



LED LIGHTING

2022

ABOUT COMPANY

FAROS LED is an international manufacturer of high-quality lighting equipment at affordable prices, which is a part of FAROS GROUP. The company has been operating since 2014 and is N°1 on the market of LED lighting for retail and office spaces!

Modern, continuously developing full-cycle production allows to produce more than 120 thousand luminaires per month. High quality allows us to be sure that our products will work at least 105,000 hours (12 years). It is ensured by strict control at every stage of a production line.

A wide product matrix includes more than 5,000 types of luminaires belonging to 50 families distinguished by design features and scope. The continuously updated range of FAROS luminaires meets the most actual needs of the lighting market.

We highly value our customers, which is why we offer excellent customer service: our dedicated area managers and back-office managers are always available for you.

One of our goal tasks is to anticipate the needs of the client.

Since 2018, FAROS LED has been a member of the Association of Manufacturers of LEDs.

Since 2021, the range of FAROS LED luminaires has been included in the Register of Russian-made products of the Ministry of Industry and Trade of the Russian Federation.

In 2022, the company has been included in the list of systemic companies of the Russian economy.

OUR MANUFACTURE

FAROS LED is a full cycle enterprise. The assembly and production workshops of the company occupy an area of more than 7,500 sq.m., where all the necessary structures and facilities are located to create high-quality lighting products of our own brand:

DESIGN DEPARTMENT

Owing to our FAROS development department, the company can create unique competitive lighting projects and solutions that constantly replenish the range of the FAROS lighting catalogue.

METAL PRODUCTION HALL

In this hall all the metal structures and housings for the company's LED luminaires are created. The metalworking complex includes high-tech equipment for laser cutting, milling, bending and resistance welding of metal.

PAINTING SHOP

It is represented by conveyor and dead-end lines for powder coating of workpieces with preliminary chemical surface treatment for better adhesion of colorants.

EXTRUSION LINES FOR POLYCARBONATE PROFILES AND LIGHTING SHEETS FROM THREE TYPES OF POLYSTYRENE

The products of this section of the FAROS production complex are used for the manufacture of diffusers and components for LED lamps.

THERMOPLASTING HALL

It manufactures products for LED-lamps based on polypropylene.

AUTOMATED ALUMINUM CASTING HALL

Produces components for several FAROS LED lighting products.

LINE FOR SM-SURFACE MOUNTING OF ELECTRONIC COMPONENTS ON A PRINTED BOARD

In addition to standard designs, the manufacture's capacities allow the production of non-standard products for individual orders.

SEMI-AUTOMATIC ASSEMBLY AND PACKAGING LINE

Stream assembly is carried out with subsequent packaging of finished products with a preliminary check for the performance of each product.

At the beginning of 2022, the capacity of FAROS LED manufactures sites allows the production of up to 120,000 LED luminaires for various purposes and specifications per month.

The work and production processes at FAROS are carried out in accordance with the international quality management standard ISO9001.

QUALITY CONTROL AND PARAMETERS

All produced and designed products are subjected to a detailed quality analysis with the participation of the following control departments:

TECHNOLOGICAL

LED equipment is tested for quality and performance, as well as compliance with international requirements for quality, environmental friendliness, and safety.

PHOTOMETRICAL

The testing laboratory, equipped with integrating photometers, goniophotometers and other instrumentation, measures the electrical, lighting, and spectral characteristics of FAROS lighting equipment.

FAROS LED products have all necessary certificates and documents confirming the equipment's performance at a level safe for humans and the environment, compliance with the declared characteristics and operational documentation. The average work life of a FAROS LED light source is close to 105,000 hours, which is equivalent to 12 years of use.



ADDITIONAL SERVICES

ILLUMINATION CALCULATOR

The calculation functionality is available for use on the official website of FAROS LED company. With its help, the customer will be able to independently evaluate the approximate volume of lighting equipment for rooms of one type or another, taking into account the individual characteristics of the project, its size and location of the workplace.

SERVICE OF SELECTION OF ANALOGUES

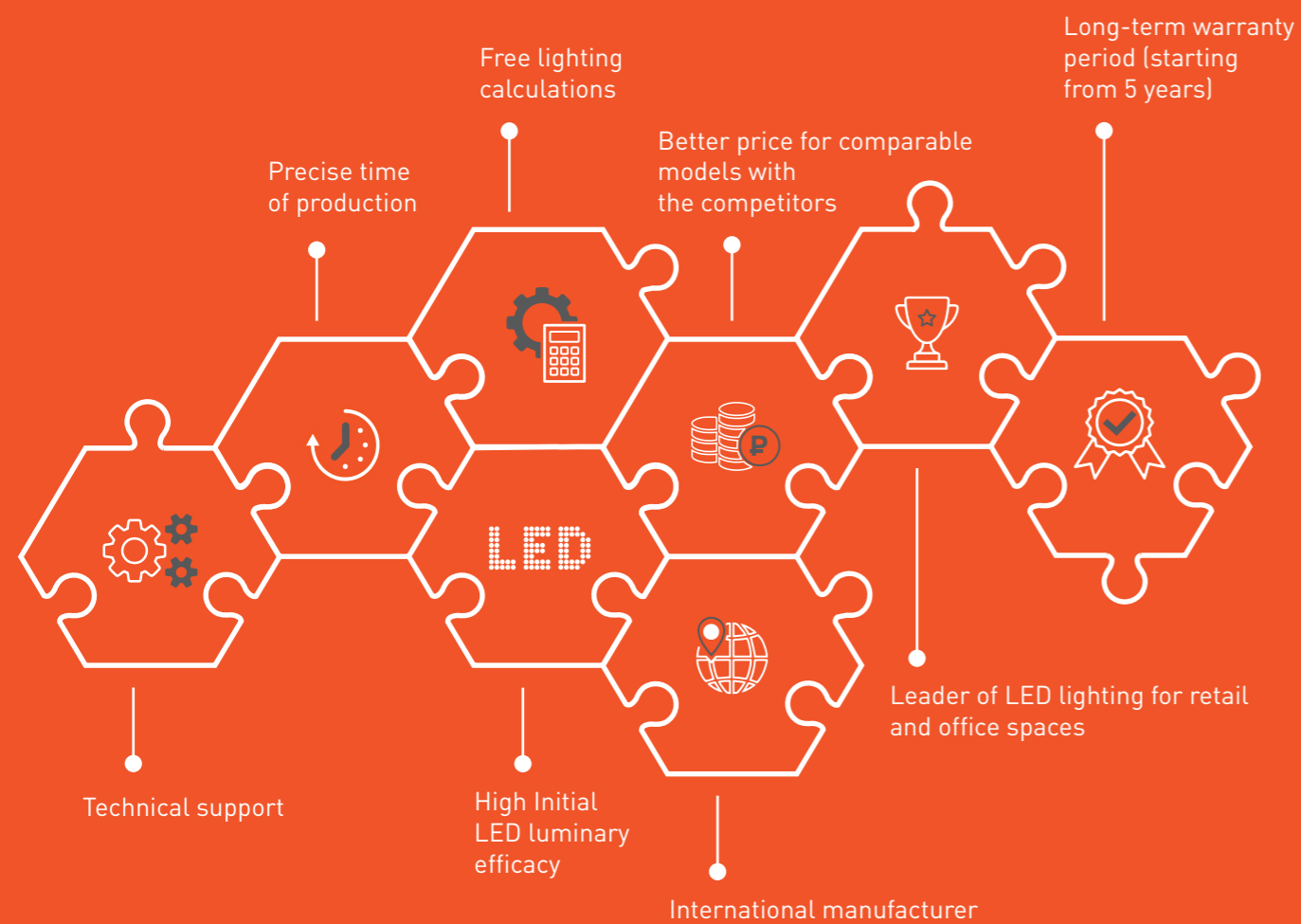
The IES file of competitor luminaires can be uploaded the form of the selection of analogues on the official website of FAROS LED, after such service will find an analogue from the product line of FAROS.



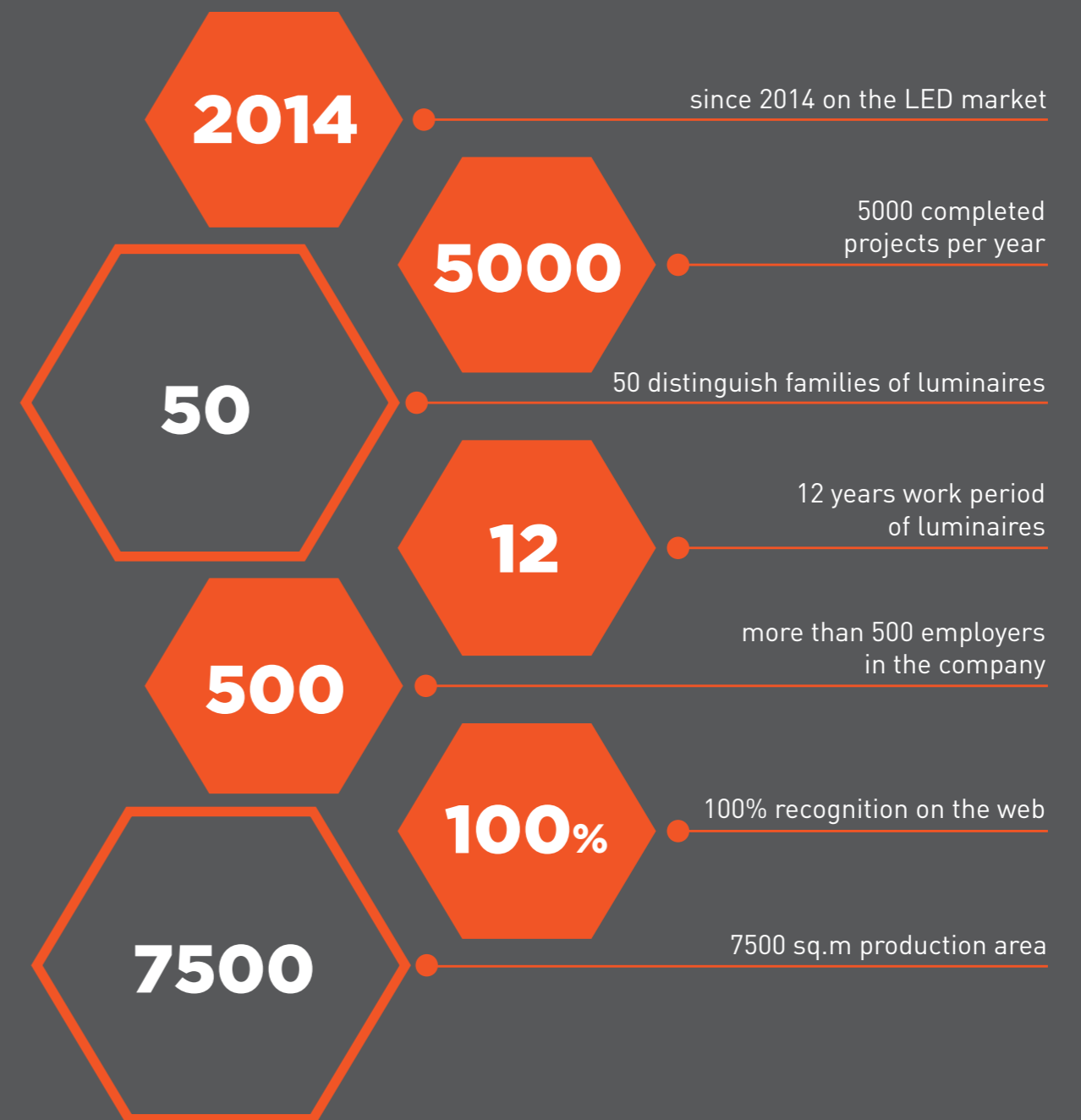
GOALS AND OBJECTIVES OF THE COMPANY

The main driving vector in the development of FAROS LED is a focus on results through the prism of the needs of customers. To this end, FAROS strives to create not only affordable LED luminaires, but also to make them as comfortable as possible in use for any area: from large industrial complexes to small office premises.

