

FORCE HIGH CEILING LIGHTNING ARMATURES





INDUSTRIAL LIGHTING FIXTURES FOR FACILITIES

Industrial applications require efficient, safe and robust lighting that can withstand an often harsh environment. Reliability and service life are critical in production environments where change is not always easy. But lighting is also a significant investment that must pay off.

Industrial applications require durable lighting: resistant to dust and moisture, extreme temperatures, gases and chemicals. At the same time, performance is crucial. Well-lit workplaces and warehouses not only increase the efficiency of your staff and processes, but also improve safety in the workplace.

INDUSTRIAL LIGHTING SOLUTIONS

İkizler Lighting offers a wide range of safe, quality proven and wide range of products for applications where lighting is very important, such as optional models developed for factories, food production facilities, warehouses and cold and hot industrial environments. In this group, İKİZLER serves the sector with luminaires that provide reliable and high quality light and offer a wide range of applications with flexible mounting possibilities. Luminaires comply with all relevant standards (CE, EMC, RoHS).



FORCE

With FORCE industrial lighting, they meet the light level requirements in basic applications and require less maintenance due to their long lifetime.

- *Impact resistant,tempered transparent glass.
- *Long-lasting, non-deformable silicone gasket with sealing properties.
- *150 lm/w efficiency.
- *Side covers made of special fireproof composite material.
- *The closed line design of the upper part of the body prevents the accumulation of dust and particles and does not pose a risk in terms of occupational safety.
- *IP66 Protected against **liquid and dust**.
- *Impact resistance IK09
- *Able to work in different conditions of industrial plants.
- *Suitable for different optics and lenses



FORCE

IP66 High Ceiling Luminaires

FORCE High ceiling luminaire series is a functional luminaire with a soft-formed, minimal, holistic structure that combines engineering solutions and design, easy maintenance and intervention, combining engineering solutions and design, providing a safe working environment for the user, as well as producing professional solutions according to the needs with its stylish design in industrial facilities, warehouses, sports halls and airports.



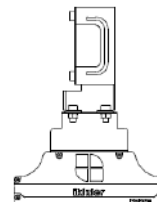
FORCE high bay luminaires have excellent thermal heat dissipation with robust construction thanks to the aluminum extruded profile body. By using highly efficient LED chips and drivers, the luminaire has a lifetime of at least 50,000 and up to 100,000 hours. All these outstanding features set FORCE apart from its peers. These luminaires are compatible with intelligent control systems and DALI dimming solutions. With the external motion sensor, they can be switched on or off automatically according to the motion detected. These luminaires can be produced in accordance with different mounting options.

Design compatible with different mounting and hanging details

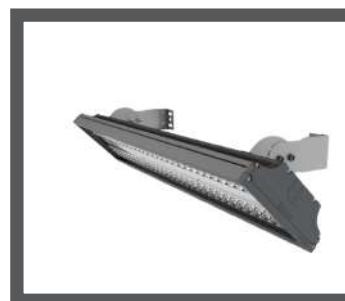
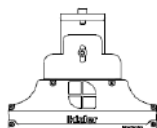
3 different quick assembly options provide easy installation advantage.



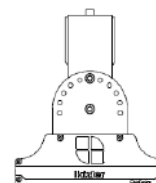
Busbar Apparatus



Cable Tray Apparatus



Angled Wall Bracket



Screwless window opening and closing,

Quick and easy intervention to Led,
Optical lens and driver part.



Optic

**Suitable for use with
different modular
optical lenses.**

60°
90°
90°x150°
Asymmetrical



Reflector



There are three versions.



Standard

Developed for standard temperature environments. $-20^{\circ}\text{C}/+40^{\circ}\text{C}$ factories, warehouses



Hot environments

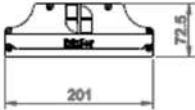
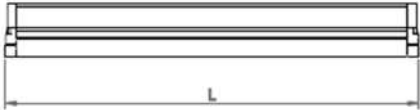
Error-free operation at high ambient temperature $-20^{\circ}\text{C}/+60^{\circ}\text{C}$ High temperature for industrial areas



Cold environments

Designed for low ambient temperatures $-40^{\circ}\text{C}/+60^{\circ}\text{C}$
For cold storage

