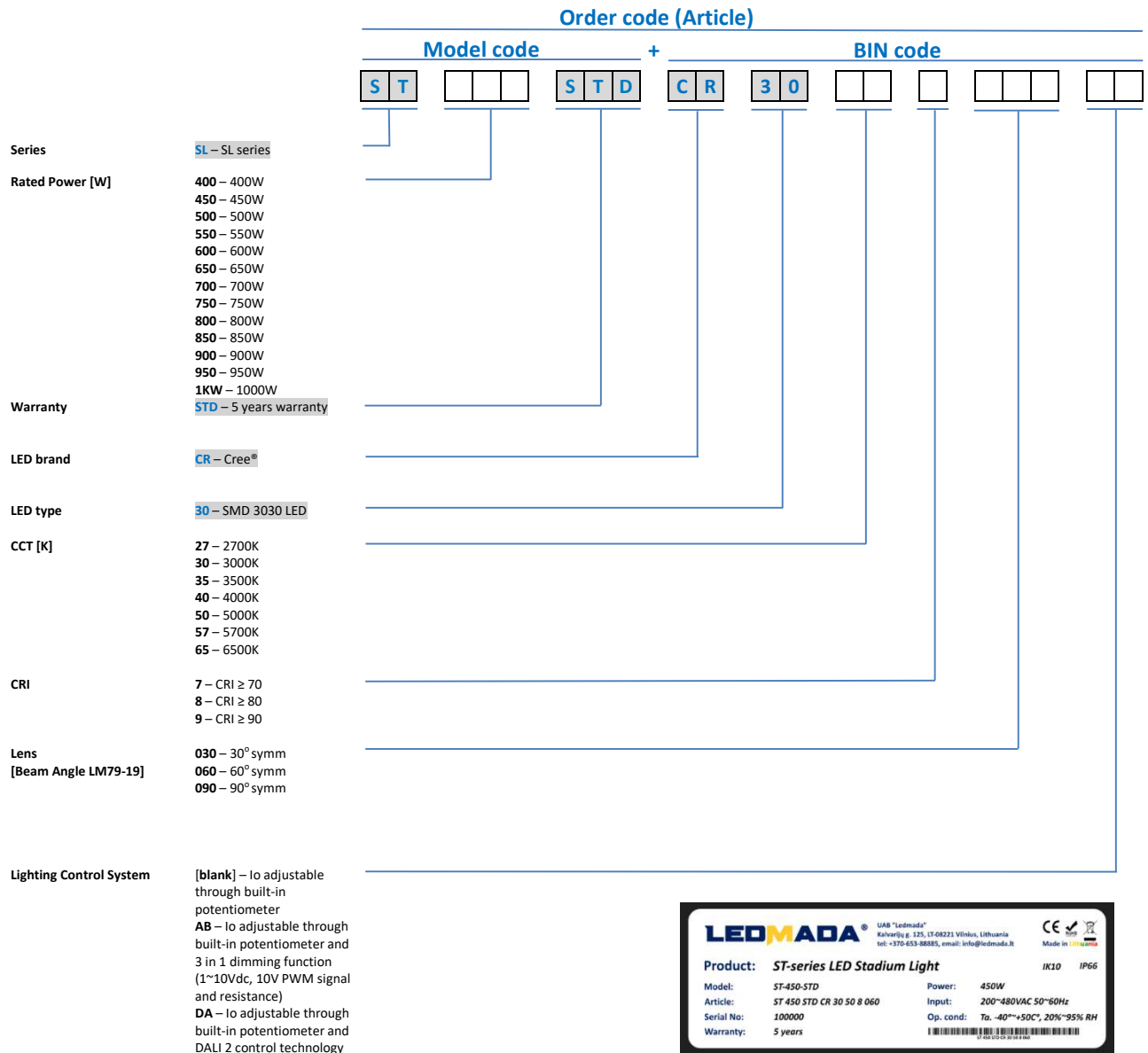
5

YEARS
WARRANTY

ORDER&MODEL&BIN CODE INFORMATION

ST-series LED Stadium Light

ORDER&MODEL&BIN codes for ST-series LED Stadium Light are configured in the following manner:



VALID ORDER&MODEL&BIN CODES COMBINATIONS

S T X X X S T D C R 3 0 X X X X X X

□ - fixed values

X - all available values

All available ORDER&MODEL&BIN Codes for ST-series LED Stadium Light are presented in Appendix „LIST OF ORDER&MODEL&BIN CODES FOR ST-SERIES LED STADIUM LIGHT”.

WARRANTY INFORMATION AND WARNING**ST-series LED Stadium Light** **WARRANTY**

The following circumstances will not receive replacement warranty:

- A replacement warranty will be provided during the warranty period if the product suffers quality problems.
- During the warranty period, the customer shall return the damaged goods or failed parts for inspection and repair by Ledmada. Ledmada will then send the fixed or new parts back.
- A replacement warranty will be provided once valid documents are presented.
- Damage caused, including, but not limited to, damage from abnormal working conditions, improper usage, storage that does not conform to this Datasheet.
- Dismantling, modification or improper installation or repairing of the products without Ledmada's authorization.
- Damages caused by environmental circumstances including, but not limited to fire, flood, lighting strike, earthquake.

 WARNING**To avoid the risk of fire, explosion, or electric shock:**

- This product should be installed, inspected, and maintained by a qualified electrician only, in accordance with all applicable electrical codes.
- Verify power wire is by following per under applicable electrical codes.
- The light source and power supply contained in this luminaire shall only be replaced by the manufacturer or his service agent.
- The external flexible cable or cord of this luminaire cannot be replaced; if the cord is damaged, the luminaire shall be destroyed.

To avoid electric shock:

- Be certain electrical power is OFF before and during installation and maintenance.
- Product must be supplied with a wiring system suitable for local code with equipment grounding conductor.

To avoid burning hands:

- Before performing maintenance, ensure Luminaire is allowed to cool after powering off for a period of 30 minutes.

To avoid product degradation:

- Do not operate in ambient temperatures above those indicated on the product date sheet.
- Use proper supply wiring as specified on the product date sheet. Make sure the supply voltage is within the voltage range stated on the date sheet.
- Use only replacement parts from Ledmada.
- Use only Ledmada or equivalent parts for mounting product.
- Do not cover the fixture with any material that impedes heat dissipation.
- Avoid installing the product close to heat sources.
- Avoid use in environments containing sulfur, chlorine or other halides, methyl acetate or ethyl acetate, cyanoacrylates, glycol ethers, formaldehyde, or butadiene.

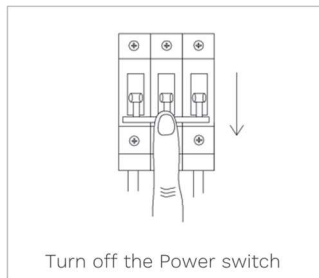
To avoid product fall:

- To avoid product fall, make sure the product is installed correctly, and all mounting elements are firmly secured.
- The mounting system securing the product to the surface must be capable of supporting a minimum load of 50 kg.