BENEFITS



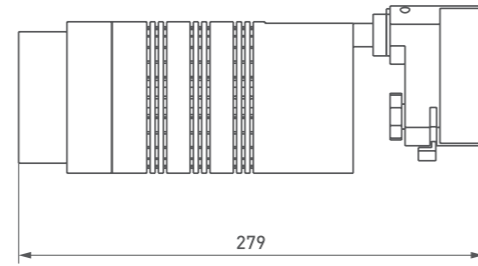
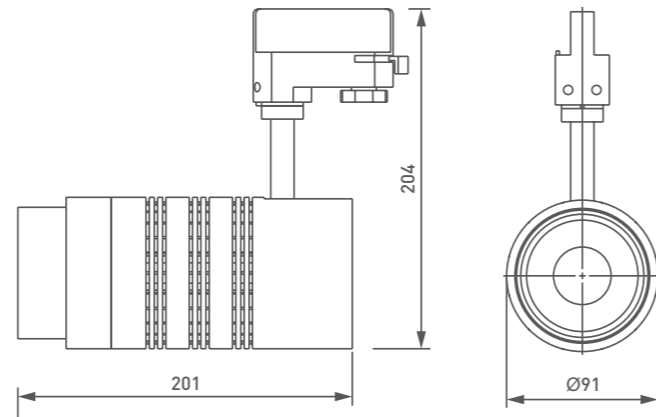
COMPANY IN NUMBERS



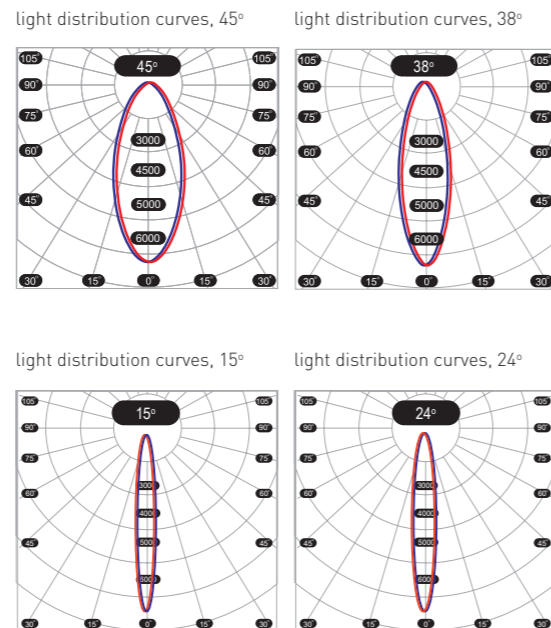
FT 91



DIMENSIONAL DRAWING



PHOTOMETRIC DATA (LIGHT DISTRIBUTION CURVES)



PRODUCT CODE FORMATION SCHEME

Input power, W	Special option	CCT, K	Type of light distribution curve
10	K-V	3000	PI16-60
20		4000	
30		5000	
40		6500	



INSTALLATION RECOMMENDATIONS

The luminaire is attached to the track system. Before installing the luminaire on the track system, turn the switch to the OFF position.

POPULAR MODIFICATIONS

Product code	Input power, W	Luminous flux, lm	Net weight, kg	Order code
FT 91 10W 3000K PI16-60	10	1100	0,8	00000012032
FT 91 20W 3000K PI16-60	20	2200	0,8	00000012407
FT 91 30W 3000K PI16-60	30	2900	0,8	00000012033
FT 91 40W 3000K PI16-60	40	3800	0,8	00000012583



ABOUT PRODUCT:

Aluminum projector luminaire for accent lighting of shops, boutiques, car dealerships, exhibition centers, workplaces. Compact dimensions and various modifications make it possible to illuminate various areas of storage. Special modifications for supermarket sections:

- For meat (Special Red)
- For seafood (Magic Ocean)
- For bakery (Golden Grain)
- For fruits and vegetables (Summer Light)

*Default color RAL 9016 (white), RAL 9005 (black)

FEATURES:

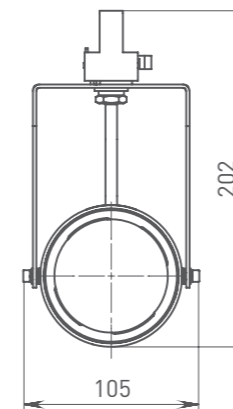
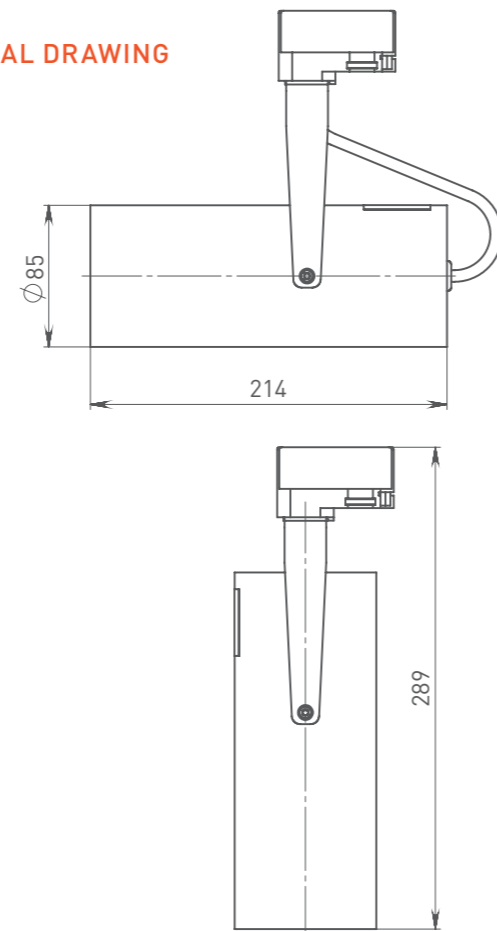
- Warranty period 5 years
- Different light distribution curves
- Different types of optical materials
- Recommended installation height - up to 3 meters





FT 85

DIMENSIONAL DRAWING








PRODUCT CODE FORMATION SCHEME

Input power, W	CRI	Color	CCT, K	Type of light distribution curve
30	80	RAL9005	3000	PI15
40	90	RAL9016	4000	PI24
			5000	PI36
			6500	PI45



ABOUT PRODUCT:

A track aluminum projector luminaire is designed for accent lighting of retail, exhibition areas and other facilities where additional directional lighting is required. Compact dimensions and various modifications allow lighting different areas of the store:

-  For clothes (Vivid White)
-  For meat (Special Red)
-  For seafood (Magic Ocean)
-  For bakery (Golden Grain)
-  For fruits and vegetables (Summer Light)

*Default color RAL 9016 (white), RAL 9005 (black)

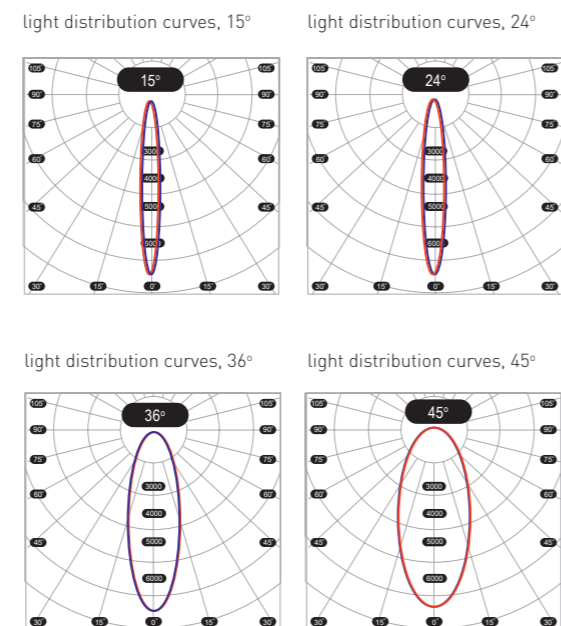
FEATURES:

- Warranty period 5 years
- Different light distribution curves
- Tilt adjustment of the lighting part



PHOTOMETRIC DATA

(LIGHT DISTRIBUTION CURVES)



INSTALLATION RECOMMENDATIONS

The luminaire is attached to the track system.

POPULAR MODIFICATIONS

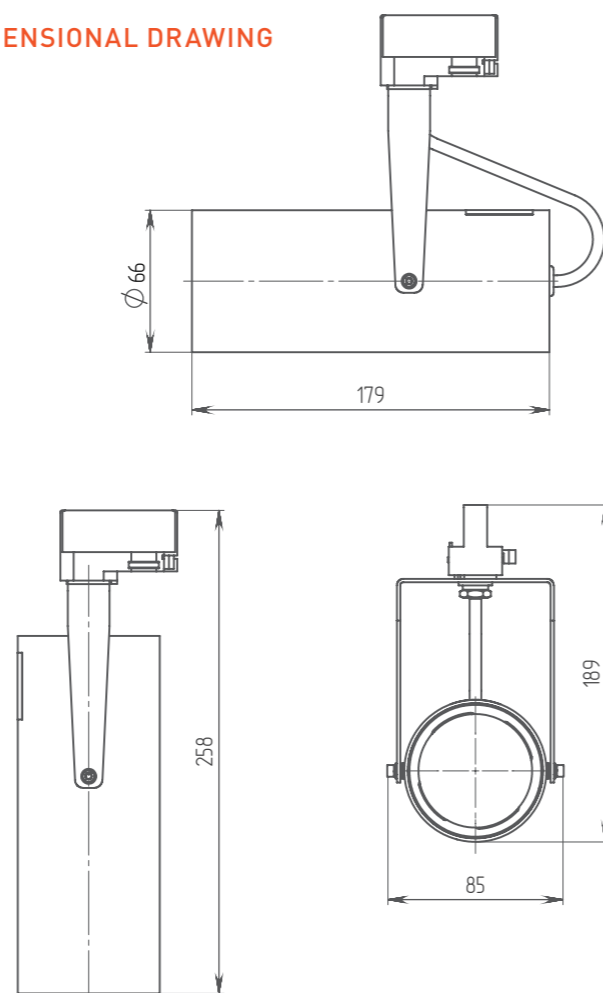
Product code	Input power, W	Luminous flux, lm	Net weight, kg	Order code
FT 85 30W CRI80 RAL9005 3000K PI15	30	2858	1	00000020723
FT 85 30W CRI80 RAL9005 3000K PI24	30	2870	1	00000020724
FT 85 30W CRI80 RAL9005 3000K PI36	30	2728	1	00000020725
FT 85 30W CRI80 RAL9005 3000K PI45	30	2682	1	00000020726
FT 85 30W CRI80 RAL9016 3000K PI15	30	2858	1	00000020659
FT 85 30W CRI80 RAL9016 3000K PI24	30	2870	1	00000020660
FT 85 30W CRI80 RAL9016 3000K PI36	30	2728	1	00000020661
FT 85 30W CRI80 RAL9016 3000K PI45	30	2682	1	00000020662
FT 85 40W CRI80 RAL9005 3000K PI15	40	3594	1	00000020747
FT 85 40W CRI80 RAL9005 3000K PI24	40	3655	1	00000020748
FT 85 40W CRI80 RAL9005 3000K PI36	40	3677	1	00000020749
FT 85 40W CRI80 RAL9005 3000K PI45	40	3457	1	00000020750
FT 85 40W CRI80 RAL9016 3000K PI15	40	3594	1	00000020683
FT 85 40W CRI80 RAL9016 3000K PI24	40	3655	1	00000020684
FT 85 40W CRI80 RAL9016 3000K PI36	40	3677	1	00000020685
FT 85 40W CRI80 RAL9016 3000K PI45	40	3457	1	00000020686





FT 65

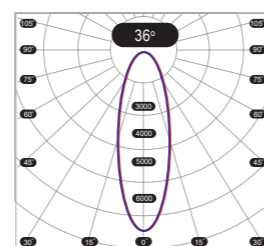
DIMENSIONAL DRAWING



PHOTOMETRIC DATA

(LIGHT DISTRIBUTION CURVES)

light distribution curves, 36°



ABOUT PRODUCT:

A track aluminum projector luminaire is designed for accent lighting of retail, exhibition areas and other facilities where additional directional lighting is required.

*Default color RAL 9016 (white)

FEATURES:

- Warranty period 5 years
- Different light distribution curves
- Tilt adjustment of the lighting part



PRODUCT CODE FORMATION SCHEME

Input power, W	Color	CCT, K	Type of light distribution curve
10	RAL9005	3000	PI36
20	RAL9016	4000	
	RAL9006	5000	

FT 65 XXW RALXXXX XXXXK PIXX

INSTALLATION RECOMMENDATIONS

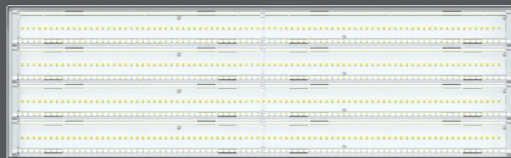
The luminaire is attached to the track system.

