

Indoor luminaire

# FIRI-03-2xT8 Icar

FIRI-03-218 DP, FIRI-03-236 DP, FIRI-03-258 DP Icar


FIRI-03-218 SP, FIRI-03-236 SP, FIRI-03-258 SP Icar



## About the product

Indoor luminaire that is economic and functional. Its rectangular shape makes it ideal for recessing in modular ceilings.



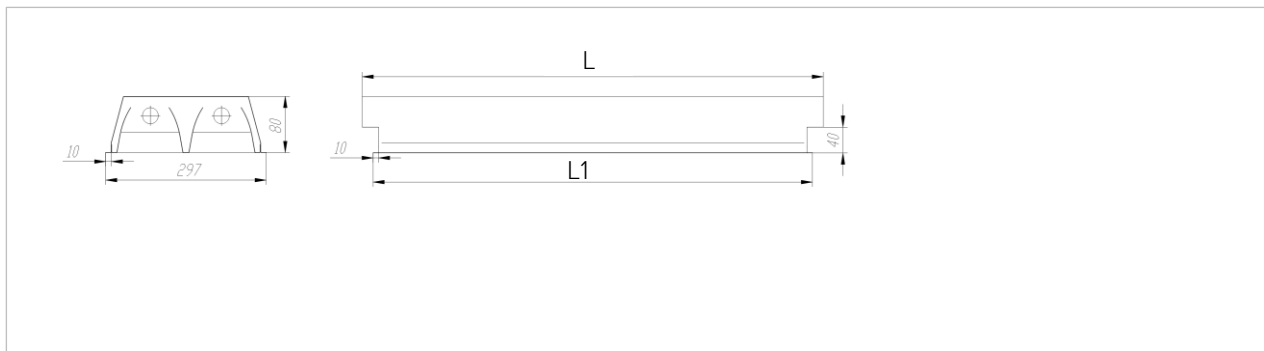
EN 60598	RoHS	IP40		-5°C ÷ +35°C	18W, 36W, 58W T8 G13
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## **Application**

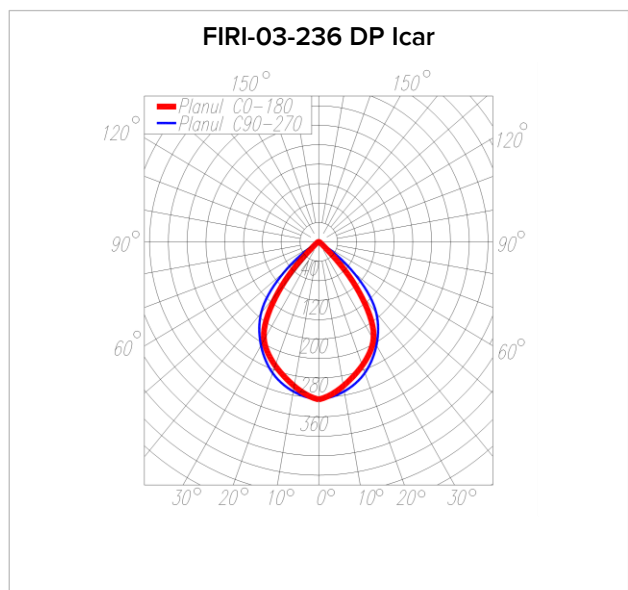
General indoor lighting. Public buildings, commercial areas, schools. Lighting for offices with computer monitors. Emergency lighting for evacuation with one fluorescent tube T8.

## **Light source**

- Tubular fluorescent lamps T8 (26mm) G13.
- On request: LED tubes (ø26mm) socket G13, 60cm of min.8W, 120cm of min.16W, 150cm of min.20W, with the same length as the fluorescent tubes T8 18W/36W/58W.

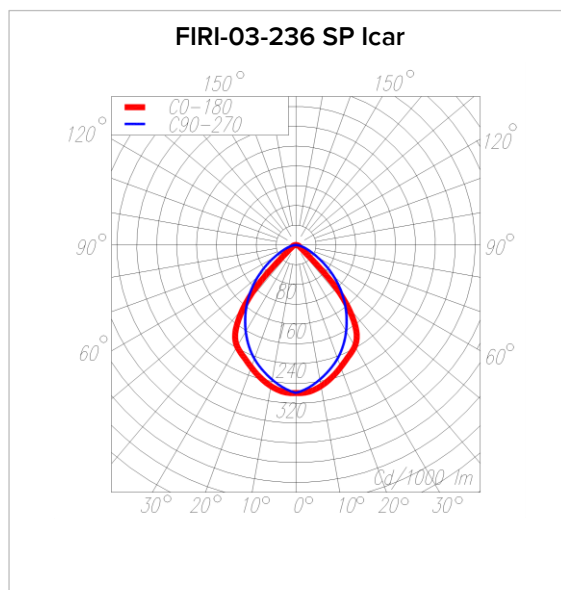


Product type	L [mm]	L1 [mm]	l [mm]	H [mm]	m [mm]	n [mm]
FIRI-03-218 Icar	620	595	297	87	600	300
FIRI-03-236 Icar	1220	1195	297	87	1200	300
FIRI-03-258 Icar	1520	1495	297	87	1500	300



**Photometric data FIRI-03-236 DP**

CIE: 74 98 100 100 53  
 UTE: 0.53B  
 UGR<16  
 Light distribution diagram [Cd/1000lm]



**Photometric data FIRI-03-236 SP**

CIE: 68 92 98 100 54  
 UTE: 0.53C  
 UGR<17  
 Light distribution diagram [Cd/1000lm]

## Description

- Steel sheet body white painted with powder.
- Reflector made from aluminium sheet with a reflection factor >0.85, double parabolic (DP) or simple parabolic (SP) with plane matt aluminium transversal lamellas.
- Gear (ballast) included in the product and manufactured according to the specific standards.
- Colour: white.