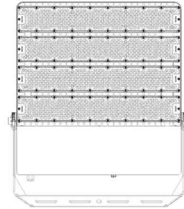
INSTALLATION INFORMATION

ST-series LED Stadium Light

WIRING DIAGRAM TO MAKE ELECTRICAL CONNECTIONS

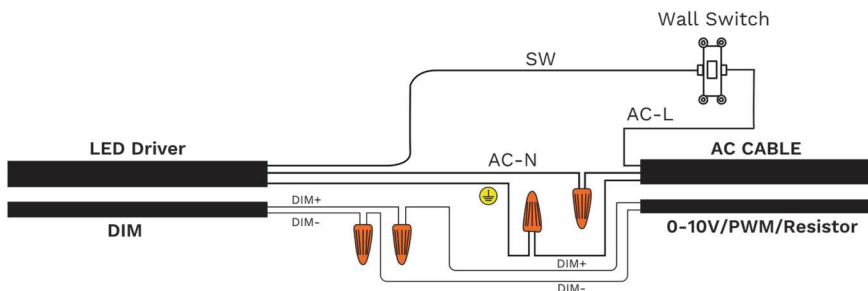


Connecting the cable requires an IP66 Tightness level



CE AC-L(Brown) (Yellow/ Green)
AC-N(Blue)

UL AC-L(Black) (Green)
AC-N(White)



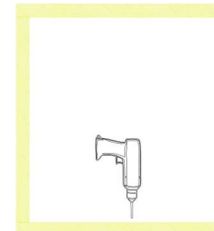
DIM (DIM+) Purple
(DIM-) Pink

DIM (DIM+) Brown
(DIM-) Blue

BRACKET-BASED INSTALLATION ON ANY SURFACE

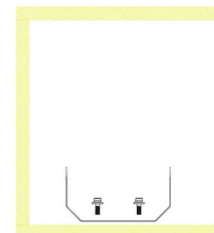
Step 1

Drill mounting holes that precisely match the Bracket's hole pattern. Detailed specifications of the Bracket screw holes are provided below.



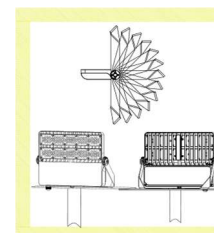
Step 2

Align the Bracket with the screw hole, tighten the screw and fix the Bracket.



Step 3

Orient the lamp body correctly according to the installation layout. Secure the screws that fasten the Bracket to the lamp body.



Step 3

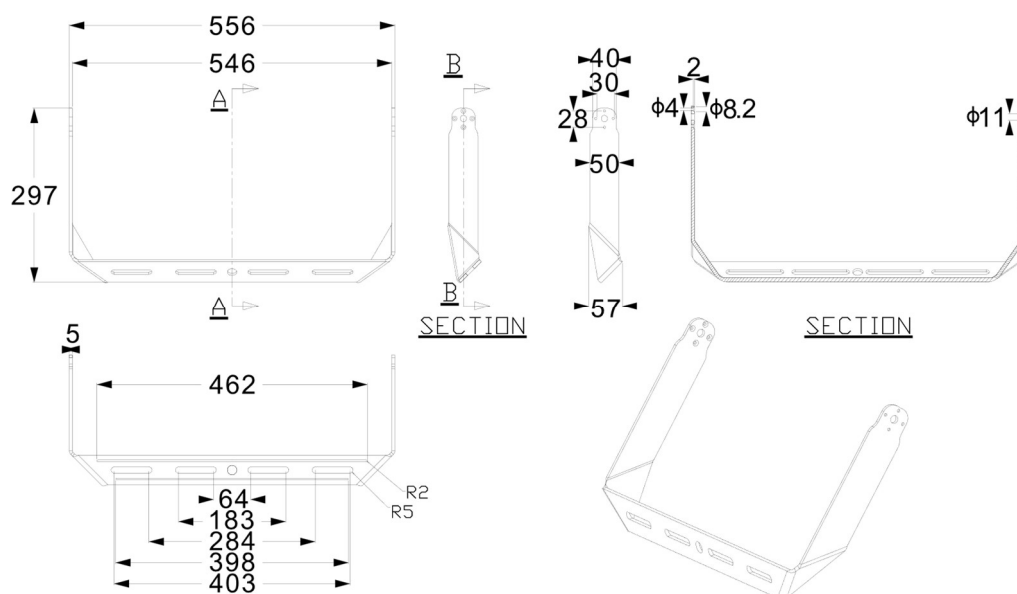
Refer to the Wiring Diagram to make electrical connections.

DETAILED SPECIFICATIONS OF THE BRACKET SCREW HOLES (BY MODELS)

ST-400-STD
ST-450-STD
ST-500-STD
ST-550-STD

ST-600-STD
ST-650-STD
ST-700-STD
ST-750-STD

ST-800-STD
ST-850-STD
ST-900-STD
ST-950-STD
ST-1KW-STD



CLEANING INFORMATION

It is important to clean the product during luminaire installation or when replacing components. The housing (metal parts) should be cleaned of dust and grime. Always ensure that power is disconnected before beginning the cleaning process. Electrical components and cables must not meet water or cleaning agents.

Housing (metal parts) cleaning

Vacuum the surface using a soft brush attachment. For general cleaning, use a neutral dishwashing detergent diluted in lukewarm water or a non-abrasive cleaning solution. Drying: Allow to air dry at room temperature or gently wipe with a slightly damp cleaning cloth. For loose dust or particles, use a soft duster, a microfiber-free cloth, or compressed air. For light soiling, dilute a citric acid-based cleaner with water. The cleaning agent must be non-abrasive, pH neutral, and alcohol-free. For heavy soiling, such as oil or grease, use a 1:1 mixture of alcohol and water (e.g. methylated spirits). Residues from alcohol-based products can be removed with a water-soaked cotton cloth. For stubborn stains, soak the area in a diluted citrus cleaner. Final drying: Use compressed air or a fresh, clean, lint-free cotton cloth.

