

Characteristic

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	50A / 210μs (for ISKRA LED LB 36), 70A / 435μs (for ISKRA LED LB 80)
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 or extension arm WN-1, WN-2, The handle is adjustable in the range 0-45°, adjustable mount height 5 to 10m 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 LB 36		ISKRA LED LB 80	
Code	230632/6/... ²⁾	230632/3/... ²⁾	230752/6/... ²⁾	230752/3/... ²⁾
Correlated colour temperature [K]	5 000	3 500	5 000	3 500
Color rendering index CRI	75 ³⁾	>80	75 ³⁾	>80
Corrective factor S/P	1,8	1,45	1,8	1,45
LEDs type	CREE XP-L		CREE XP-L	
LEDs quantity	12		24	
Supply current [mA]	960		1 075	
LEDs power [W]	36		80	
LEDs luminous flux ¹⁾ [lm]	5 050	4 600	11 250	10 350
Power consumption [W]	39		86	
Luminaire luminous flux¹⁾ [lm]	4 700	4 300	10 500	9 650
Luminaire efficacy [lm/W]	121	110	122	112
Weight [kg]	5		7	
Volume [m ³]	0,01		0,02	

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

2) code of chosen optics configuration - example: 230752/6/HB is a ISKRA LB 72 with optical system HB

3) 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 LB on one circuit, protected by:

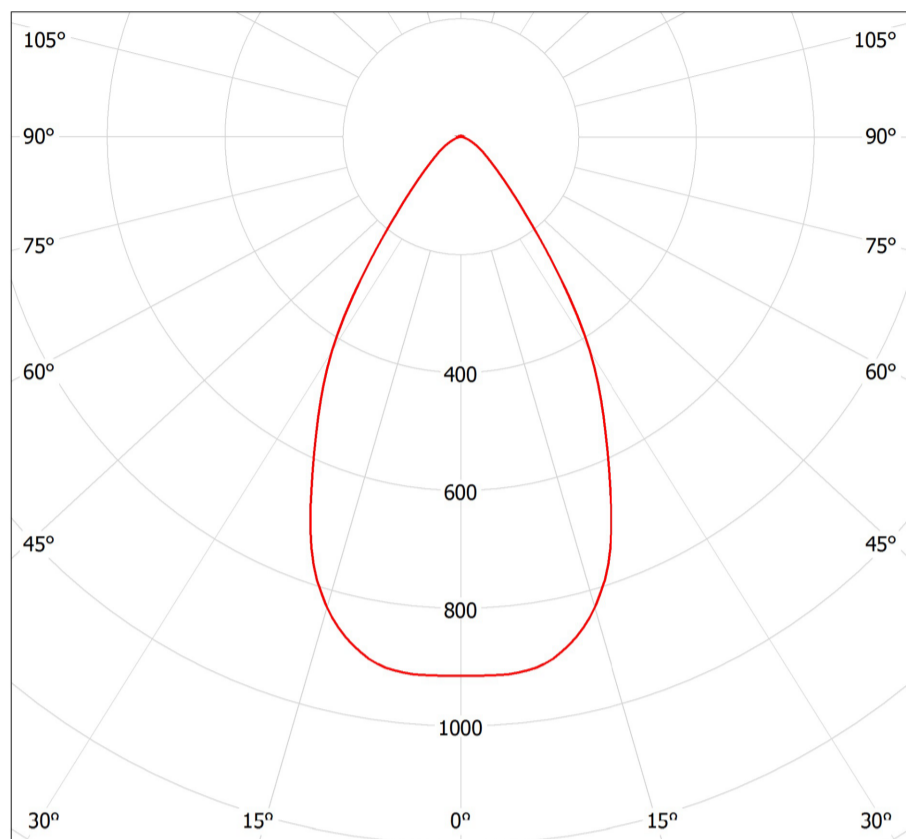
Overcurrent switches MCB type B or C								
		2A	4A	6A	10A	16A	20A	25A
ISKRA LED LB 36	Type B	1	2	4	7	12	15	18
	Type C	1	4	7	12	20	24	31
ISKRA LED LB 80	Type B	0	0	1	2	4	5	6
	Type C	0	1	2	4	6	8	10

Fuse – type gG and GL								
		2A	4A	6A	10A	16A	20A	25A
ISKRA LED LB 36		2	6	9	17	27	34	43
ISKRA LED LB 80		1	3	6	9	16	20	25