FORCE S Standard

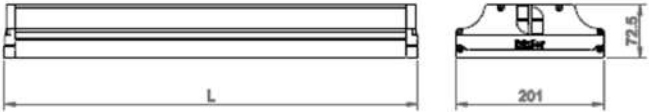


Body	Powder coated extruded aluminum profile
Glass	Heat resistant tempered transparent glass
Optic	High light transmission acrylic optical diffuser
Light Source	L80B50 High Power LED with high efficacy factor with >50,000 hours lifetime
Driver	Constant current output, Pf>0.90
Input Voltage	220-240V/50-60Hz
Operating Temperature	-20C°/+40C°
Option	DALI 3-hour emergency lighting kit 60°/ 90°-150°Lens



Order Code	W	Lm	CCT	CRI	Optic	L (mm)	Wt
07301.21.40.105	69	10500	4000	Ra>80	90° Lens	450	3.5
07301.21.40.150	97	14700				450	
07301.21.40.171	110	16700	4000	Ra>80	90° Lens	600	5.1
07301.21.40.200	133	20000				600	
07301.21.40.228	150	22750	4000	Ra>80	90° Lens	750	6.6
07301.21.40.254	170	25400				750	
07301.21.40.305	200	30500	4000	Ra>80	90° Lens	1050	8.2
07301.21.40.350	233	35000				1050	

FORCE SR Standard Reflector

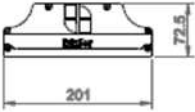
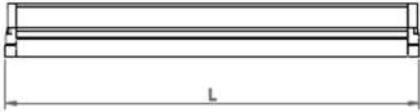


Body	Powder coated extruded aluminum profile
Glass	Heat resistant tempered transparent glass
Optic	Glare control vacuum aluminum coating reflector
Light Source	L80B50 High Power LED with high efficacy factor with >50,000 hours lifetime
Driver	Constant current output, Pf>0.90
Input Voltage	220-240V/50-60Hz
Operating Temperature	-20C°/+40C°
Option	DALI 3-hour emergency lighting kit Asymmetric Reflector



Order Code	W	Lm	CCT	CRI	Optic	L (mm)	Wt
07301.21.40.067	47	6700	4000	Ra>80	90°	610	5.5
07301.21.40.120	86	13400	4000	Ra>80	90°	900	7.2

FORCE H Warm Environment

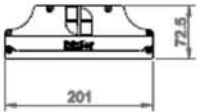
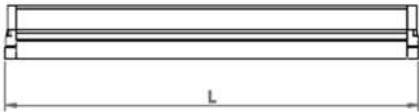


Body	Powder coated extruded aluminum profile
Glass	Heat resistant tempered transparent glass
Optic	High light transmission acrylic optical diffuser
Light Source	L80B50 High Power LED with high efficacy factor with >50,000 hours lifetime
Driver	Constant current output, Pf>0.90
Input Voltage	220-240V/50-60Hz
Operating Temperature	-20C°/+60C°
Option	DALI 3 hours emergency lighting kiti 60°/ 90°-150°Lens



Order Code	W	Lm	CCT	CRI	Optic	L (mm)	Wt
07301.21.40.105	69	10500	4000	Ra>80	90° Lens	450	3.5
07301.21.40.171	110	16700	4000	Ra>80	90° Lens	600	5.1
07301.21.40.228	150	22750	4000	Ra>80	90° Lens	750	6.6

FORCE C Cold Environment



Body	Powder coated extruded aluminum profile
Glass	Heat resistant tempered transparent glass
Optic	High light transmission acrylic optical diffuser
Light Source	L80B50 High Power LED with high efficacy factor with >50,000 hours lifetime
Driver	Constant current output, Pf>0.90
Input Voltage	220-240V/50-60Hz
Operating Temperature	-40C°/+60C°
Option	DALI 3 hours emergency lighting kiti 60°/ 90°-150°Lens



Order Code	W	Lm	CCT	CRI	Optic	L (mm)	Wt
07301.21.40.105	69	10500	4000	Ra>80	90° Lens	450	3.5
07301.21.40.171	110	16700	4000	Ra>80	90° Lens	600	5.1
07301.21.40.228	150	22750	4000	Ra>80	90° Lens	750	6.6

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