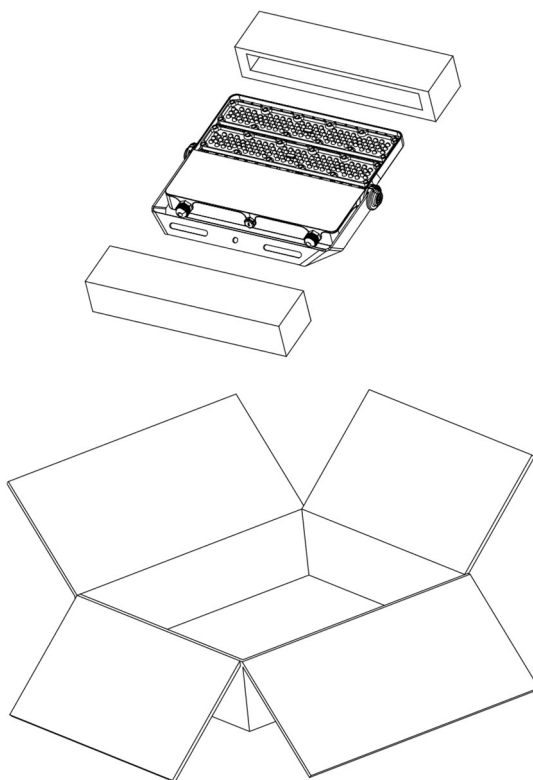
Optic (plastic parts cleaning)

Vacuum the surface using a soft brush or blow off dust using compressed air. In case of heavy soiling, use a non-abrasive cleaning detergent in warm water (maximum 55 °C). Wash with a soft, clean, microfiber-free cloth, using plenty of water. Rinse thoroughly with lukewarm water. Drying: Allow to air dry at room temperature, or gently wipe with a slightly damp, microfiber-free cloth.

PACKAGING INFORMATION

ST-series LED Stadium Light

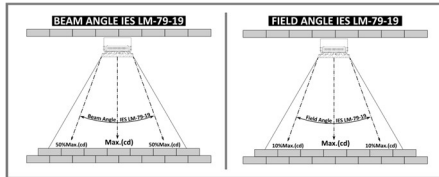
PRODUCT LED Stadium Light HS CODE: 94054210	QTY/CTN (pcs)	PACKAGE SIZE (m)	PACKAGE VOLUME (m ³)	NETTO WEIGHT (kg)	BRUTTO WEIGHT (kg)
ST-400-STD	1	0,610 x 0,500 x 0,080	0,025	8,500	9,400
ST-450-STD				8,500	9,400
ST-500-STD				8,500	9,400
ST-550-STD				9,000	9,900
ST-600-STD	1	0,610 x 0,590 x 0,080	0,029	10,300	11,300
ST-650-STD				10,300	11,300
ST-700-STD				10,700	11,700
ST-750-STD				10,700	11,700
ST-800-STD	1	0,690 x 0,610 x 0,150	0,034	12,000	13,100
ST-850-STD				12,000	13,100
ST-800-STD				12,500	13,600
ST-850-STD				12,500	13,600
ST-1KW-STD				12,500	16,600



OPTICS INFORMATION

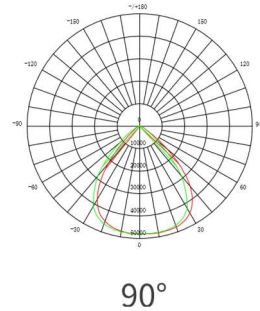
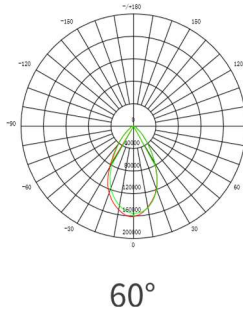
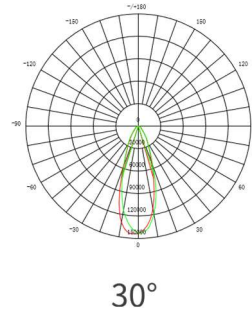
ST-series LED Stadium Light

OPTICS SELECTION RECOMMENDATIONS



Beam Angle – The beam angle, also known as beam spread, is a value that describes the downward light cone emitted by a lighting fixture with a reflector. The beam angle is measured between the downward direction, where the lamp provides maximum lighting intensity, and the direction in which intensity drops to 50%. In other words, a lamp with a large beam angle spread its lighting into a wider cone.

SYMMETRIC



EXCERPT FROM GONIOPHOTOMETERS SYSTEM TEST REPORT

BEAM ANGLE (IES LM-79-19) 60° CREE SMD3030 CCT 5000K CRI>80

ST-500-STD

POWER 422.50W

DATA OF LAMP		Eff:165.90lm/W	
MODEL	ST-500-STD	Imax (cd)	63668
CR-30-50-8-060		AVAILABILITY (%)	90.0
NOMINAL POWER (W)	500	Avail. FLUX (lm)	63053
RATED VOLTAGE (V)	230	LOR (%)	100.0
NOMINAL FLUX (lm)	70091.3	TOTAL FLUX (lm)	70091
LAMPS INSIDE	1	TEST VOLTAGE (V)	230
			0 850% (H,V) 60,590DEG

Flux out:39398 lm

Height	Beam	Angle:59.38deg	Diameter
3.281ft	3548,5915fc		3.741ft
1m	38195,63668lx		114.03cm
6.562ft	887,11479fc		7.482ft
2m	9549,15917lx		228.06cm
9.843ft	394,3,657.2fc		11.22ft
3m	4244,7074lx		342.08cm
13.12ft	221,8,369.7fc		14.96ft
4m	2387,3979lx		456.11cm
16.4ft	141,9,236.6fc		18.71ft
5m	1528,2547lx		570.14cm

Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

Height: Beam, Eavg, Emax

Angle:59.38deg

Diameter:

H(B) Range:-90 - 90DEG

H(B) Interval: 0.5DEG

Test Speed: HIGH

Temperature:25.3DEG

Operator:

Test Date:2025-06-14

V(B) Range:-90 - 90DEG

V(B) Interval: 0.5DEG

Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.265

Humidity:65.0%

Test Distance:16.500m [K=1.0000]

Remarks:

ST-800-STD

POWER 792.30W

DATA OF LAMP		Eff:166.39lm/W	
MODEL	ST-800-STD	Imax (cd)	119010
CR-30-50-8-060		AVAILABILITY (%)	90.1
NOMINAL POWER (W)	800	Avail. FLUX (lm)	118722
RATED VOLTAGE (V)	230	LOR (%)	100.0
NOMINAL FLUX (lm)	131834	TOTAL FLUX (lm)	131834
LAMPS INSIDE	1	TEST VOLTAGE (V)	230
			0 850% (H,V) 60,590DEG

Flux out:75128 lm

Height	Beam	Angle:59.48deg	Diameter
3.281ft	6665,11040fc		3.749ft
1m	71742,118830lx		114.26cm
6.562ft	1666,2760fc		7.497ft
2m	17935,29707lx		228.52cm
9.843ft	740,6,1227fc		11.25ft
3m	7971,13203lx		342.78cm
13.12ft	416,6,690.0fc		14.99ft
4m	4484,7427lx		457.04cm
16.4ft	266,6,441.6fc		18.74ft
5m	2870,4753lx		571.29cm

Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

Height: Beam, Eavg, Emax

Angle:59.48deg

Diameter:

H(B) Range:-90 - 90DEG

H(B) Interval: 0.5DEG

Test Speed: HIGH

Temperature:25.3DEG

Operator:

Test Date:2025-06-14

V(B) Range:-90 - 90DEG

V(B) Interval: 0.5DEG

Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.265

Humidity:65.0%

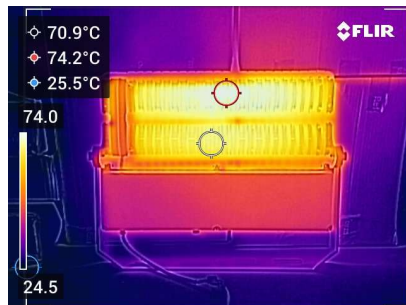
Test Distance:16.500m [K=1.0000]

Remarks:

THERMAL MANAGEMENT INFORMATION

ST-series LED Stadium Light

SL 450 STD CR 30 50 8 060 AT FULL 450W LOAD (AFTER 2 HOURS OF OPERATION)



BACK



FRONT



SIDE

ST 800 STD CR 30 50 8 060 AT FULL 800W LOAD (AFTER 2 HOURS OF OPERATION)



BACK



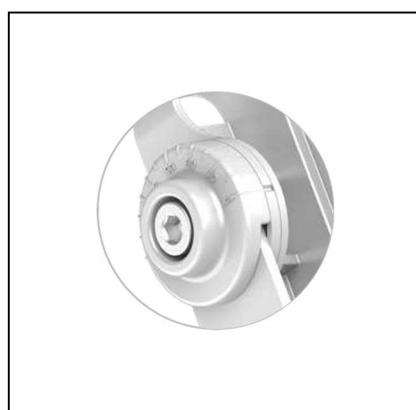
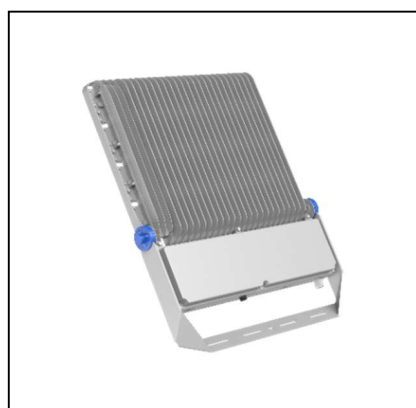
FRONT



SIDE

TECHNINĖ SPECIFIKACIJA

ST-serijos LED šviestuvai stadionams



5

YEARS
WARRANTY

GAMINIO APRAŠYMAS

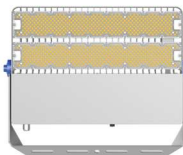
Vardinė galia [W]:	400 450 500 550 600 650 700 750 800 850 900 950 1000
Maitinimas:	180~480VAC 50~60 Hz
Darbinė temperatūra:	-40°C ~ +50°C
Darbinė drėgmė:	20% ~ 95% RH be kondensacijos
Atsparumas korozijai:	Aukštas — tinkamas tiek patalpų, tiek lauko montavimui, įskaitant drėgną ir pakrančių aplinką
Montavimo būdai:	Tvirtinimas prie laikiklio ant bet kokio paviršiaus
Min./Max. svoris:	8.50 kg - 12.50 kg
IP apsaugos klasė:	IP66
IK smūgio atsparumo klasė:	IK10
Saugumas:	CE EMC RoHS
Garantija:	5 metai (STD versija)
LED maitinimo šaltinio gamintojas:	Inventronics® NFM serijos (non-isolated) Lifud® FAA serijos (non-isolated)
Šviesos valdymo protokolai:	1-10V DIM, DALI-2 (pasirenkamas)
LED lustų gamintojas:	CREE®
LED lustų tipas:	SMD 3030 LED
LED optika:	30° 60° 90°
LED CCT [K]:	2700 3000 3500 4000 5000 5700 6500
LED CRI:	70 80 90
Šviestuvo efektyvumas esant 800W apkrovai:	> 165 lm/W
Pritaikymas:	Stadionai ir arenos, lauko sporto aikštynai, pramoniniai kiemai, didelės automobilių stovėjimo aikštelės, statybvietės

MODELIŲ BRĖŽINIAI

ST-serijos LED šviestuvai stadionams

ST-400-STD

MAITINIMAS 220V AC 50/60 Hz
VARDINĖ GALIA: 400W
LED LUSTŲ KIEKIS: 836 VNT.
OPTINIS LĘŠIS 418 * 2
SVORIS 8.50 kg

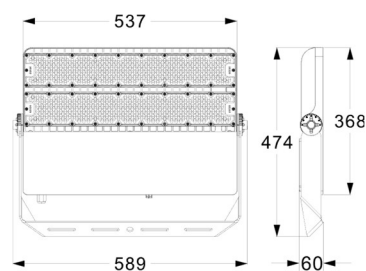


ST-450-STD

MAITINIMAS 220V AC 50/60 Hz
VARDINĖ GALIA: 450W
LED LUSTŲ KIEKIS: 836 VNT.
OPTINIS LĘŠIS 418 * 2
SVORIS 8.50 kg

ST-500-STD

MAITINIMAS 220V AC 50/60 Hz
VARDINĖ GALIA: 500W
LED LUSTŲ KIEKIS: 836 VNT.
OPTINIS LĘŠIS 418 * 2
SVORIS 8.50 kg

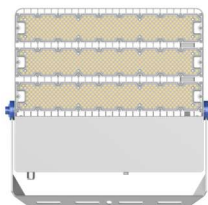


ST-550-STD

MAITINIMAS 220V AC 50/60 Hz
VARDINĖ GALIA: 550W
LED LUSTŲ KIEKIS: 836 VNT.
OPTINIS LĘŠIS 418 * 2
SVORIS 9.00 kg

ST-600-STD

MAITINIMAS 220V AC 50/60 Hz
VARDINĖ GALIA: 600W
LED LUSTŲ KIEKIS: 1254 VNT.
OPTINIS LĘŠIS 418 * 3
SVORIS 10.30 kg

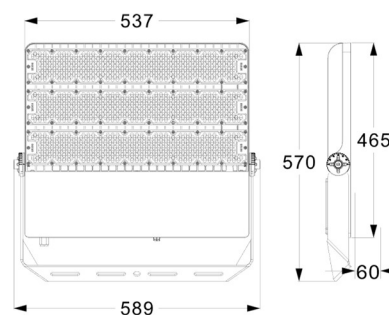
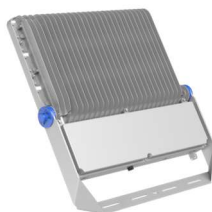