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

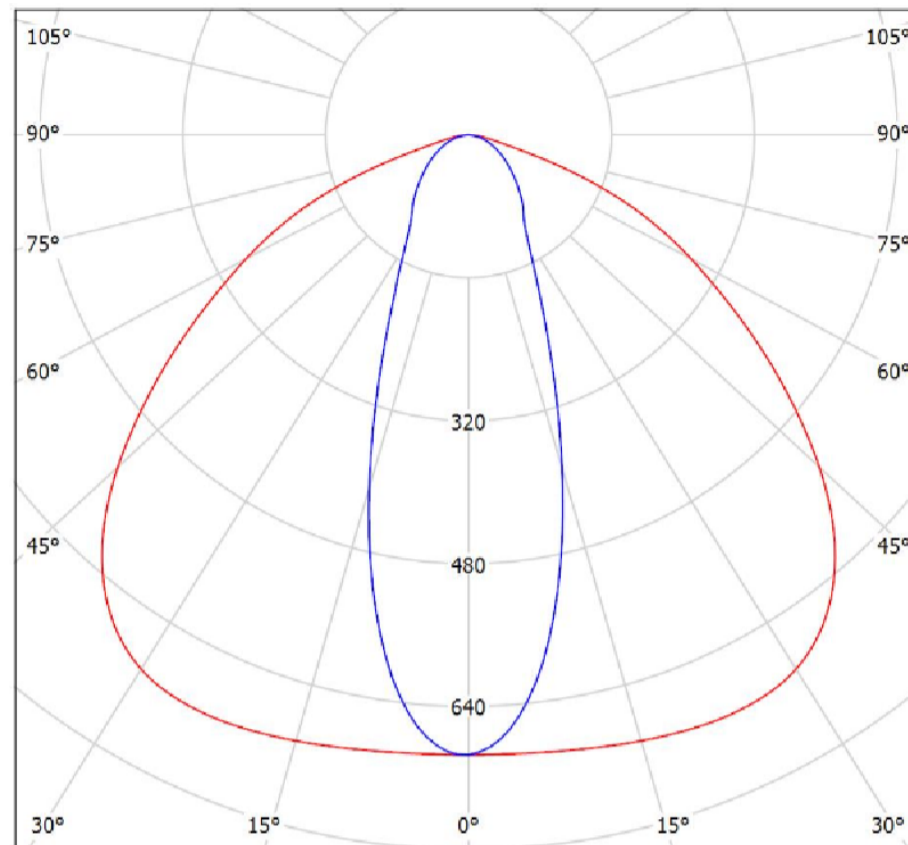
Optics configurations for ISKRA LED LB:

HB



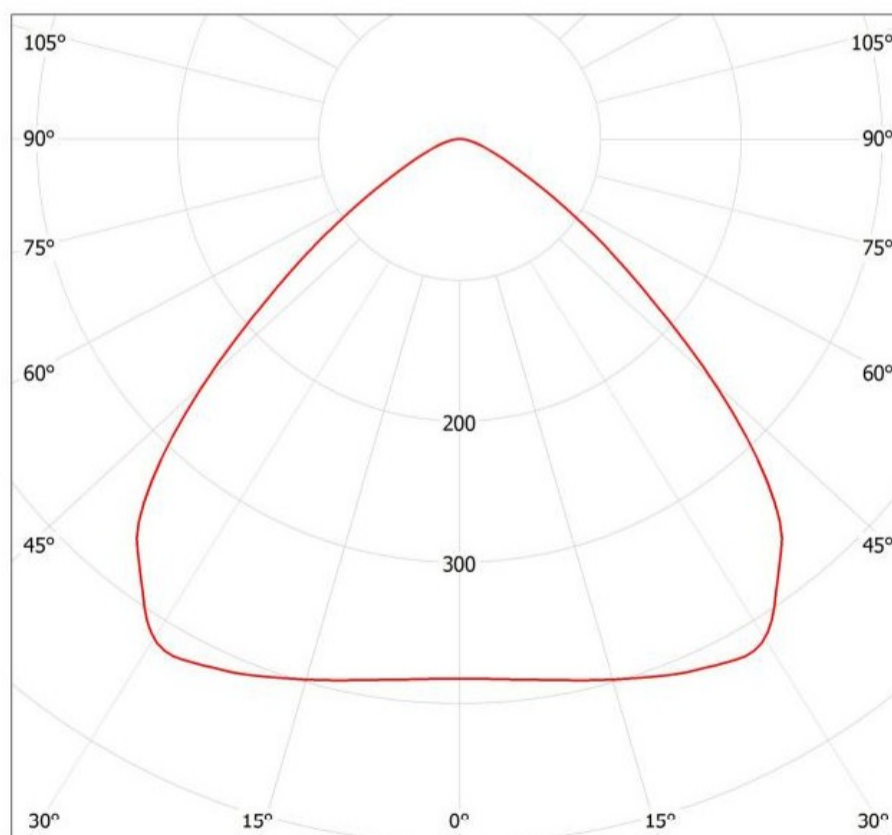
cd/klm
— C0 - C180

HB-O



cd/klm
— C0 - C180 — C90 - C270

HB-WWW



cd/klm
— C0 - C180