

## Charakterystyka

Ingress protection of optical system and driver	IP 66
Protection class	II
Nominal input voltage	100 - 240 V AC
Frequency	50/60 Hz
Power factor	≥0.95
Inrush electric current	60A / 435μs (for ISKRA LED HB 120) 75A / 680μs (for ISKRA LED HB 180)
Level of surge protection	10kV
Control system ready input	1 – 10 V (as an option)
Operating temperatures	-40°C to +40°C
Material	anodized aluminium alloy
Colour	inox / black
Mounting	suspended , mount height 10 to 16m depending on the chosen power consumption
Optical system	PMMA lens,
LEDs lifetime L90F10	>50 000h
Warranty	5 years



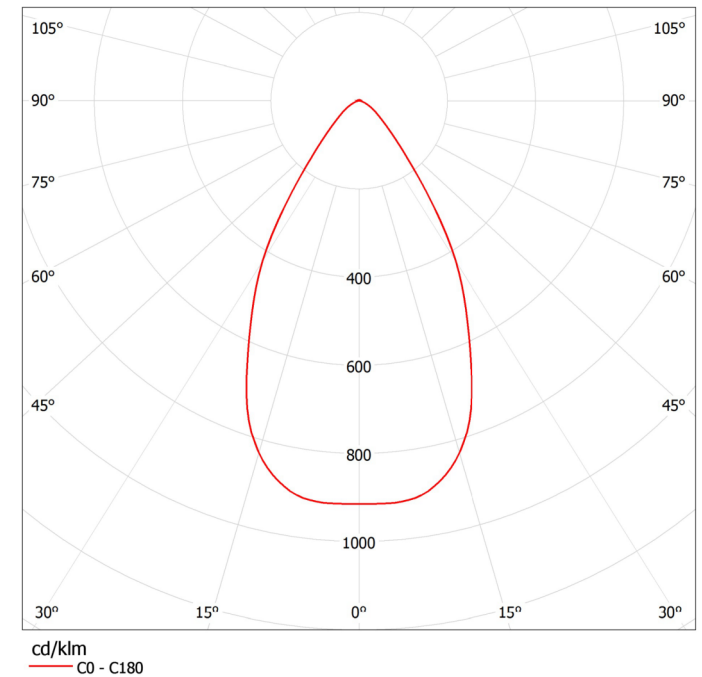
**CREE**  
LEDs



## Technical parameters

Type	ISKRA LED HB 120		ISKRA LED HB 180	
Code	231039/6	231039/3	231144/6	231144/3
Correlated colour temperature [K]	5 000	3 500	5 000	3 500
Color rendering index CRI	75 <sup>2)</sup>	>80	75 <sup>2)</sup>	>80
Corrective factor S/P	1,8	1,45	1,8	1,45
LEDs type	XP-L		XP-L	
LEDs quantity	48		48	
Supply current [mA]	3 300		5 000	
LEDs power [W]	120		180	
LEDs luminous flux <sup>1)</sup> [lm]	18 200	14 770	25 200	20 450
<b>Power consumption [W]</b>	<b>135</b>		<b>200</b>	
<b>Luminaire luminous flux<sup>1)</sup> [lm]</b>	<b>17 000</b>	<b>13 800</b>	<b>23 600</b>	<b>19 150</b>
Luminaire efficacy [lm/W]	126	102	118	96
Weight [kg]	10		15	
A - Luminaires' width [mm]	400		600	
B - Luminaires' height [mm]	260		300	
C - Thread for fixing [mm]	M10		M12	
D - Hole in screw with the eye [mm]	φ25		φ30	
Volume [m <sup>3</sup> ]	0,02		0,03	

Optics configurations for ISKRA LED HB



- 1) tolerance +/- 3% due to LEDs accuracy  
 2) tolerance +/-2

- Low voltage directive LVD 2006/95/WE, norm PN-EN 60598-1, PN-EN 60598-2-3
- Directive EMC 2004/108/WE, norms: PN-EN 55015, PN-EN 61547, PN-EN 61000-3-2, PN-EN 61000-3-3
- Shown parameters based on measurements according to IESNA LM 79-08

## Acceptable quantity of luminaires ISKRA LED HB on one circuit, protected by:

Overcurrent switches MCB type B or C								
		2A	4A	6A	10A	16A	20A	25A
ISKRA LED HB 120W	Type B	0	0	1	2	4	5	6
	Type C	0	1	2	4	6	8	10
ISKRA LED HB 180W	Type B	0	0	0	1	2	2	3
	Type C	0	0	1	2	3	4	5

Fuse – type gG and GL								
		2A	4A	6A	10A	16A	20A	25A
ISKRA LED HB 120W		1	3	6	9	16	20	25
ISKRA LED HB 180W		0	1	3	5	9	11	14

The luminaire ISKRA LED HB has the possibility (as an option) to connect to the external control system via analog signal 1-10V.