ST-650-STD

MAITINIMAS 220V AC 50/60 Hz
VARDINĖ GALIA: 650W
LED LUSTŲ KIEKIS: 1254 VNT.
OPTINIS LĘŠIS 418 * 3
SVORIS 10.30 kg

ST-700-STD

MAITINIMAS 220V AC 50/60 Hz
VARDINĖ GALIA: 700W
LED LUSTŲ KIEKIS: 1254 VNT.
OPTINIS LĘŠIS 418 * 3
SVORIS 10.70 kg



ST-750-STD

MAITINIMAS 220V AC 50/60 Hz
VARDINĖ GALIA: 700W
LED LUSTŲ KIEKIS: 1254 VNT.
OPTINIS LĘŠIS 418 * 3
SVORIS 10.70 kg

MODELIŲ BRĖŽINIAI

ST-serijos LED šviestuvai stadionams

ST-800-STD

MAITINIMAS 220V AC 50/60 Hz
VARDINĖ GALIA: 800W
LED LUSTŲ KIEKIS: 1672 VNT.
OPTINIS LĘŠIS 418 * 4
SVORIS 12.00 kg

ST-850-STD

MAITINIMAS 220V AC 50/60 Hz
VARDINĖ GALIA: 850W
LED LUSTŲ KIEKIS: 1672 VNT.
OPTINIS LĘŠIS 418 * 4
SVORIS 12.00 kg

ST-900-STD

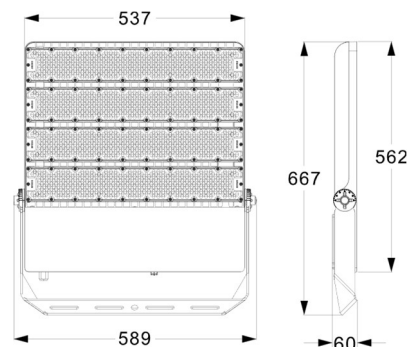
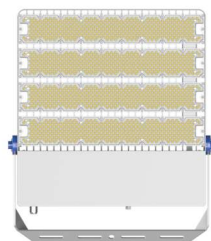
MAITINIMAS 220V AC 50/60 Hz
VARDINĖ GALIA: 900W
LED LUSTŲ KIEKIS: 1672 VNT.
OPTINIS LĘŠIS 418 * 4
SVORIS 12.50 kg

ST-950-STD

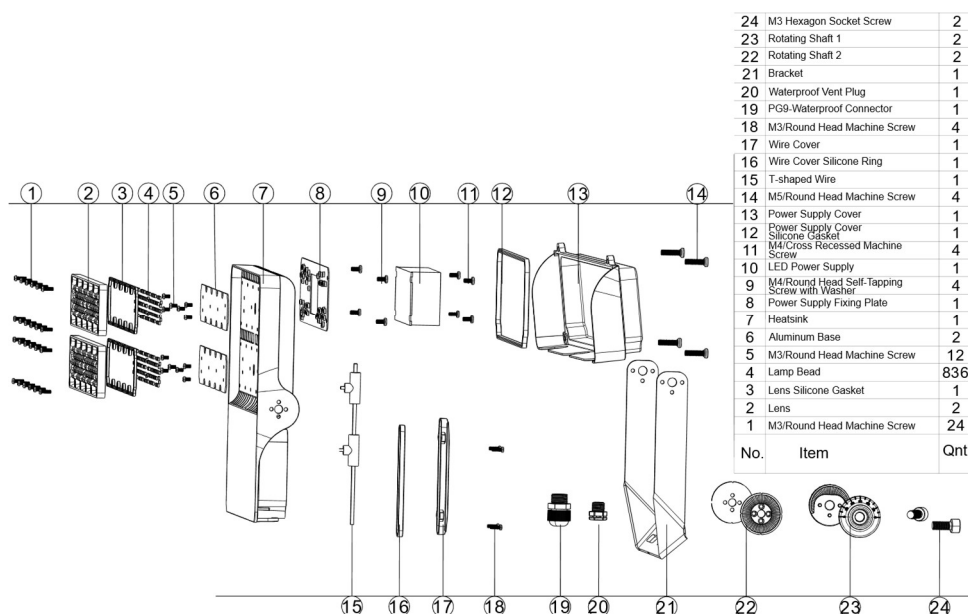
MAITINIMAS 220V AC 50/60 Hz
VARDINĖ GALIA: 950W
LED LUSTŲ KIEKIS: 1672 VNT.
OPTINIS LĘŠIS 418 * 4
SVORIS 12.50 kg

ST-1KW-STD

MAITINIMAS 220V AC 50/60 Hz
VARDINĖ GALIA: 1000W
LED LUSTŲ KIEKIS: 1672 VNT.
OPTINIS LĘŠIS 418 * 4
SVORIS 12.50 kg



IŠSKAIDYTAS BRĖŽINYS (ST-450-STD MODELIS)



TECHNINĖ INFORMACIJA

ST-serijos LED šviestuvus stadionams

PAGRINDINĖ INFORMACIJA

Gaminyš	LED šviestuvus stadionams
Serija	ST (STD versija)
Vardinė galia[W]	400 450 500 550 600 650 700 750 800 850 900 950 1000
Montavimo būdai	Tvirtinimas prie laikiklio ant bet kokio paviršiaus
Darbinė temperatūra	-40°C ~ +50°C
Darbinė drėgmė	20% ~ 95% RH
Garantija	5 metai (STD versija)

KORPUSAS IR PADENGIMAS

Medžiagos	Lietas iš ADC12 lydinio
Padengimas	Miltelinis dažymas
Standartinė spalva	Pilka
Optinis lęšis	UV-atsparus polikarbonatas
Atsparumas korozijai	Aukštas
IP apsaugos klasė	IP66
IK atsparumo smūgiams klasė	IK10

SAUGOS INFORMACIJA

CE ženklavimas	Directive 2014/35/EU (Low Voltage Directive)
Elektromagnetinis suderinamumas (EMC)	Directive 2014/30/EU (Electromagnetic Compatibility)
RoHS reikalavimai	Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU (Restriction of Hazardous Substances)
IP66	IP Rating tested according to IEC 60529
IK10	IK Rating tested according to IEC 62262

ELEKTROS INFORMACIJA

Maitinimas	180~480VAC 50~60 Hz
Elektros saugos klasė	Class I EU
Viršįtampių apsauga	DM 10Kv CM 10kV
LED maitinimo šaltinio gamintojas	Inventronics® NFM Gx/Mx series Non-isolated Lifud® FAA series Non-isolated
Galios koeficientas (PF) esant pilnai apkrovai	PF≥0.99/220VAC PF≥0.95/480VAC
Bendras harmoninis iškraipymas (THD)	220–240Vac 75%–100% load, THD≤10% 200–480Vac 70%–100% load, THD≤20%
Įjungimo srovė	480Vac: 2.09 A ² s 11.6ms. 220Vac: 7.50A 277Vac: 9.20A 400Vac: 13.7A 480Vac: 15.5A
Šviesos valdymo protokolai	1-10V DIM (pasirenkamas) DALI-2 (pasirenkamas)