POPULAR MODIFICATIONS

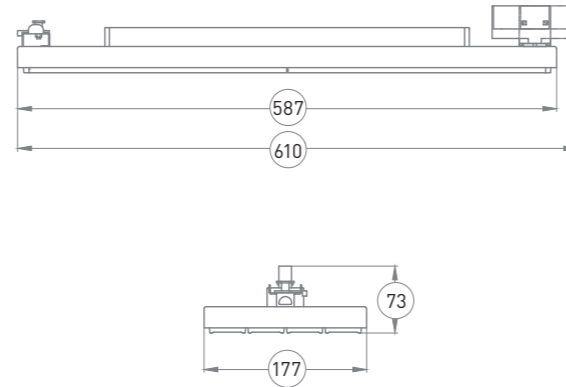
Product code	Input power, W	Luminous flux, lm	Net weight, kg	Order code
FT 65 10W RAL7038 3000K PI36	10	1011	0,77	00000028575
FT 65 10W RAL7038 4000K PI36	10	1094	0,77	00000028574
FT 65 10W RAL7038 5000K PI36	10	1075	0,77	00000028573
FT 65 10W RAL9005 3000K PI36	10	1011	0,77	00000028577
FT 65 10W RAL9005 4000K PI36	10	1094	0,77	00000028578
FT 65 10W RAL9005 5000K PI36	10	1075	0,77	00000028579
FT 65 10W RAL9016 3000K PI36	10	1011	0,77	00000024105
FT 65 10W RAL9016 4000K PI36	10	1094	0,77	00000028570
FT 65 10W RAL9016 5000K PI36	10	1075	0,77	00000028571
FT 65 20W RAL7038 3000K PI36	20	1713	0,77	00000028585
FT 65 20W RAL7038 4000K PI36	20	1869	0,77	00000028586
FT 65 20W RAL7038 5000K PI36	20	1837	0,77	00000028587
FT 65 20W RAL9005 3000K PI36	20	1713	0,77	00000028588
FT 65 20W RAL9005 4000K PI36	20	1869	0,77	00000028589
FT 65 20W RAL9005 5000K PI36	20	1837	0,77	00000028590
FT 65 20W RAL9016 3000K PI36	20	1713	0,77	00000028580
FT 65 20W RAL9016 4000K PI36	20	1869	0,77	00000028581
FT 65 20W RAL9016 5000K PI36	20	1837	0,77	00000028582



FT 185



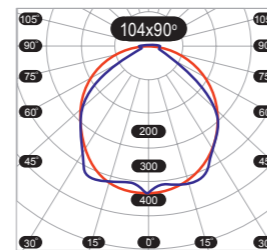
DIMENSIONAL DRAWING



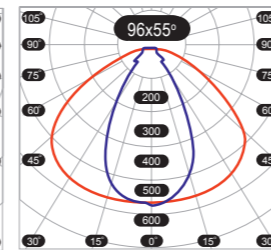
PHOTOMETRIC DATA

(LIGHT DISTRIBUTION CURVES)

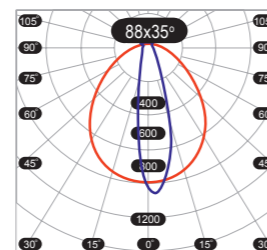
light distribution curves, 104x90°



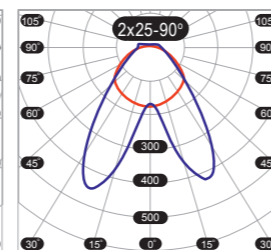
light distribution curves, 96x55°



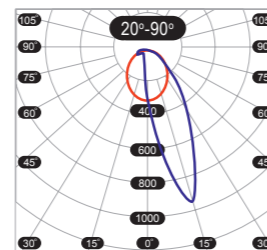
light distribution curves, 88x35°



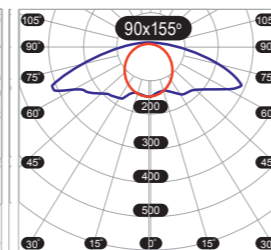
light distribution curves, 2x25-90°



light distribution curves, 90x20°



light distribution curves, 90x155°



ABOUT PRODUCT:

Projector luminaires for shops, residential buildings, studios, hotels, and office spaces. The luminaire dimensions are 587x177 mm. The housing is made of steel. It is possible to highlight different areas on the trading floor due to the different variations of the light distribution curves.

*Default color RAL 7005 (grey)

FEATURES:

- Warranty period 5 years
- Different light distribution curves
- Different types of optical materials
- Recommended installation height - up to 3 meters



PRODUCT CODE FORMATION SCHEME

Emergency driver	Input power, W	Color	CCT, K	Type of light distribution curve
EM	47 62	RAL	3000	PI96X55
			4000	PI2X25-90
			5000	PI104X90
			6000	PI88X35
				PI90X155
				PI90X20

Optional	Optional	Optional
XX	XXW	XXX
XXXXK		PIXXX

FT 185 XX XXW XXX XXXXK PIXXX

INSTALLATION RECOMMENDATIONS

Turn the switch to the OFF position before installing the luminaire on the track system. The luminaire is attached to the track system using an eccentric on the adapter and the fixing element.

POPULAR MODIFICATIONS

Product code	Input power, W	Luminous flux, lm	Net weight, kg	Order code
FT 185 62W 3000K PI96X55	62	9109	2,8	00000016647
FT 185 62W 3000K PI2X25-90	62	9093	2,8	00000016645
FT 185 62W 3000K PI104X90	62	8935	2,8	00000014253
FT 185 62W 3000K PI90X155	62	8805	2,8	00000016646
FT 185 62W 3000K PI90X20	62	8674	2,8	00000014237
FT 185 47W 3000K PI96X55	47	6500	2,8	00000017463
FT 185 47W 3000K PI2X25-90	47	6671	2,8	00000017461
FT 185 47W 3000K PI104X90	47	6524	2,8	00000017458
FT 185 47W 3000K PI90X155	47	6398	2,8	00000017462
FT 185 47W 3000K PI90X20	47	6336	2,8	00000017460



FT 81



ABOUT PRODUCT:

Recessed spotlight in a rounded shape for lighting sales areas and office spaces. The body is made of aluminum.

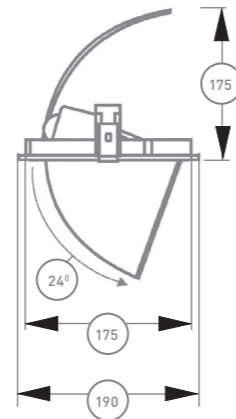
*Default color RAL 9016 (white)

FEATURES:

- Warranty period 5 years
- Module angle adjustment
- Housing material is aluminum
- Recommended installation height - up to 3 meters



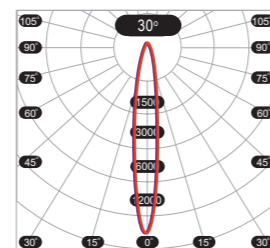
DIMENSIONAL DRAWING



PHOTOMETRIC DATA

(LIGHT DISTRIBUTION CURVES)

light distribution curves, 30°



PRODUCT CODE FORMATION SCHEME

Input power, W	CCT, K
28	3000
35	4000
	5000
	6500



INSTALLATION RECOMMENDATIONS

Fixation by means of spring fasteners. Recommended installation height is up to 3 meters.

POPULAR MODIFICATIONS

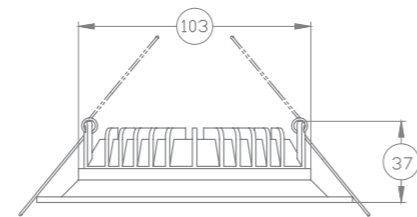
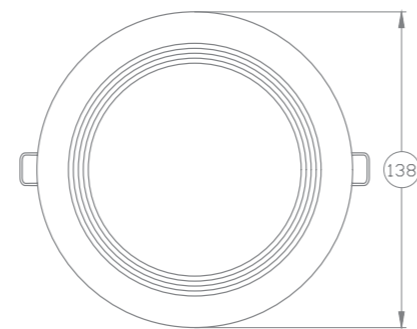
Product code	Input power, W	Luminous flux, lm	Net weight, kg	Order code
FT 81 28W 3000K	28	2220	0,7	00000010617
FT 81 28W 5000K	28	2294	0,7	00000010619



FT 250

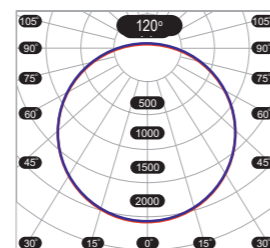


DIMENSIONAL DRAWING



PHOTOMETRIC DATA (LIGHT DISTRIBUTION CURVES)

light distribution curves, 120°



ABOUT PRODUCT:

Recessed spotlight in a rounded shape for lighting sales areas and office spaces. The body is made of aluminum.

*Default color RAL 9016 (white)

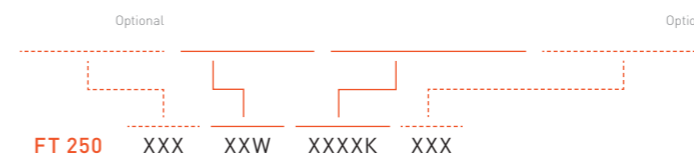
FEATURES:

- Warranty period 5 years
- IP 54 protection
- Emergency driver
- Housing material is aluminum



PRODUCT CODE FORMATION SCHEME

Emergency driver	Input power, W	CCT, K	OEM
EM	10	3000	OEM(M)
		4000	
		5000	
		6500	



INSTALLATION RECOMMENDATIONS

Fixation by means of spring fasteners. Recommended installation height is up to 3 meters.

POPULAR MODIFICATIONS

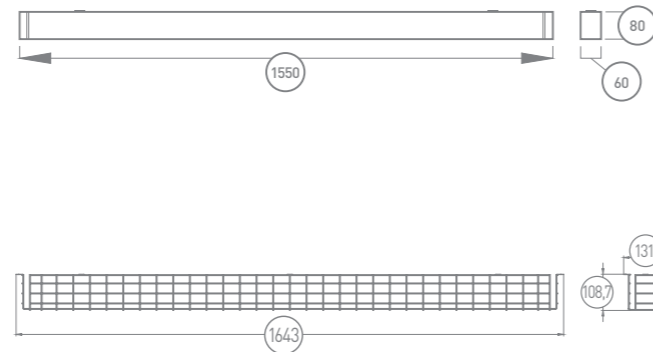
Product code	Input power, W	Luminous flux, lm	Net weight, kg	Order code
FT 250 10W 4000K	10	1125	0,45	00000012912
FT 250 10W 5000K	10	1112	0,45	00000018281



FG 60



DIMENSIONAL DRAWING



ABOUT PRODUCT:

Linear luminaire with high IP aluminum housing. The luminaire dimensions are 1550x60x80 mm. Made for lighting public halls, office, hotels, and warehouses.

*Default color RAL 9006 (grey)

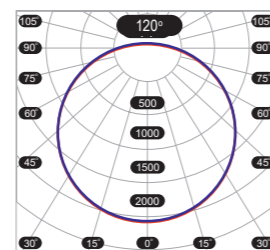
FEATURES:

- Warranty period 5 years
- Emergency driver
- Different optical covers

PHOTOMETRIC DATA

(LIGHT DISTRIBUTION CURVES)

light distribution curves, 120°



PRODUCT CODE FORMATION SCHEME

Emergency driver	Communication protocol	Input power, W	Color	CCT, K	Optical cover
EM	1-10 DALI	33	RAL	3000	OPAL
		40		4000	PRISM
		43		5000	ICE
		45		6000	CRYSTAL
		50			
		60			
		62			
		70			



INSTALLATION RECOMMENDATIONS

Way of installation is without a gap on brackets (ceiling, wall), on cable hangers, using a pin, swivel bracket (hang at an angle).

POPULAR MODIFICATIONS

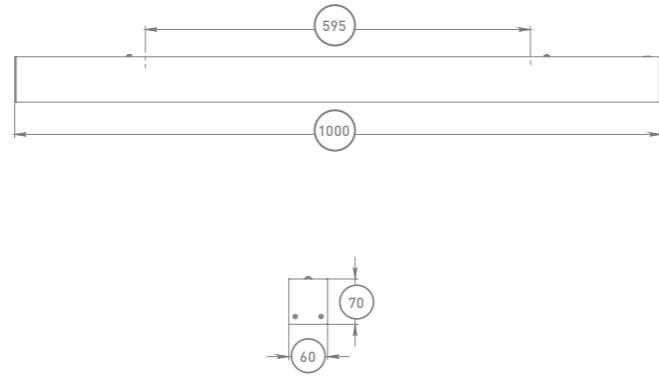
Product code	Input power, W	Luminous flux, lm	Net weight, kg	Order code
FG 60 45W 5000K PRISM	45	6108	2,9	00000009128
FG 60 60W 5000K PRISM	60	7759	2,9	00000009134
FG 60 70W 5000K PRISM	70	8787	2,9	00000009091
1-10				
FG 60 1-10 33W 5000K CRYSTAL	33	4958	2,9	00000016453
FG 60 1-10 45W 5000K CRYSTAL	45	7063	2,9	00000016462
FG 60 1-10 62W 5000K CRYSTAL	62	9234	2,9	00000016471





FL 60 DESIGN

DIMENSIONAL DRAWING



ABOUT PRODUCT:

Rectangular linear luminaire with dimensions - 1000x60x70 mm. Such luminaire works on the principle of a constructor: it can be used to implement the most original design solutions in stores, public halls, office, hotels, and supermarkets.

