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LED BULBS 12 V

LED - 24SMD - MR16 3 W

12	3	260	GU 5,3 (MR16)	120°
Voltage (V)	Power (W)	Lighting Efficiency (Lm)	Socket available	Beam Angle

50.000	63 * 50 mm
Life Span (hrs)	Dimension



LED - MR16 3 x 1 W

12	3 x 1	GU 5,3 (MR16)	30°	50.000
Voltage (V)	Power (W)	Socket available	Beam Angle	Life Span (hrs)

50 * 53 mm
Dimension



LED - 60 - MR16 3 W

12	3	240	GU 5,3 (MR16)	120°
Voltage (V)	Power (W)	Lighting Efficiency (Lm)	Socket available	Beam Angle

50.000	50 * 56 mm
Life Span (hrs)	Dimension



LED BULBS 12 V

LED - G4 - 10H — 2 W

AC/DC 12	2	100	G4	120°
Voltage (V)	Power (W)	Lighting Efficiency (Lm)	Socket available	Beam Angle

50.000	5 * 20 mm
Life Span (hrs)	Dimension



LED - G4 - 18 — 3,6 W

AC/DC 12	3,6	210	G4	120°
Voltage (V)	Power (W)	Lighting Efficiency (Lm)	Socket available	Beam Angle

50.000	16 * 38 mm
Life Span (hrs)	Dimension



LED - MR11 - 12SMD — 2,4 W

12	2,4	240	GU 4 (MR11)	160°
Voltage (V)	Power (W)	Lighting Efficiency (Lm)	Socket available	Beam Angle

50.000	35 * 35 mm
Life Span (hrs)	Dimension



LED DIMMABLE BULBS

1002C - GU10 — 3 W

230	3	180	GU10	45°
Voltage (V)	Power (W)	Lighting Efficiency (Lm)	Socket available	Beam Angle

20.000	50 * 55 mm
Life Span (hrs)	Dimension



1010AEDC E27 — 4 W

230	4	240	E27	360°
Voltage (V)	Power (W)	Lighting Efficiency (Lm)	Socket available	Beam Angle

20.000	60 * 124 mm
Life Span (hrs)	Dimension



1010BEDC E27 — 5 W

230	5	400	E27	360°
Voltage (V)	Power (W)	Lighting Efficiency (Lm)	Socket available	Beam Angle

20.000	70 * 137 mm
Life Span (hrs)	Dimension



LED DIMMABLE BULBS

1010CEDC - E27 — 7 W

230	7	540	E27	360°
Voltage (V)	Power (W)	Lighting Efficiency (Lm)	Socket available	Beam Angle

20.000	80 *160 mm
Life Span (hrs)	Dimension



1011BMDC E14 — 5 W

230	5	400	E14	360°
Voltage (V)	Power (W)	Lighting Efficiency (Lm)	Socket available	Beam Angle

20.000	42 * 156,5 mm
Life Span (hrs)	Dimension



CB OPTIMAL S.R.O.



LIGHTING SOURCE DEVELOPMENT HISTORY



Indoor Lights

BULBS & DOWNLIGHTS

LED BULBS 230 V

OKSA LED90 E27 — 4,5 W

230	4,5	380	E27	360°
Voltage (V)	Power (W)	Lighting Efficiency (Lm)	Socket available	Beam Angle

50.000	125 * 55 mm
Life Span (hrs)	Dimension



NESTA LED86 E27 — 10 W

230	10	720	E27	360°
Voltage (V)	Power (W)	Lighting Efficiency (Lm)	Socket available	Beam Angle

50.000	138 * 48 mm
Life Span (hrs)	Dimension



LED - E27 - OV - 66 — 3,3 W

230	3,3	265	E27	360°
Voltage (V)	Power (W)	Lighting Efficiency (Lm)	Socket available	Beam Angle

50.000	110 * 45 mm
Life Span (hrs)	Dimension



LED - E27 - OV - 54H — 8,2 W

230	8,2	654	E27	360°
Voltage (V)	Power (W)	Lighting Efficiency (Lm)	Socket available	Beam Angle

50.000	120 * 50 mm
Life Span (hrs)	Dimension



LED BULBS 230 V

LED - E27 - OV - 88H 13,2 W

230	13,2	1050	E27	360°
Voltage (V)	Power (W)	Lighting Efficiency (Lm)	Socket available	Beam Angle