OPTIKOS INFORMACIJA

LED lustų gamintojas	Cree®
LED CCT [K]	2700 3000 3500 4000 5000 5700 6500
LED CRI	CRI>70 CRI>80 CRI>90
LED lustų tipas	SMD3030
Šviesos sklaidos kampas	30° 60° 90°
Šviestuvo efektyvumas esant 800W apkrovai	> 165 lm/W



5

YEARS

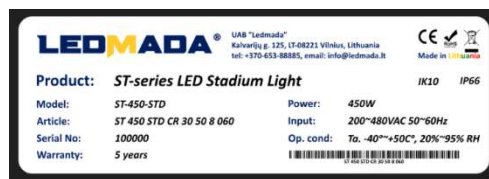
WARRANTY

UŽSAKYO&MODELIO&BIN KODŲ INFORMACIJA

ST-serijos LED šviestuvų stadionams

UŽSAKYO&MODELIO&BIN kodai ST-serijos LED šviestuvams stadionams yra išdėstyti šia tvarka

		Užsakymo kodas (Artikulas)									
		Modelio kodas					BIN kodas				
		S	T			S	T	D	C	R	3
Serija	SL – SL serija										
Vardinė galia [W]	400 – 400W 450 – 450W 500 – 500W 550 – 550W 600 – 600W 650 – 650W 700 – 700W 750 – 750W 800 – 800W 850 – 850W 900 – 900W 950 – 950W 1KW – 1000W										
Garantija	STD – 5 metai										
LED lustų gamintojas	CR – Cree®										
LED lustų tipas	30 – SMD 3030 LED										
CCT [K]	27 – 2700K 30 – 3000K 35 – 3500K 40 – 4000K 50 – 5000K 57 – 5700K 65 – 6500K										
CRI	7 – CRI ≥ 70 8 – CRI ≥ 80 9 – CRI ≥ 90										
Optika [Beam Angle LM79-19]	030 – 30° symm 060 – 60° symm 090 – 90° symm										
Šviesos valdymo protokolai	[Tuščia] – lo reguliuojamas per įmontuotą potenciometrą AB – lo reguliuojamas per įmontuotą potenciometrą ir 3 in 1 priėmimo funkciją (1 ~ 10 Vdc, 10 V PWM signalas ir varža) DA – lo reguliuojamas per įmontuotą potenciometrą ir DALI 2 valdymo technologiją										



⚠ GALIMOS UŽSAKYO&MODELIO&BIN KODŲ KOMBINACIJOS

S T X X X S T D C R 3 0 X X X X X X

□ - fiksuotos reikšmės

X - visos galimos reikšmės

Visi galimi UŽSAKYO&MODELIO&BIN ST-serijos LED šviestuvų stadionams kodai pateikti dokumente **Appendix „LIST OF ORDER&MODEL&BIN CODES FOR ST-SERIES LED STADIUM LIGHT“**.

GARANTIJOS INFORMACIJA IR ĮSPĖJIMAI**ST-serijos LED šviestuvus stadionams****⚠ GARANTIJA**

Šios aplinkybės nebus laikomos pagrindu suteikti pakeitimo garantiją:

- Garantinio laikotarpio metu, jei gaminys patirs kokybės trūkumų, bus suteikta teisė į jo pakeitimą pagal galiojančias garantijos sąlygas.
- Garantiniu laikotarpiu klientas privalo grąžinti sugadintas prekes arba sugedusias dalis, kad „Ledmada“ galėtų jas patikrinti ir suremontuoti. Vėliau „Ledmada“ išsiųs suremontuotas arba naujas dalis atgal.
- Teisė į gaminio pakeitimo garantiją bus suteikta tik pateikus galiojančius gaminio dokumentus.
- Sugadinimai, įvykę dėl nenormalių darbo sąlygų, netinkamo naudojimo arba saugojimo, kuris neatitinka šio techninio aprašymo, įskaitant, bet neapsiribojant jais.
- Produkto ardymas, modifikavimas, netinkamas montavimas arba taisymas be „Ledmada“ leidimo.
- Sugadinimai, atsiradę dėl aplinkos veiksnių, įskaitant, bet neapsiribojant gaisru, potvyniu, žaibo iškrova ar žemės drebėjimu.

⚠ ĮSPĖJIMAI

Siekiant išvengti gaisro, sprogo ar elektros smūgio pavojaus:

- Šį gaminį gali montuoti, tikrinti ir prižiūrėti tik kvalifikuotas elektrikas, laikantis visų taikomų elektros instaliacijos taisyklių.
- Patikrinkite, ar maitinimo laidai prijungti pagal galiojančias elektros instaliacijos taisykles.
- Šiame šviestuve esantį šviesos šaltinį ir maitinimo bloką gali pakeisti tik gamintojas arba jo įgaliotas serviso atstovas. Šviestuvo maitinimo kabelis nekeičiamas; jei kabelis pažeistas, šviestuvą turi būti utilizuotas.

Siekiant išvengti elektros smūgio:

- Įsitikinkite, kad elektros maitinimas būtų IŠJUNGTAS prieš ir montavimo metu.
- Gaminys turi būti prijungtas prie elektros instaliacijos, atitinkančios vietinius reikalavimus ir turinčios įžeminimo laidą.

Siekiant išvengti rankų nudegimo:

- Prieš atlikdami priežiūrą, įsitikinkite, kad šviestuvą po išjungimo būtų paliktas atvėsti bent 30 minučių.

Siekiant išvengti gaminio gedimo ar nusidėvėjimo:

- Negalima eksploatuoti gaminio aplinkos temperatūroje, viršijančioje techniniame aprašyme nurodytas ribas.
- Naudokite tinkamus maitinimo laidus, kaip nurodyta techniniame aprašyme. Įsitikinkite, kad maitinimo įtampa atitinka dokumente pateiktą įtampų diapazoną.
- Naudokite tik „Ledmada“ pateiktas atsargines dalis.
- Montavimui naudokite tik „Ledmada“ pateiktas arba lygiavertes tvirtinimo dalis.
- Neuždenkite šviestuvo jokia medžiaga, kuri trukdo šilumos sklaidai.
- Venkite montuoti gaminį šalia šilumos šaltinių. Nenaudokite gaminio aplinkoje, kurioje yra sieros, chloro ar kitų halogenidų, metilo acetato, etilo acetato, ciano akrilato, glikolio eterių, formaldehido ar butadieno.

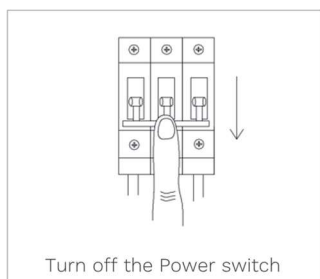
Siekiant išvengti gaminio nukritimo:

- Siekiant išvengti gaminio nukritimo, įsitikinkite, kad gaminys yra tinkamai sumontuotas, o visi montavimo elementai tvirtai pritvirtinti.
- Montavimo sistema, pritvirtinanti gaminį prie paviršiaus, turi atlaikyti ne mažesnę nei 50 kg apkrovą.