*Default color RAL 9006 (grey)

FEATURES:

- Warranty period 5 years
- IP 40 protection
- Various types of prepared solutions
- Different types of connections

INSTALLATION RECOMMENDATIONS

Installation:

- on cable hangers through a rivet nut on the housing;
- on the stud through the rivet nut on the housing.

The luminaire can be mounted separately or built into a closed lighting design by means of L/ Y/ T/ X - shaped connections.

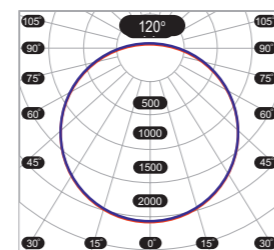
When creating a single light line, the network cable is connected to a group of FL 60 luminaires depending on the power (according to the standard table), since FL 60 DESIGN has transit wiring, this luminaire, completing the line, is also connected to a common group of luminaires FL 60.

Maximum permissible load on transit wiring: 400 W (total power of luminaires and their design elements included in a chain with one power input)

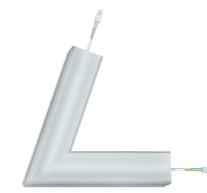
PHOTOMETRIC DATA

(LIGHT DISTRIBUTION CURVES)

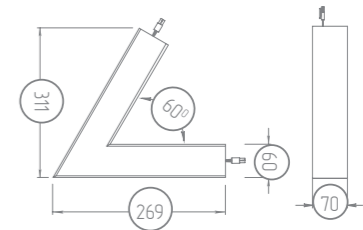
light distribution curves, 120°



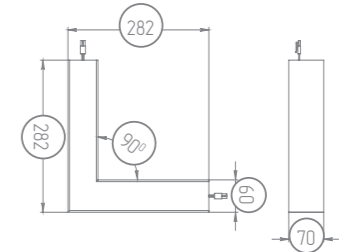
TYPES OF CONNECTIONS



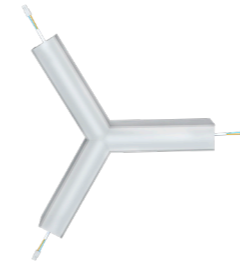
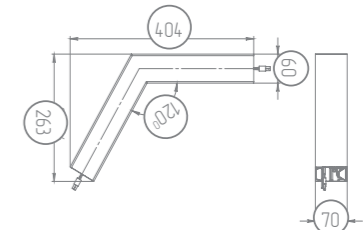
FL 60 DESIGN FORM-L 60
L - shaped 60°



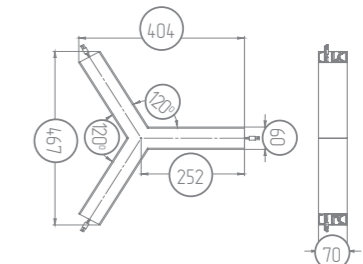
FL 60 DESIGN FORM-L 90
L - shaped 90°



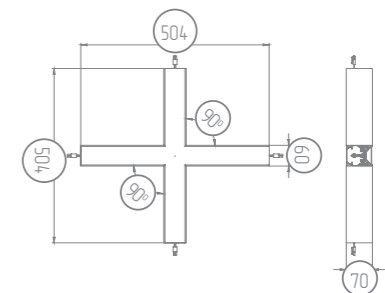
FL 60 DESIGN FORM-L 120
L - shaped 120°



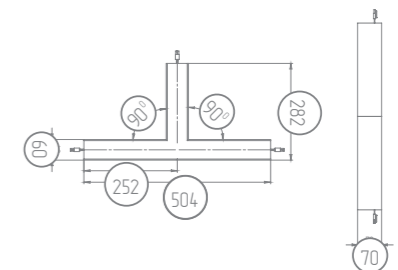
FL 60 DESIGN FORM-Y 120
Y - shaped 120°



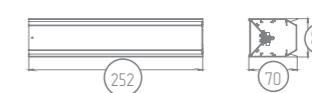
FL 60 DESIGN FORM-X 90
X - shaped 90°



FL 60 DESIGN FORM-T 90
T - shaped 90°



FL 60 DESIGN FORM-END
direct connection END



PRODUCT CODE FORMATION SCHEME

Emergency driver	Input power, W	Design	Color	CCT, K	Optical cover
EM	17	DESIGN	RAL	3000	OPAL
	24			4000	ICE
	30			5000	PRISM
	48			6000	CRYSTAL
	52				

Optional	Optional
XX	XXXXK

FL 60 XX XXW DESIGN XXX XXXK XXXX

TABLE OF MODIFICATIONS

Product code	Input power, W	Luminous flux, lm	Net weight, kg	Order code
FL 60 17W DESIGN 5000K PRISM	17	2112	3	00000028664
FL 60 17W DESIGN 5000K OPAL	17	1779	3	00000018898
FL 60 17W DESIGN 5000K CRYSTAL	17	2503	3	00000018899
FL 60 30W DESIGN 5000K PRISM	30	3631	3	00000018917
FL 60 30W DESIGN 5000K CRYSTAL	30	4283	3	00000018915
FL 60 48W DESIGN 5000K PRISM	48	5413	3	00000025641
FL 60 48W DESIGN 5000K OPAL	48	5032	3	00000020105
FL 60 DESIGN 52W 5000K PRISM	52	5812	3	00000027770

TABLE OF MODIFICATIONS FOR TYPES OF CONNECTIONS

Product code	Connection angle/angles, °	Net weight, kg	Order code
FL 60 DESIGN FORM-L90 4000K OPAL	90	0,9	00000023492
FL 60 DESIGN FORM-L90 5000K OPAL	90	0,9	00000023804
FL 60 DESIGN FORM-L120 4000K OPAL	120	0,9	00000021422
FL 60 DESIGN FORM-Y120 4000K OPAL	120	0,9	00000021428
FL 60 DESIGN FORM-T90 4000K OPAL	90	0,9	00000021434
FL 60 DESIGN FORM-T90 5000K OPAL	90	0,9	00000023803
FL 60 DESIGN FORM-END 4000K OPAL	180	0,9	00000021949



Point the phone at the photo and it will come to life!



Watch us on **YouTube**



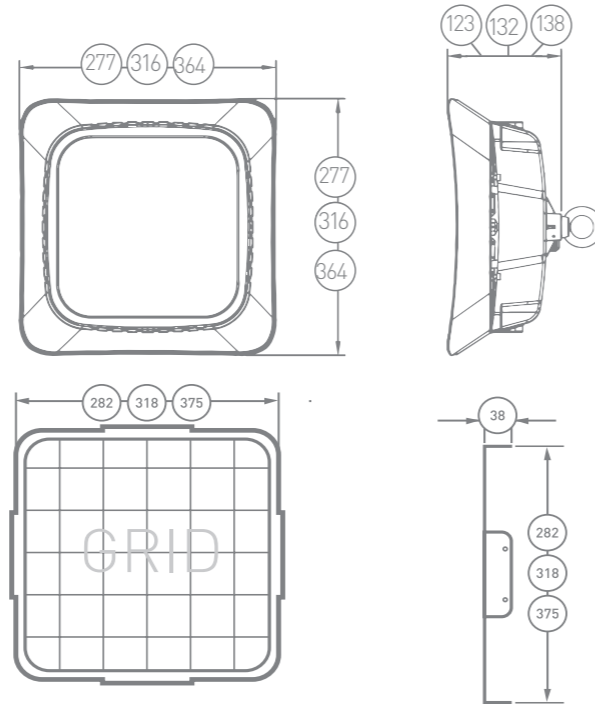
Download the app





FD 112

DIMENSIONAL DRAWING

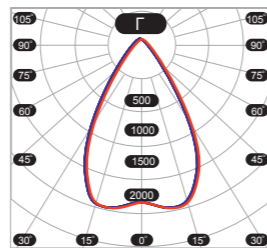


INSTALLATION RECOMMENDATIONS

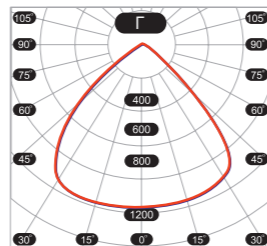
Bracket installation.
Suspension of the lamp on the eyebolt. Hard fixing provided. Turn in both directions. Turn moves -20 degrees.
The carabiner provides insurance against a sudden fall and a safe installation.

PHOTOMETRIC DATA (LIGHT DISTRIBUTION CURVES)

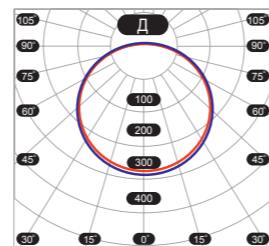
light distribution curves, 60°



light distribution curves, 90°

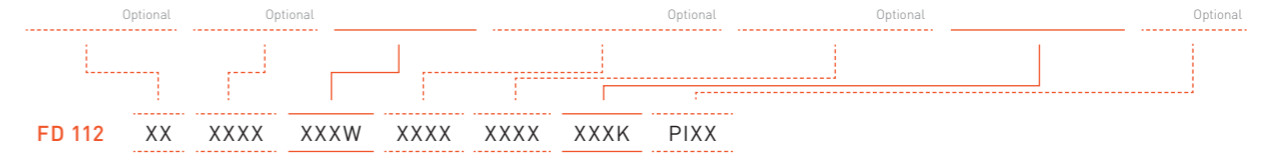


light distribution curves, 120°



PRODUCT CODE FORMATION SCHEME

Emergency driver	Protective grille	Input power, W	Housing mounting options	Communication protocol	CCT, K	Optic type
EM	GRID	100 150 200	BRACKET	DALI	3000 4000 5000	PI60 PI90



POPULAR MODIFICATIONS

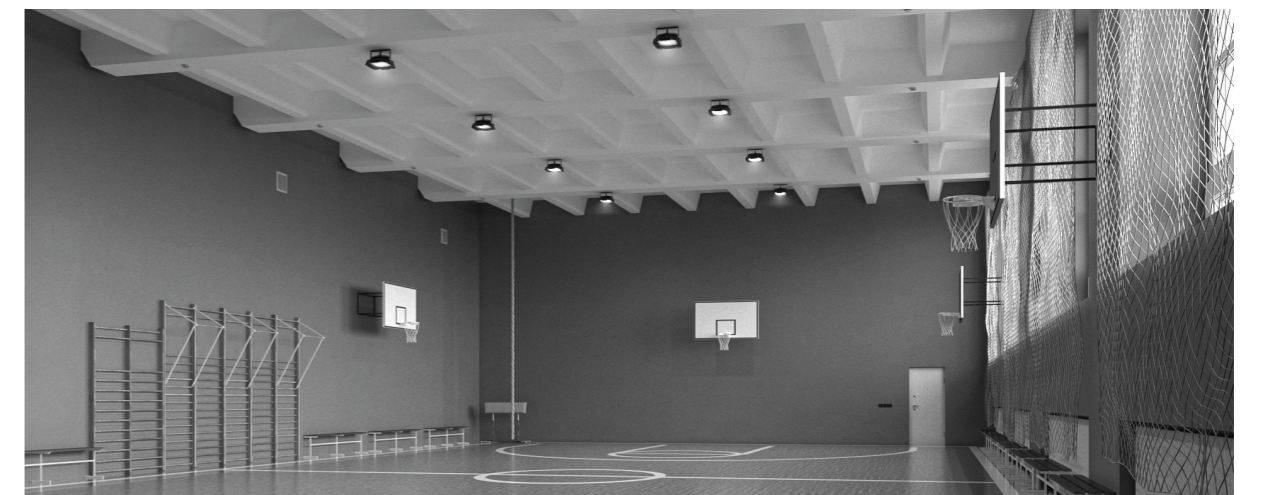
Product code	Input power, W	Luminous flux, lm	Net weight, kg	Order code
FD 112 100W 5000K PI90	100	14421	2,7	00000015047
FD 112 100W 5000K	100	14996	2,7	00000015048
FD 112 150W 5000K PI90	150	22160	3,8	00000015050
FD 112 150W 5000K	150	23237	3,8	00000015051
FD 112 200W 5000K PI90	200	30104	4,9	00000015053
FD 112 200W 5000K	200	32302	4,9	00000015054

DALI

FD 112 DALI 100W 5000K PI90	100	14559	2,7	00000020973
FD 112 DALI 100W 5000K	100	15058	2,7	00000020971
FD 112 DALI 150W 5000K PI90	150	21647	3,8	00000020981
FD 112 DALI 150W 5000K	150	22806	3,8	00000020977
FD 112 DALI 200W 5000K PI90	200	29430	4,9	00000020991
FD 112 DALI 200W 5000K	200	31558	4,9	00000020989

GRID

FD 112 GRID 100W 5000K PI90	100	12826	2,7	00000025144
FD 112 GRID 100W 5000K	100	13022	2,7	00000025149
FD 112 GRID 150W 5000K PI90	150	19232	3,8	00000025152
FD 112 GRID 150W 5000K	150	18799	3,8	00000025150
FD 112 GRID 200W 5000K PI90	200	27406	4,9	00000025153
FD 112 GRID 200W 5000K	200	25960	4,9	00000025155



ABOUT PRODUCT:

The luminaire is made in an aluminum housing, with a high level of protection IP65 and a warranty period of 8 years. It is designed for lighting warehouses, retail and industrial spaces, sport infrastructure and other territories.