## Variants on request

- On request the variant with fluorescent tubes could be equipped with:
  - standard electronic ballast HFS
  - high performance electronic ballast HFP,
  - emergency kit (EM=emergency) ( for the variants 2x36W, 2x58W) or
  - dimming ( for the variants 2x36W, 2x58W) with dimmable electronic ballast HFR (1-10V or DALI)
  - rapid connector WIELAND (CS1), connection block WIELAND(CS2)
- The variant with emergency lighting with fluorescent lamp (EM - emergency):
  - The inverter ensures both the accumulators charging and the switch to the emergency functioning mode of the luminaire
  - Accumulators: Ni-Cd 3(4)x1,2V/4Ah that ensure autonomy in emergency mode of 3 hours or 1 hour function of the inverter.
  - The charging time of the accumulators: 12 hours
  - On emergency mode during 1 or 3 hours the luminous flux is maintained to min. 7% from the nominal lamp flux.
- **Mounting**
- Recessed in modular ceilings with the module dimension 600x300 mm (2x18W), 1200x300mm (2x36W), 1500x300mm (2x58W).

## Technical features

- Rated voltage: 230V/50Hz
- Surrounding temperature: -5°C...+ 35°C
- Relative humidity: till 80% at the temperature of + 20°C
- Mechanical impact resistance: IK07
- Glow-wire test: 960°C
- Saline fog: 48 hours according to SR EN 60068-2-11

- Jolt resistance:  $1000\pm 10$ jolts, acceleration of 10g, duration of impulse: 16ms, according to SR EN 60068-2-29.
- The luminaire is manufactured according to the requirements of the luminaire standards SR EN 60598-1, SR EN 60598-2-2.

### **Compliance with the European Directives**

- Low Voltage Directive.
- Electromagnetic Compatibility Directive.
- RoHS Directive, WEEE Directive.

The product could be realised in more variants functions of the power, length, reflector, gear.

Product type	Rated power [W]	Power factor $\cos \varphi$	Protection degree	Class of protection against electric shock	Weight [Kg]
FIRI-03-218 SP Icar	2x18	$\geq 0.92$	IP40	I	2.12
FIRI-03-218 SP HFS Icar	2x18	$\geq 0.96$	IP40	I	1.90
FIRI-03-218 SP HFP Icar	2x18	$\geq 0.96$	IP40	I	1.90
FIRI-03-218 DP Icar	2x18	$\geq 0.92$	IP40	I	2.12
FIRI-03-218 DP HFS Icar	2x18	$\geq 0.96$	IP40	I	1.90
FIRI-03-218 DP HFP Icar	2x18	$\geq 0.96$	IP40	I	1.90
FIRI-03-236 DP HFP Icar	2x36	$\geq 0.96$	IP40	I	3.80
FIRI-03-236 SP Icar	2x36	$\geq 0.92$	IP40	I	4.40
FIRI-03-236 SP HFS Icar	2x36	$\geq 0.96$	IP40	I	3.80
FIRI-03-236 SP HFP Icar	2x36	$\geq 0.96$	IP40	I	3.80
FIRI-03-236 SP HFR Icar	2x36	$\geq 0.96$	IP40	I	3.80
FIRI-03-236 DP Icar	2x36	$\geq 0.92$	IP40	I	4.40
FIRI-03-236 DP HFS Icar	2x36	$\geq 0.96$	IP40	I	3.80
FIRI-03-236 DP HFP Icar	2x36	$\geq 0.96$	IP40	I	3.80
FIRI-03-236 DP HFR Icar	2x36	$\geq 0.96$	IP40	I	3.80
FIRI-03-258 SP Icar	2x58	$\geq 0.92$	IP40	I	5.80
FIRI-03-258 SP HFS Icar	2x58	$\geq 0.96$	IP40	I	4.15
FIRI-03-258 SP HFP Icar	2x58	$\geq 0.96$	IP40	I	4.15
FIRI-03-258 SP HFR Icar	2x58	$\geq 0.96$	IP40	I	4.15
FIRI-03-258 DP Icar	2x58	$\geq 0.92$	IP40	I	5.80
FIRI-03-258 DP HFS Icar	2x58	$\geq 0.96$	IP40	I	4.15

Product type	Rated power [W]	Power factor $\cos \varphi$	Protection degree	Class of protection against electric shock	Weight [Kg]
FIRI-03-258 DP HFP Icar	2x58	$\geq 0.96$	IP40	I	4.15
FIRI-03-258 DP HFR Icar	2x58	$\geq 0.96$	IP40	I	4.15

DP = double parabolic reflector, SP = simple parabolic reflector, HFS = standard electronic ballast, HFP = high performance electronic ballast, HFR = dimmable electronic ballast (protocol 1-10V/ DALI)

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