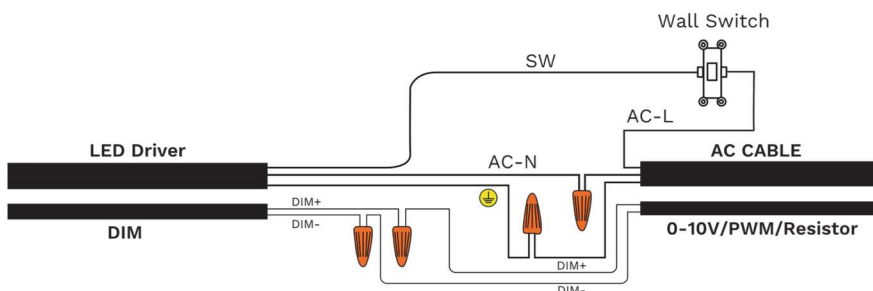
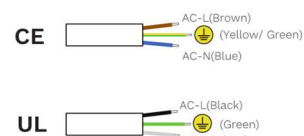
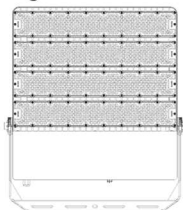
MONTAVIMO INFORMACIJA

ST-serijos LED šviestuvų stadionams

ELEKTROS JUNGTIŲ SCHEMA



⚠ Connecting the cable requires an IP66 Tightness level



TVIRTINIMAS PRIE LAIKIKLIO ANT BET KOKIO PAVIRŠIAUS

1 žingsnis

Išgręžkite tvirtinimo skyles, kurios tiksliai atitinka laikiklio skylių modelį. Išsamios laikiklio varžtų skylių specifikacijos pateikiamos žemiau.

2 žingsnis

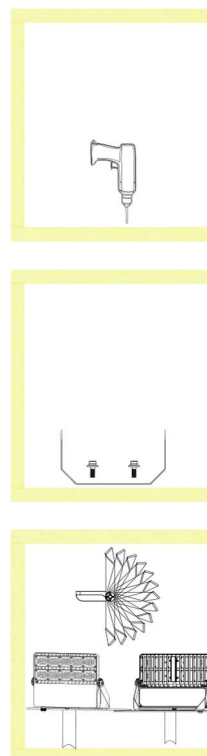
Sulygiuokite laikiklį su varžto anga, priveržkite varžtą ir pritvirtinkite laikiklį.

3 žingsnis

Teisingai nukreipkite lempų korpusą pagal montavimo išdėstymą. Pritvirtinkite varžtus, kurie pritvirtina laikiklį prie lempų korpuso.

4 žingsnis

Norėdami atlikti elektros jungtis, žiūrėkite elektros jungties schemą.

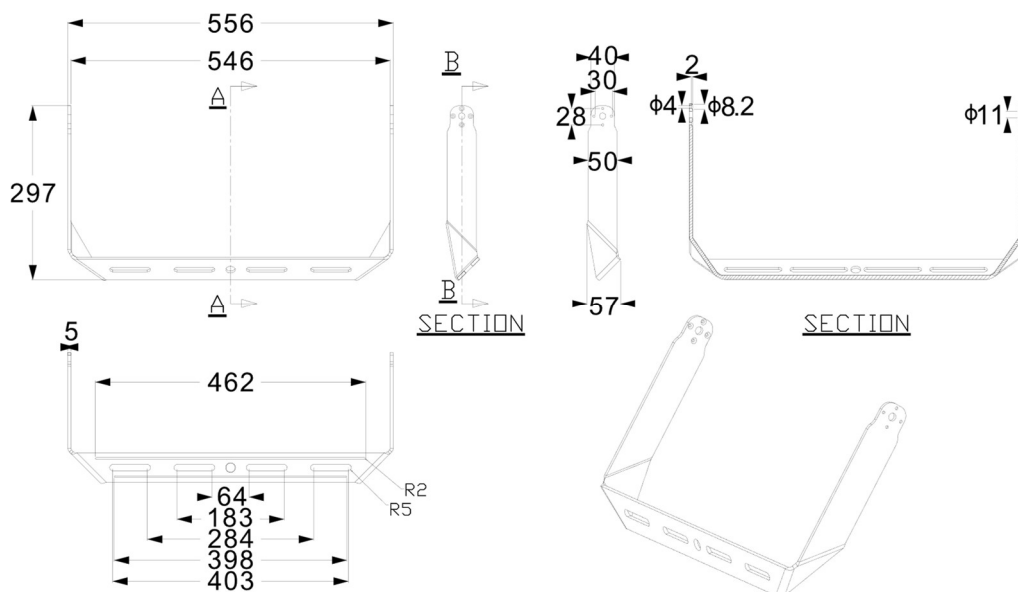


IŠSAMIOS LAIKIKLIO VARŽTŲ SKYLIŲ SPECIFIKACIJOS (PAGAL MODELIUS)

ST-400-STD
ST-450-STD
ST-500-STD
ST-550-STD

ST-600-STD
ST-650-STD
ST-700-STD
ST-750-STD

ST-800-STD
ST-850-STD
ST-900-STD
ST-950-STD
ST-1KW-STD



VALYMO INFORMACIJA

Svarbu išvalyti gaminį montuojant šviestuvą arba keičiant komponentus. Korpusą (metalinės dalis) reikia nuvalyti nuo dulkių ir nešvarumų. Prieš pradėdami valymo procesą, visada įsitikinkite, kad maitinimas yra atjungtas. Elektriniai komponentai ir kabeliai neturi kontaktuoti su vandeniu ar valymo priemonėmis.