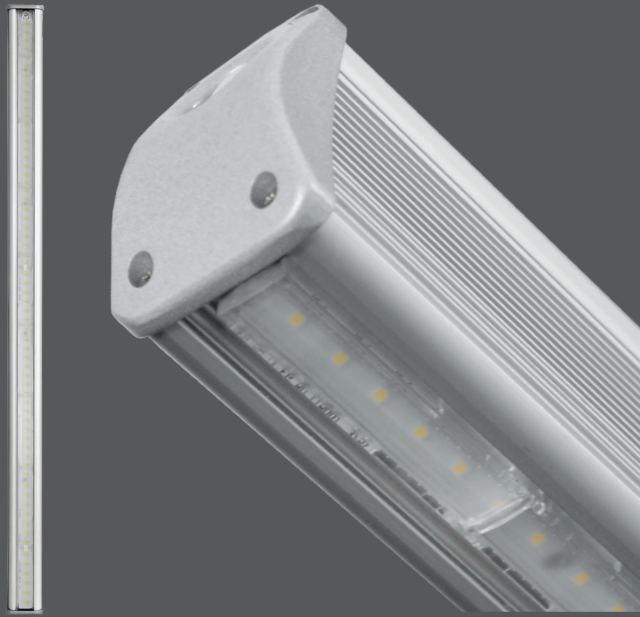
*Default color RAL 9005 (black)

FEATURES:

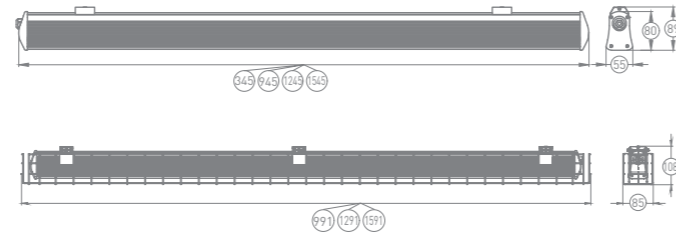
- Warranty period 8 years
- Recommended installation height - up to 12 meters
- Different light distribution curves
- Modification with protective grille



FG 50



DIMENSIONAL DRAWING



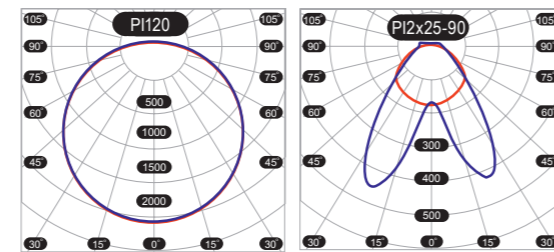
INSTALLATION RECOMMENDATIONS

There is possibility to install a cable suspension directly on the bracket on the body of the luminaire. The luminaire can be installed on a bearing surface using the swivel bracket. In an overhead way, the luminaire is attached to the bearing surface with the help of fastening brackets.

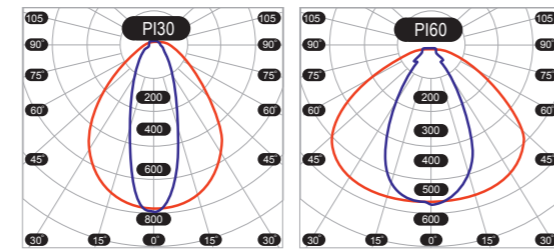
PHOTOMETRIC DATA

(LIGHT DISTRIBUTION CURVES)

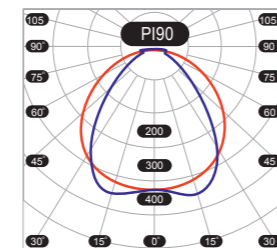
light distribution curves, 120° light distribution curves, 2x25-90°



light distribution curves, 30° light distribution curves, 60°



light distribution curves, 90°



ABOUT PRODUCT:

Narrow luminaire made of anodized aluminum with high IP65 and dimensions 345/945/1245/1545x55 mm. Designed for lighting industrial and warehouse premises, trading floors, gas stations, housing and communal services, territories with auto stations.

FEATURES:

- Warranty period 5 years
- Different light distribution curves
- Recommended installation height – from 5 to 12 meters
- Made from durable materials
- Modification with explosion-proof
- Modification with remote driver and terminal block



PRODUCT CODE FORMATION SCHEME

Communication protocol	Emergency driver	Input power, W	Special option	Color	Optic type	CCT, K	Optical cover
DALI	EM	20	K-V	RAL	PI2X25-90	3000	OPAL
PWM		30	CREE		PI30	4000	CRYSTAL
		40	EX		PI60	5000	
		45			PI90	6000	
		55					
		75					
		100					



POPULAR MODIFICATIONS

Product code	Input power, W	Luminous flux, lm	Dimensions, mm	Net weight, kg	Order code
FG 50 20W 5000K CRYSTAL	20	1975	345X55X80(89)	1,8	00000007413
FG 50 30W 5000K CRYSTAL	30	3582	945X55X80(89)	2	00000009953
FG 50 40W 5000K CRYSTAL	40	4575	945X55X80(89)	3	00000006255
FG 50 45W 5000K CRYSTAL	45	5375	1245X55X80(89)	3	00000006116
FG 50 55W 5000K CRYSTAL	55	6359	1245X55X80(89)	3	00000009007
FG 50 75W 5000K CRYSTAL	75	9176	1545X55X80(89)	3,8	00000009028
FG 50 100W 5000K CRYSTAL	100	11565	1545X55X80(89)	3,8	00000009004

DALI

FG 50 DALI 32W 5000K OPAL	32	3710	945X55X80(89)	2	00000024654
FG 50 DALI 42W 5000K OPAL	42	4610	945X55X80(89)	2	00000024655
FG 50 DALI 46W 5000K OPAL	46	4364	1245X55X80(89)	3	00000024656
FG 50 DALI 57W 5000K OPAL	57	5273	1245X55X80(89)	3	00000024659
FG 50 DALI 76W 5000K OPAL	76	6662	1545X55X80(89)	3,8	00000024660
FG 50 DALI 112W 5000K OPAL	112	9229	1545X55X80(89)	3,8	00000012264

PWM

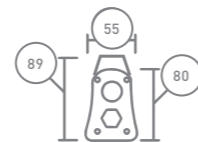
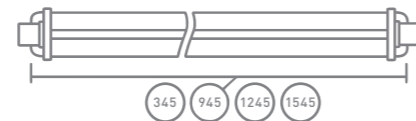
FG 50 PWM 75W 5000K CRYSTAL PI30	75	8588	1545X55X80(89)	3,8	00000018754
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FG 55



DIMENSIONAL DRAWING



ABOUT PRODUCT:

Narrow luminaire made of anodized aluminum with high IP65 and dimensions 345/945/1245/1545x55x80(89) mm. Designed for lighting industrial and warehouse premises, trading floors, gas stations, housing and communal services, territories with auto stations.

*Default color RAL 9006 (grey)

FEATURES:

- Warranty period 5 years
- Recommended installation height – from 5 to 12 meters
- Made from durable materials
- Modification with protective grille
- Modification with remote driver and terminal block
- Emergency driver

INSTALLATION RECOMMENDATIONS

Overhead method, fastening with wire hangers or a swivel bracket.

It is possible to install a cable suspension on a rivet nut.

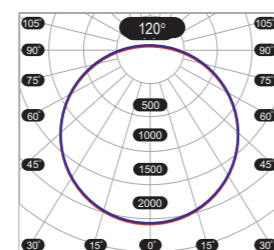
The luminaire can be mounted on a load-bearing surface using the FF 50 BRACKET swivel bracket.

The overhead luminaire is attached to the bearing surface with the help of fastening brackets.

PHOTOMETRIC DATA

(LIGHT DISTRIBUTION CURVES)

light distribution curves, 120°



PRODUCT CODE FORMATION SCHEME

Emergency driver	Communication protocol	Input power, W	Special option	Color	CCT, K	Optical cover
EM	DALI	11	K-V	RAL	3000	CRYSTAL
		20	CREE		4000	OPAL
		35			5000	
		40			6500	
		45				
		55				
		75				
		76				
		100				



POPULAR MODIFICATIONS

Product code	Input power, W	Luminous flux, lm	Dimensions, mm	Net weight, kg	Order code
FG 55 35W 5000K CRYSTAL	35	5130	945X55X80(89)	2	00000012158
FG 55 40W 5000K CRYSTAL	40	5830	945X55X80(89)	2	00000012160
FG 55 45W 5000K CRYSTAL	45	7130	1245X55X80(89)	3	00000012162
FG 55 55W 5000K CRYSTAL	55	8027	1245X55X80(89)	3	00000012164
FG 55 75W 5000K CRYSTAL	75	11123	1545X55X80(89)	3,8	00000012166
FG 55 100W 5000K CRYSTAL	100	14570	1545X55X80(89)	3,8	00000012168

DALI

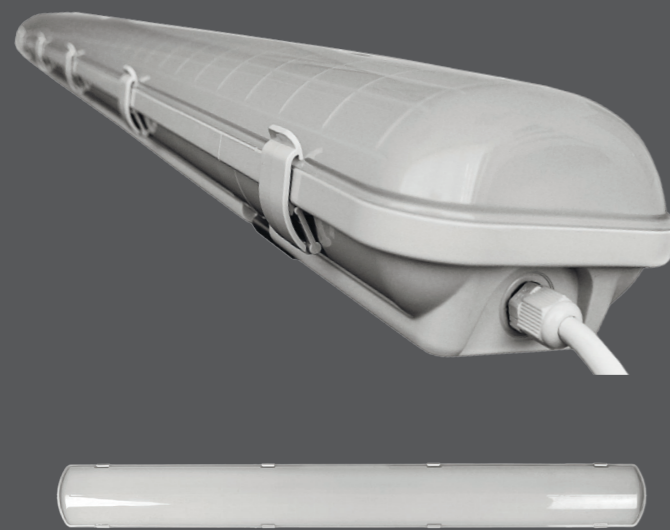
FG 55 DALI 32W 5000K CRYSTAL	32	4657	945X55X80(89)	1,8	00000024661
FG 55 DALI 42W 5000K CRYSTAL	42	5928	945X55X80(89)	1,8	00000024662
FG 55 DALI 46W 5000K CRYSTAL	46	6696	1245X55X80(89)	2	00000024663
FG 55 DALI 57W 5000K CRYSTAL	57	8290	1245X55X80(89)	2	00000024665
FG 55 DALI 76W 5000K CRYSTAL	76	11264	1545X55X80(89)	3	00000024664
FG 55 DALI 112W 5000K CRYSTAL	112	15706	1545X55X80(89)	3	00000013284

K-V

FG 55 55W K-V 5000K CRYSTAL	55	8094	1245X55X80(89)	1,8	00000015057
FG 55 70W K-V 5000K CRYSTAL	70	10270	1545X55X80(89)	2	00000015058
FG 55 100W K-V 5000K CRYSTAL	100	13564	1545X55X80(89)	2	00000015785



FI 135



ABOUT PRODUCT:

The luminaire, made in a plastic case, has a high IP65 and dimensions of 1262x124 mm. Designed for lighting sales areas, office and warehouse premises, gas stations, housing and communal services, premises of auto and railway stations.

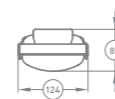
*Default color white

FEATURES:

- High IP 65 protection
- Temperature range -20°C +40°C
- Warranty period 5 years
- Recommended installation height – up to 5 meters
- Made from durable materials



DIMENSIONAL DRAWING



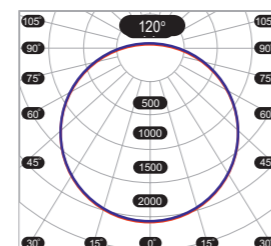
INSTALLATION RECOMMENDATIONS

Overlay, suspension with cable hangers.

PHOTOMETRIC DATA

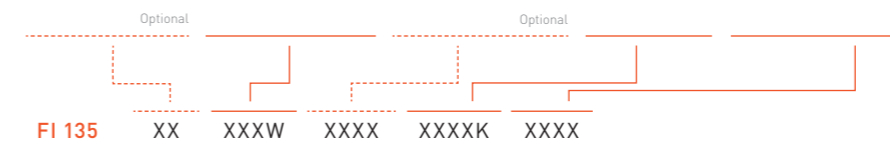
(LIGHT DISTRIBUTION CURVES)

light distribution curves, 120°



PRODUCT CODE FORMATION SCHEME

Emergency driver	Input power, W	Communication protocol	CCT, K	Optical cover
EM	32	1-10	3000	OPAL
	36	DALI	4000	CRYSTAL
	38		5000	
	44		6500	
	49			



POPULAR MODIFICATIONS

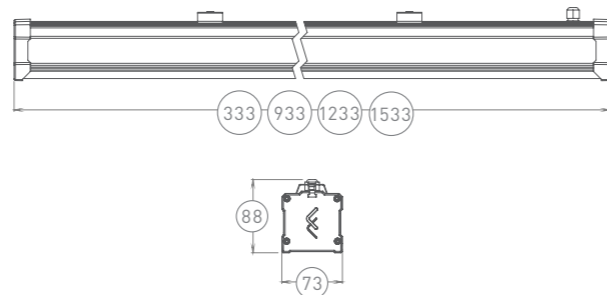
Product code	Input power, W	Luminous flux, lm	Net weight, kg	Order code
FI 135 36W 5000K CRYSTAL	36	4791	2,1	00000004010
FI 135 32W 5000K CRYSTAL	32	4553	2,1	00000004021
FI 135 38W 5000K CRYSTAL	38	5490	2,1	000000024460
FI 135 44W 5000K CRYSTAL	44	6341	2,1	000000024651
FI 135 49W 5000K CRYSTAL	49	6519	2,1	000000024652
FI 135 36W 5000K OPAL	36	4089	2,1	00000004009
FI 135 32W 5000K OPAL	32	4073	2,1	00000007356
FI 135 38W 5000K OPAL	38	5110	2,1	00000010601
FI 135 44W 5000K OPAL	44	5539	2,1	00000010429
FI 135 49W 5000K OPAL	49	6064	2,1	00000013558
DALI				
FI 135 36W DALI 5000K CRYSTAL	36	4791	2,1	000000024653
FI 135 36W DALI 5000K OPAL	36	4470	2,1	00000014387



FG 67



DIMENSIONAL DRAWING



INSTALLATION RECOMMENDATIONS:

Possible installation options:

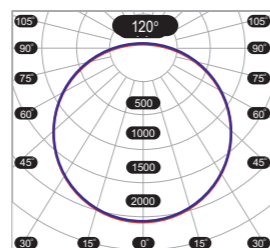
- on cable suspensions;
- on a hairpin;
- swivel bracket (canopy at an angle)

With a luminaire power of 100 W, the suspension is at a height of up to 10-12 meters.

PHOTOMETRIC DATA

(LIGHT DISTRIBUTION CURVES)

light distribution curves, 120°



PRODUCT CODE FORMATION SCHEME

Input power, W	CCT, K	Optical cover
11	4000	OPAL
20	5000	PRISM
35		ICE
40		GLASS
45		GLASSMAT
55		
75		
100		

FG 67 XXW XXXXK XXXX

POPULAR MODIFICATIONS

Product code	Input power, W	Luminous flux, lm	Dimensions, mm	Net weight, kg	Order code
FG 67 11W 5000K PRISM	11	1186	333X73X88	0,9	00000028757
FG 67 11W 5000K GLASS	11	1365	333X73X88	0,9	00000028763
FG 67 20W 5000K PRISM	20	2156	333X73X88	0,9	00000028776
FG 67 20W 5000K GLASS	20	2482	333X73X88	0,9	00000028782
FG 67 35W 5000K PRISM	35	4285	933X73X88	2,03	00000028786
FG 67 35W 5000K GLASS	35	5047	933X73X88	2,03	00000028793
FG 67 40W 5000K PRISM	40	4731	933X73X88	2,03	00000028796
FG 67 40W 5000K GLASS	40	5582	933X73X88	2,03	00000028803
FG 67 45W 5000K PRISM	45	5667	1233X73X88	2,8	00000028806
FG 67 45W 5000K GLASS	45	6575	1233X73X88	2,8	00000028813
FG 67 55W 5000K PRISM	55	6749	1233X73X88	2,8	00000028816
FG 67 55W 5000K GLASS	55	7718	1233X73X88	2,8	00000028823
FG 67 75W 5000K PRISM	75	9044	1533X73X88	3,4	00000028826
FG 67 100W 5000K PRISM	100	11787	1533X73X88	3,4	00000028766



ABOUT PRODUCT:

Linear luminaire with high IP aluminum housing. Designed for lighting industrial premises with increased dust and humidity, as well as for fire hazardous premises of warehouse complexes.

Equipped with a pressure equalization valve (additional protection).

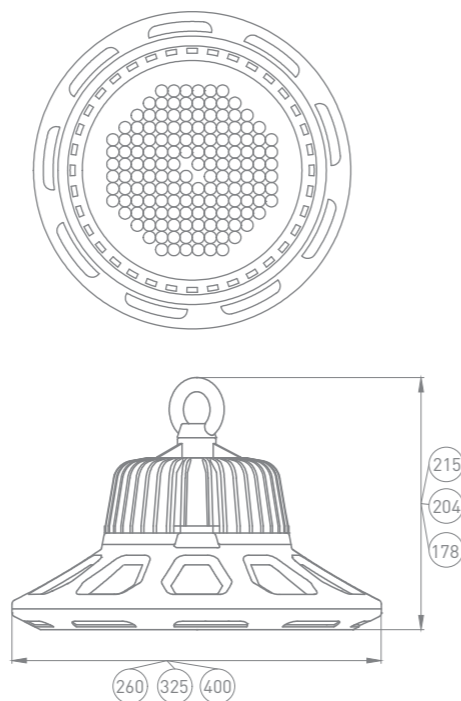
FEATURES:

- High IP 65 protection
- Warranty period 5 years
- Temperature range -20°C +40°
- Different types of optical materials
- Emergency driver modification



FD 111 EX

DIMENSIONAL DRAWING



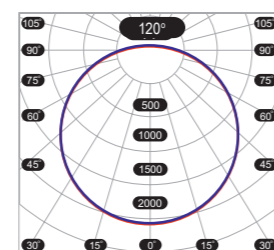
INSTALLATION RECOMMENDATIONS:

1. Through the eyebolt.
2. On cable hangers through an eyebolt.
3. Bracket «Lira», which allows you to mount the lamp to different surfaces (ceiling, wall), and also provides for the possibility of adjusting the tilt of the lamp at a certain angle.

PHOTOMETRIC DATA

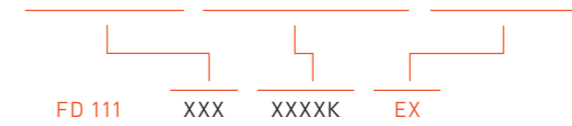
(LIGHT DISTRIBUTION CURVES)

light distribution curves, 120°



PRODUCT CODE FORMATION SCHEME

Input power, W	CCT, K	EX option
100	3000	EX
160	4000	
220	5000	



POPULAR MODIFICATIONS

Product code	Input power, W	Luminous flux, lm	Dimension, mm	Order code
FD 111 100W 4000K IP66 EX	100	11270	Ø260X178	00000020930
FD 111 100W 5000K IP66 EX	100	11297	Ø260X178	00000020931
FD 111 160W 4000K IP66 EX	160	18940	Ø325X215	00000020941
FD 111 160W 5000K IP66 EX	160	18865	Ø325X215	00000020942
FD 111 220W 4000K IP66 EX	220	25550	Ø400X204	00000020950
FD 111 220W 5000K IP66 EX	220	25883	Ø400X204	00000020951



ABOUT PRODUCT:

Industrial explosion-proof luminaire in a round form with a high level of protection IP66.

Scope of application: for general lighting of industrial and warehouse premises, hangars in various industries (gas, oil, petrochemical, chemical, textile, woodworking, paint and varnish, etc.).

Ex-marking of luminaire according to GOST 31610.0-2014: 1EX mb IIC T5 Gb X Ex mb IIIC T1000C Db X

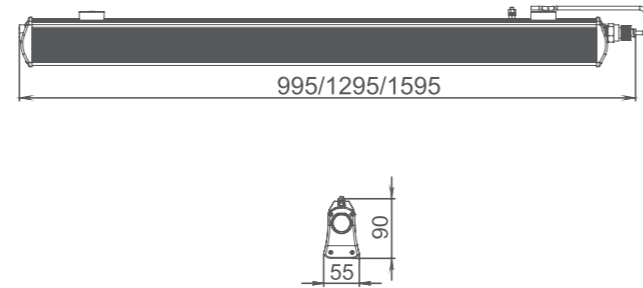
FEATURES:

- High IP 66 protection
- Warranty period 5 years
- Temperature range -40°C +50°C
- Climate modifications UHL2



FG 50 EX

DIMENSIONAL DRAWING



PRODUCT CODE FORMATION SCHEME

Input power, W	CCT, K	IP protection	Special option	EX option
20	3000	IP66	K	EX
30	4000			
40	5000			
45				
55				
75				
100				

FG 50	XXW	XXXXK	IPXX	X	EX
				Optional	

ABOUT PRODUCT:

Industrial explosion-proof luminaire in an aluminum case. Scope of application: for general lighting of production and storage facilities, hangars in various industries (gas, oil, petrochemical, chemical, textile, woodworking, paint, and varnish, etc.). May have an explosion-proof junction box (K) option.

Ex-marking of luminaire according to GOST 31610.0-2014: 1EX mb IIC T5 Gb X Ex mb IIIC T1000C Db X

FEATURES:

- High IP 66 protection
- Warranty period 5 years
- Temperature range -40°C +50°C
- Cable gland KNVM series
- Climate modifications UHL2

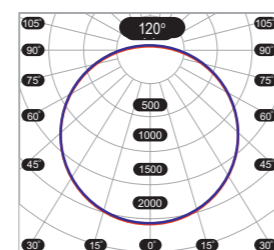
INSTALLATION RECOMMENDATIONS

1. On cable hangers.
2. Through the bracket (ceiling, wall) with the possibility of fixing the tilt of the luminaire.
3. Self-tapping screws on the bearing surface.

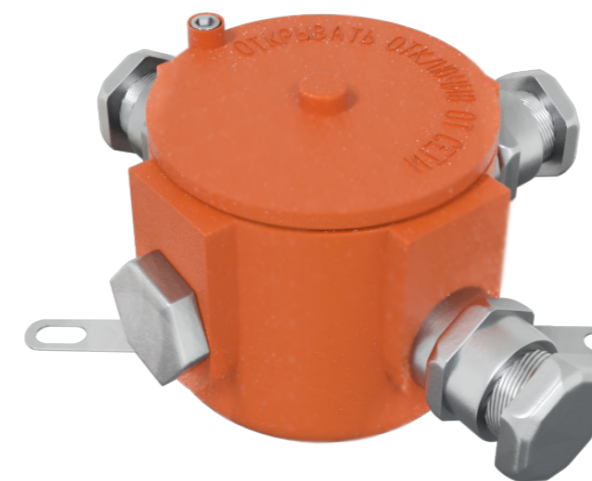
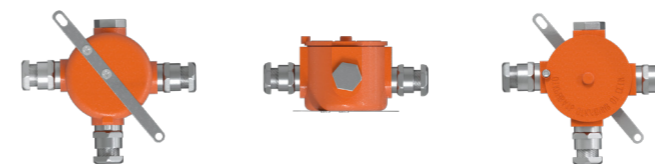
PHOTOMETRIC DATA

(LIGHT DISTRIBUTION CURVES)

light distribution curves, 120°



CONNECTING BOX FOR POWER CONNECTION



Junction box for power connection - provides a safe connection of the wires of the luminaire and wires of the customer.