Korpuso (metalinės dalių) valymas

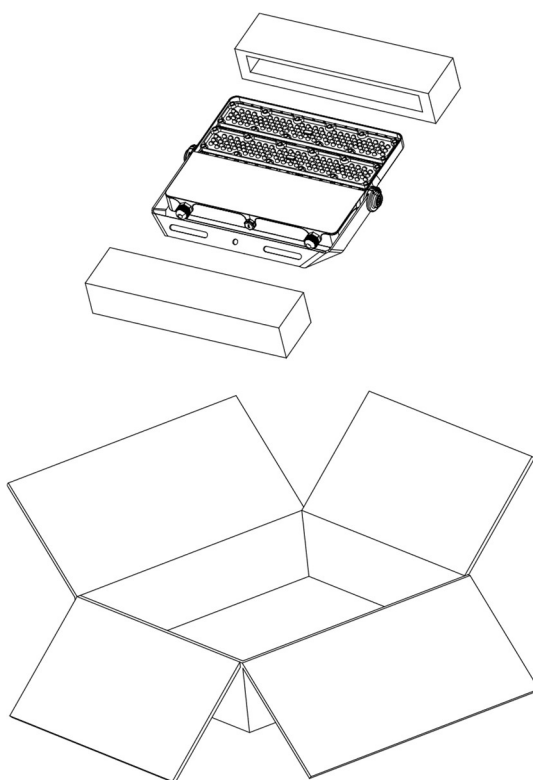
Siurbkite paviršių naudodami minkštą šepetėlį antgalį. Bendrai valant, naudokite neutralaus poveikio indų ploviklio tirpalą šiltame vandenyje arba neabrazyvinį valymo skystį. Džiovinimas: leiskite natūraliai išdžiūti kambario temperatūroje arba švelniai nuvalykite šiek tiek drėgna šluoste. Lengvam dulkėms ar smulkioms dalelėms pašalinti naudokite minkštą dulkių šluostę, mikropluošto neturinčią šluostę arba suspaustą orą. Lengvam nešvarumui: praskiesti citrinų rūgšties pagrindu pagamintą valiklį vandeniu. Valiklis turi būti neabrazyvinis, pH neutralus ir be alkoholio. Stipresniam nešvarumui, pavyzdžiui, riebalams ar alyvai, naudokite 1:1 alkoholio ir vandens mišinį (pvz., denatūruotas alkoholis). Likučius nuo alkoholio pagrindu pagamintų produktų pašalinkite vandeniu sudrėkinta medvilnine šluoste. Įsisenėjusiems dėmėms, pamirkykite paviršių praskiestame citriniame valiklyje. Galutinis džiovinimas: naudokite suspaustą orą arba švarią, sausa, be pluošto medvilninę šluostę.

Optika (plastiko dalių valymas)

Siurbkite paviršių naudodami minkštą šepetį arba pašalinkite dulkes suspaustu oru. Esant stipriam nešvarumui, naudokite neabrazyvinį valiklį šiltame vandenyje (max. 55 °C). Plaudami naudokite švarią, minkštą, be mikropluošto šluostę ir gausiai vandens. Kruopščiai nuplaukite šiltu vandeniu. Džiovinimas: leiskite natūraliai išdžiūti kambario temperatūroje arba švelniai nuvalykite šiek tiek drėgna, be mikropluošto šluoste.

PAKUOTĖS INFORMACIJA
ST-serijos LED šviestuvų stadionams

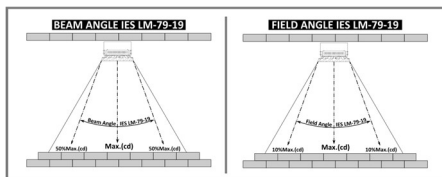
GAMINYS LED šviestuvų stadionams <i>HS CODE: 94054210</i>	KIEKIS/DĖŽĖ <i>(vnt)</i>	PAKUOTĖS DYDIS <i>(m)</i>	PAKUOTĖS TŪRIS <i>(m³)</i>	NETO SVORIS <i>(kg)</i>	BRUTTO SVORIS <i>(kg)</i>
ST-400-STD ST-450-STD ST-500-STD ST-550-STD	1	0,610 x 0,500 x 0,080	0,025	8,500 8,500 8,500 9,000	9,400 9,400 9,400 9,900
ST-600-STD ST-650-STD ST-700-STD ST-750-STD	1	0,610 x 0,590 x 0,080	0,029	10,300 10,300 10,700 10,700	11,300 11,300 11,700 11,700
ST-800-STD ST-850-STD ST-800-STD ST-850-STD ST-1KW-STD	1	0,690 x 0,610 x 0,150	0,034	12,000 12,000 12,500 12,500 12,500	13,100 13,100 13,600 13,600 16,600



OPTIKOS INFORMACIJA

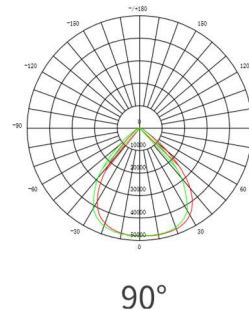
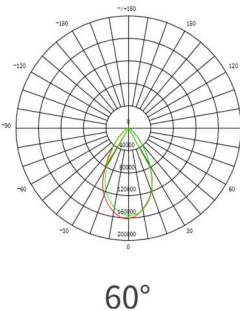
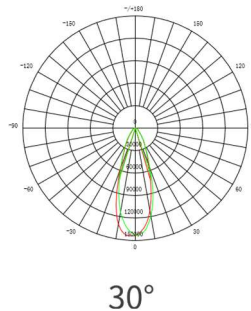
ST-serijos LED šviestuvus stadionams

OPTIKOS PASIRINKIMO REKOMENDACIJOS



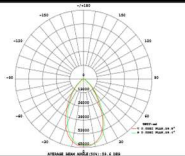
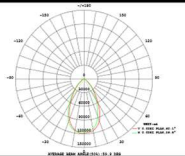
Beam Angle – Šviesos kampas, dar vadinamas šviesos spindulio pločiu, yra parametras, apibūdinantis žemyn nukreiptą šviesos kūgį, kurį skleidžia šviestuvus su reflektoriumi. Šviesos kampas matuojamas nuo krypties, kurioje lemputė skleidžia didžiausią šviesos intensyvumą, iki krypties, kurioje intensyvumas sumažėja iki 50 %. Kitaip tariant, lemputė su didesniu šviesos kampu paskleidžia šviesą plačiau.

SIMETRINIS



IŠTRAUKA IŠ GONIOFOTOMETRŲ SISTEMOS BANDYMO ATASKAITOS

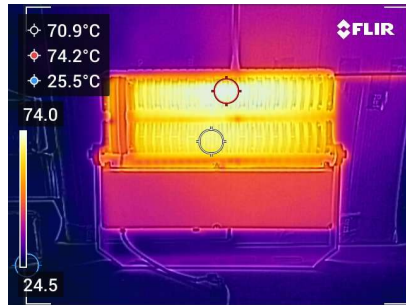
BEAM ANGLE (IES LM-79-19) 60° CREE SMD3030 CCT 5000K CRI>80

ST-500-STD GALIA 422.50W				ST-800-STD GALIA 792.30W																																																																																											
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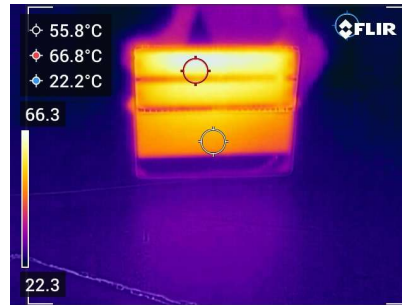
ŠILUMOS VALDYMO INFORMACIJA

ST-serijos LED šviestuvus stadionams

SL 450 STD CR 30 50 8 060 ESANT PILNAI 450W APKROVAI (PO 2 VALANDŲ VEIKIMO)



NUGARA



PRIEKIS



ŠONAS

ST 800 STD CR 30 50 8 060 ESANT PILNAI 800W APKROVAI (PO 2 VALANDŲ VEIKIMO)



NUGARA



PRIEKIS



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