Width - 155 mm
Height - 98 mm
Depth - 140 mm



POPULAR MODIFICATIONS

Product code	Input power, W	Luminous flux, lm	Dimension, mm	Order code
FG 50 20W 4000K IP66 EX	20	1399	345X55X80	00000021661
FG 50 20W 5000K IP66 EX	20	1399	345X55X80	00000021662
FG 50 30W 4000K IP66 EX	30	2525	945X55X80	00000021665
FG 50 30W 5000K IP66 EX	30	2525	945X55X80	00000021666
FG 50 40W 4000K IP66 EX	40	3227	945X55X80	00000021671
FG 50 40W 5000K IP66 EX	40	3227	945X55X80	00000021672
FG 50 45W 4000K IP66 EX	45	3764	1245X55X80	00000021674
FG 50 45W 5000K IP66 EX	45	3764	1245X55X80	00000021675
FG 50 55W 4000K IP66 EX	55	4479	1245X55X80	00000021677
FG 50 55W 5000K IP66 EX	55	4479	1245X55X80	00000021678
FG 50 75W 4000K IP66 EX	75	6243	1545X55X80	00000021680
FG 50 75W 5000K IP66 EX	75	6243	1545X55X80	00000021681
FG 50 100W 4000K IP66 EX	100	8325	1545X55X80	00000021683
FG 50 100W 5000K IP66 EX	100	8325	1545X55X80	00000021684
FG 50 20W 4000K IP66 K EX	20	1399	345X55X80	00000021686
FG 50 20W 5000K IP66 K EX	20	1399	345X55X80	00000021687
FG 50 30W 4000K IP66 K EX	30	2525	945X55X80	00000021689
FG 50 30W 5000K IP66 K EX	30	2525	945X55X80	00000021690
FG 50 40W 4000K IP66 K EX	40	3227	945X55X80	00000021695
FG 50 40W 5000K IP66 K EX	40	3227	945X55X80	00000021696
FG 50 45W 4000K IP66 K EX	45	3764	1245X55X80	00000021698
FG 50 45W 5000K IP66 K EX	45	3764	1245X55X80	00000021699
FG 50 55W 4000K IP66 K EX	55	4479	1245X55X80	00000021701
FG 50 55W 5000K IP66 K EX	55	4479	1245X55X80	00000021702
FG 50 75W 4000K IP66 K EX	75	6243	1545X55X80	00000021704
FG 50 75W 5000K IP66 K EX	75	6243	1545X55X80	00000021705
FG 50 100W 4000K IP66 K EX	100	8325	1545X55X80	00000021707
FG 50 100W 5000K IP66 K EX	100	8325	1545X55X80	00000021708

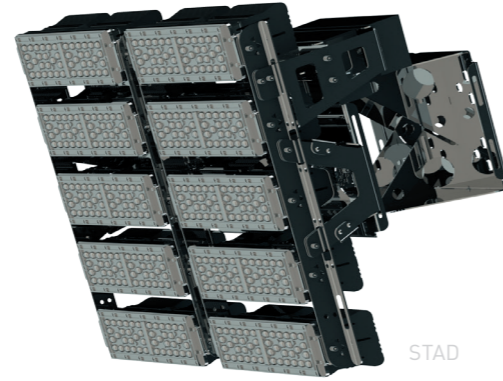




FG 100

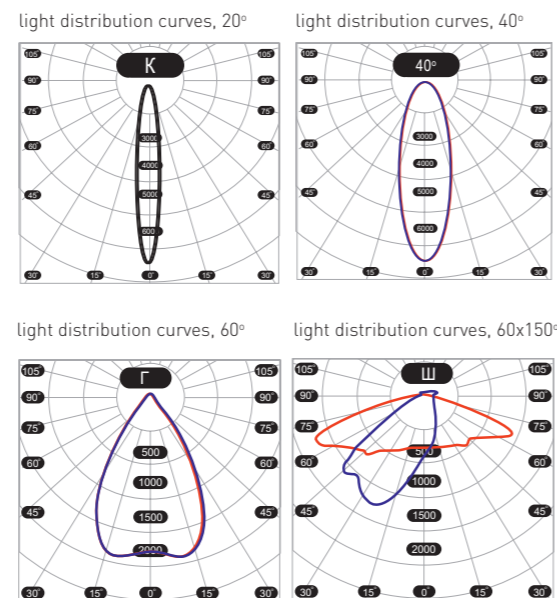


DIMENSIONS CHART



Product name	Dimension, AxBxC, mm
FG 100/DALI 100W	179x126x325
FG 100/DALI 200W	220x263x338
FG 100/DALI 300W	330x310x338
FG 100/DALI 400W	440x330x338
FG 100/DALI 500W	550x335x338
FG 100/DALI 600W	330x310x695
FG 100/DALI 800W	440x330x695
FG 100/DALI 1000W	550x335x695
FG 100 STAD	522x395x699

PHOTOMETRIC DATA (LIGHT DISTRIBUTION CURVES)



ABOUT PRODUCT:

Modular aluminum spotlight for lighting production and storage facilities, gas stations, parking lots, sports facilities and airports. The number of modules and the size of the luminaire depends on the power (length from 221 mm to 565 mm).

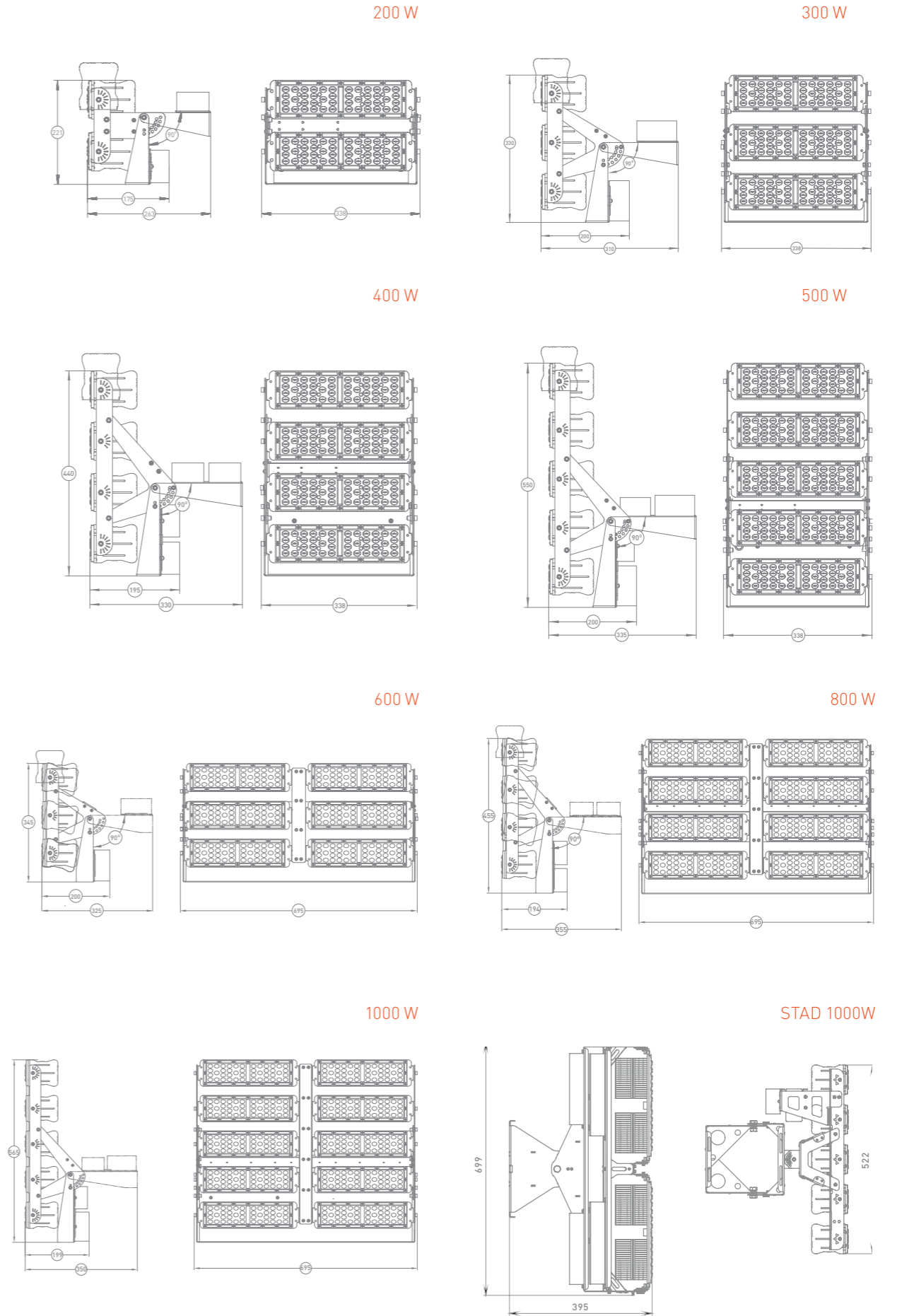
*Default color RAL 9005 (black)

FEATURES:

- High IP 65 protection
- Temperature range -40°C +50°C
- Warranty period 7 years
- Different light distribution curves
- Recommended installation height - up to 40 meters
- Tilt adjustment of the lighting part
- Climate modifications UHL1



DIMENSIONAL DRAWING



POPULAR MODIFICATIONS

Product code	Input power, W	Luminous flux, lm	Net weight, kg	Order code
FG 100 200W 5000K PI20	200	32574	11	00000016928
FG 100 300W 5000K PI20	300	49906	12	00000016929
FG 100 400W 5000K PI20	400	67019	13	00000016930
FG 100 500W 5000K PI20	500	82592	14	00000016931
FG 100 600W 5000K PI20	600	99389	16	00000016932
FG 100 800W 5000K PI20	800	133027	18	00000016933
FG 100 1000W 5000K PI20	1000	164820	21	00000016934

DALI

FG 100 DALI 200W 5000K PI20	200	29440	11	00000016935
FG 100 DALI 300W 5000K PI20	300	45617	12	00000016936
FG 100 DALI 400W 5000K PI20	400	59291	13	00000016937
FG 100 DALI 500W 5000K PI20	500	73409	14	00000016938
FG 100 DALI 600W 5000K PI20	600	89569	16	00000016939
FG 100 DALI 800W 5000K PI20	800	118354	18	00000016940
FG 100 DALI 1000W 5000K PI20	1000	149213	21	00000016941
FG 100 DALI 200W 5000K PI60	200	25600	11	00000015681
FG 100 DALI 300W 5000K PI60	300	38482	12	00000015687
FG 100 DALI 400W 5000K PI60	400	51347	13	00000015691
FG 100 DALI 500W 5000K PI60	500	63850	14	00000015696
FG 100 DALI 600W 5000K PI60	600	77125	16	00000015700
FG 100 DALI 800W 5000K PI60	800	101371	18	00000015704
FG 100 DALI 1000W 5000K PI60	1000	126794	21	00000015708
FG 100 DALI 200W 5000K PI60X150	200	29163	11	00000015682
FG 100 DALI 300W 5000K PI60X150	300	43818	12	00000015688
FG 100 DALI 400W 5000K PI60X150	400	58493	13	00000015692
FG 100 DALI 500W 5000K PI60X150	500	72709	14	00000015697
FG 100 DALI 600W 5000K PI60X150	600	87834	16	00000015701
FG 100 DALI 800W 5000K PI60X150	800	115425	18	00000015705
FG 100 DALI 1000W 5000K PI60X150	1000	145636	21	00000015709

STAD

FG 100 STAD 1000W 5000K PI20	1000	143185	26,5	00000028706
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PRODUCT CODE FORMATION SCHEME

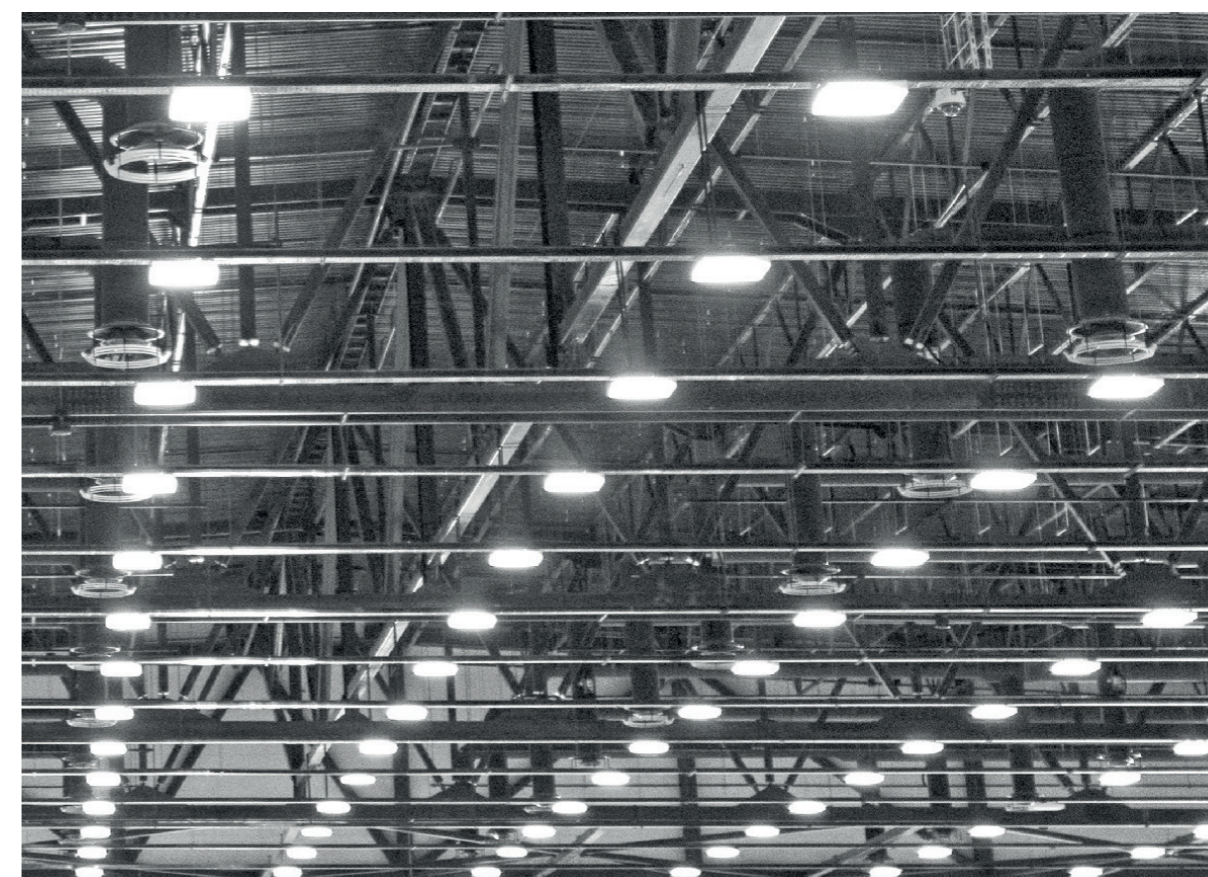
Communication protocol	Special option	Input power, W	CCT, K	Optic type
DALI	STAD	100	3000	PI20
		200	4000	PI40
		300	5000	PI60
		400		PI60X150
		500		
		600		
		800		
		1000		

Optional Optional

FG 100 XXXX XXXX XXXW XXXK PIXXX

INSTALLATION RECOMMENDATIONS

The luminaire is fastened with self-tapping screws, through the base of the swivel bar.
The swivel bracket is fixed with a bolt and M4 nut.
The swivel bracket is tightened with a bolt and M6 nut.

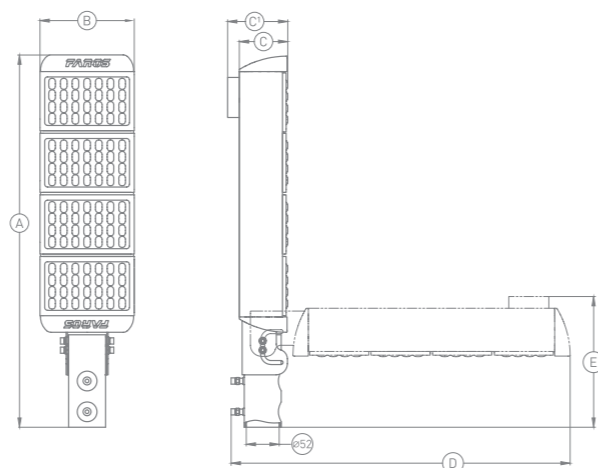


FP 150



NEMA

DIMENSIONAL DRAWINGS



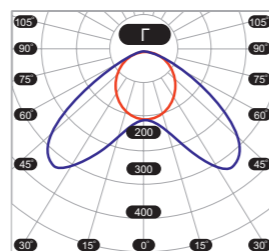
DIMENSIONS CHART (NEMA OPTION)

Product name	Dimension, AxBxC1(C)xD, mm
FP 150 NEMA 50W 5000K PI150X55	404X153X98(80)X350
FP 150 NEMA 75W 5000K PI150X55	504X153X98(80)X450
FP 150 NEMA 100W 5000K PI150X55	604X153X98(80)X550
FP 150 NEMA 125W 5000K PI150X55	604X153X98(80)X550
FP 150 NEMA 150W 5000K PI150X55	604X153X98(80)X550

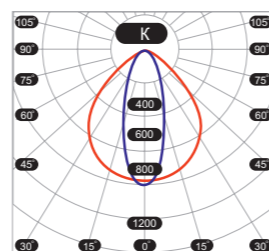
PHOTOMETRIC DATA

(LIGHT DISTRIBUTION CURVES)

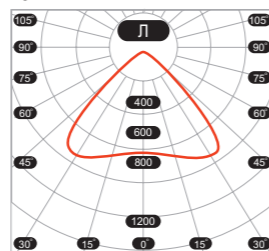
light distribution curves, 2x40-100°



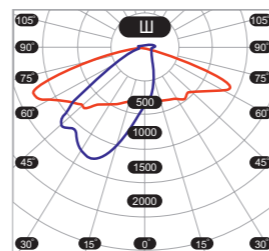
light distribution curves, 40x90°



light distribution curves, 90x90°



light distribution curves, 150x55°



ABOUT PRODUCT:

Aluminum street luminaire on a console for lighting public buildings, structures, perimeters and adjacent territories, roads, and highways [according to GOST R 58107.1-2018 of the highest class - IA]. The number of modules and the size of the luminaire depends on the power (length from 404 mm to 604 mm).

FEATURES:

- High IP 66 protection
- Temperature range -40°C +50°C
- Warranty period 5 years (7 years for HE modification)
- Different light distribution curves
- Recommended installation height – from 6 up to 12 meters
- Climate modifications UHL1



DIMENSIONS CHART

Product name	Dimension, AxBxCxD, mm
FP 150 50W 5000K PI150X55	404X153X80X350
FP 150 75W 5000K PI150X55	504X153X80X450
FP 150 100W 5000K PI150X55	604X153X80X550
FP 150 125W 5000K PI150X55	604X153X80X550
FP 150 150W 5000K PI150X55	604X153X80X550

PRODUCT CODE FORMATION SCHEME

Special option	Input power, W	CCT, K	Optic type	Control option
HE	50	3000	PI40X90	-
	75	4000	PI2X40-100	NEMA
	100	5000	PI90X90	
	125		PI150X55	
Optional	150			Optional

FP 150 XX XXXW XXXK PIXXX XXXX

INSTALLATION RECOMMENDATIONS

Mounting with a console

POPULAR MODIFICATIONS

Product code	Input power, W	Luminous flux, lm	Net weight, kg	Order code
FP 150 50W 5000K PI150X55	50	6200	3,1	00000013864
FP 150 75W 5000K PI150X55	75	9219	4	00000013868
FP 150 100W 5000K PI150X55	100	12941	5	00000013872
FP 150 125W 5000K PI150X55	125	18782	5	00000013876
FP 150 150W 5000K PI150X55	150	21271	5	00000010951

HE

FP 150 HE 50W 5000K PI150X55	50	7619	3,1	00000015220
FP 150 HE 75W 5000K PI150X55	75	11593	4	00000015221
FP 150 HE 100W 5000K PI150X55	100	15833	5	00000015222
FP 150 HE 125W 5000K PI150X55	125	19133	5	00000016177
FP 150 HE 150W 5000K PI150X55	150	21908	5	00000016180

NEMA

FP 150 NEMA 50W 5000K PI150X55	50	6200	3,2	00000017399
FP 150 NEMA 75W 5000K PI150X55	75	9219	4	00000017402
FP 150 NEMA 100W 5000K PI150X55	100	12941	5	00000017405
FP 150 NEMA 125W 5000K PI150X55	125	18782	5	00000017408
FP 150 NEMA 150W 5000K PI150X55	150	21271	5	00000017411



WE'VE GOT MORE...

COMMERCIAL

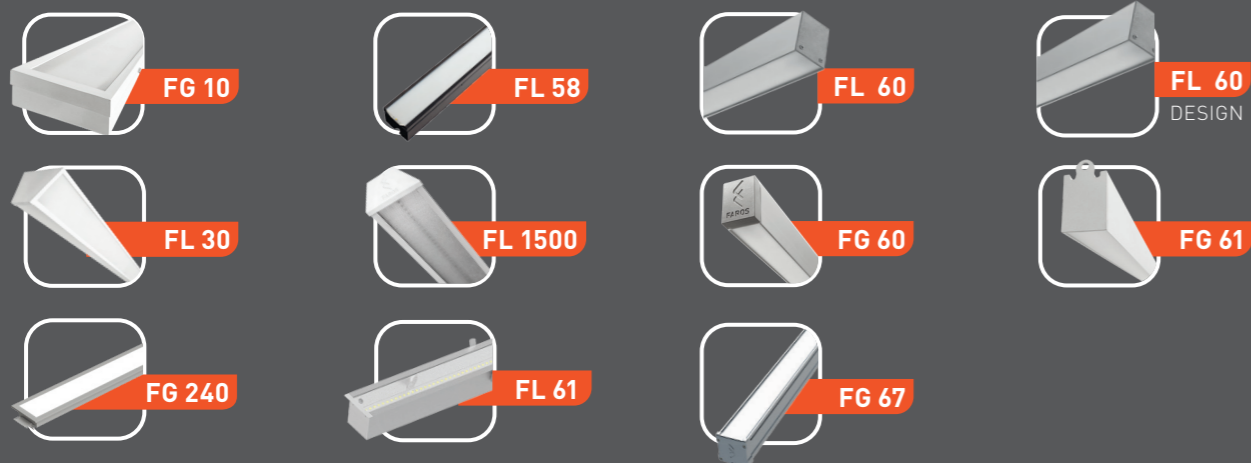
Office



School



Line



Tracking



Downlight



Other

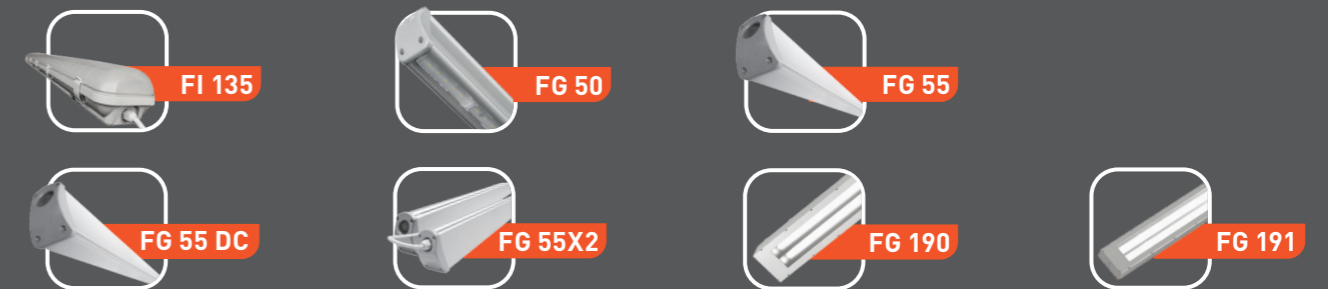


INDUSTRIAL

Petrol station



Line



High and Low bay

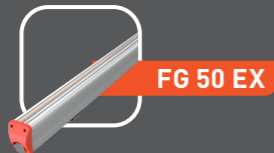
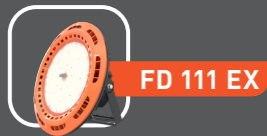


Clean Room



GROUP OF COMPANIES

Explosion-proof



OUTDOOR

Spotlight



Road and Urban

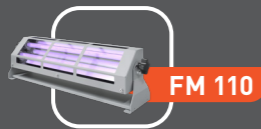


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