50.000	150 * 70 mm
Life Span (hrs)	Dimension



LED - E27 - WW - 90 4,5 W

230	4,5	540	E27	360°
Voltage (V)	Power (W)	Lighting Efficiency (Lm)	Socket available	Beam Angle

50.000	120 * 50 mm
Life Span (hrs)	Dimension



LED - E27 - OV - 128H 19,5 W

230	19,5	1500	E27	360°
Voltage (V)	Power (W)	Lighting Efficiency (Lm)	Socket available	Beam Angle

50.000	160 * 95 mm
Life Span (hrs)	Dimension



LED - E27 - OV - 88SMD 13,2 W

230	13,2	1200	E27	360°
Voltage (V)	Power (W)	Lighting Efficiency (Lm)	Socket available	Beam Angle

30.000	155 * 61 mm
Life Span (hrs)	Dimension



LED BULBS 230 V

LED - E27 - OV - 54SMD 8,3 W

230	8,3	800	E27	360°
Voltage (V)	Power (W)	Lighting Efficiency (Lm)	Socket available	Beam Angle

30.000	118 * 40 mm
Life Span (hrs)	Dimension



LED - E14 - OV - 90 4,5 W

230	4,5	540	E14	360°
Voltage (V)	Power (W)	Lighting Efficiency (Lm)	Socket available	Beam Angle

50.000	120 * 50 mm
Life Span (hrs)	Dimension



LED - E14 - OV - 66 3,3 W

230	3,3	310	E14	360°
Voltage (V)	Power (W)	Lighting Efficiency (Lm)	Socket available	Beam Angle

50.000	115 * 40 mm
Life Span (hrs)	Dimension



LED - E14 - 88 4 W

230	4	350	E14	360°
Voltage (V)	Power (W)	Lighting Efficiency (Lm)	Socket available	Beam Angle

50.000	113 * 60 mm
Life Span (hrs)	Dimension



LED BULBS 230 V

LED - E14 - OV - 54H 8,2 W

230	8,2	645	E14	360°
Voltage (V)	Power (W)	Lighting Efficiency (Lm)	Socket available	Beam Angle

50.000	125 * 50 mm
Life Span (hrs)	Dimension



LED - E14 - SC - 88 4 W

230	4	350	E14	360°
Voltage (V)	Power (W)	Lighting Efficiency (Lm)	Socket available	Beam Angle

50.000	125 * 42 mm
Life Span (hrs)	Dimension



LED - E14 - OV - 88H 13,2 W

230	13,2	1050	E14	360°
Voltage (V)	Power (W)	Lighting Efficiency (Lm)	Socket available	Beam Angle

50.000	150 * 70 mm
Life Span (hrs)	Dimension



LED - G24 - OV - 36 6 W

230	6	540	G24	360°
Voltage (V)	Power (W)	Lighting Efficiency (Lm)	Socket available	Beam Angle

50.000	100 * 35 mm
Life Span (hrs)	Dimension



LED BULBS 230 V

LED - G24 - HO - 24 — 4 W

230	4	480	G24	60°/LED
Voltage (V)	Power (W)	Lighting Efficiency (Lm)	Socket available	Beam Angle

50.000	147 * 40 mm
Life Span (hrs)	Dimension



LED - G24 - HB — 8 W

230	8	600	G24	120°
Voltage (V)	Power (W)	Lighting Efficiency (Lm)	Socket available	Beam Angle

50.000	116 * 35 mm
Life Span (hrs)	Dimension



LED - G24 - HB — 11 W

230	11	900	G24	120°
Voltage (V)	Power (W)	Lighting Efficiency (Lm)	Socket available	Beam Angle

50.000	136 * 35 mm
Life Span (hrs)	Dimension



LED - G24 - OV — 3,5 W

230	3,5	300	G24	360°
Voltage (V)	Power (W)	Lighting Efficiency (Lm)	Socket available	Beam Angle

50.000	150 * 50 mm
Life Span (hrs)	Dimension



LED BULBS 230 V

LED - 24SMD - GU10 — 3 W

230	3	260	GU10	120°
Voltage (V)	Power (W)	Lighting Efficiency (Lm)	Socket available	Beam Angle

50.000	63 * 50 mm
Life Span (hrs)	Dimension



LED - GU10 — 3 x 1 W

230	3 x1	165	GU10	30°
Voltage (V)	Power (W)	Lighting Efficiency (Lm)	Socket available	Beam Angle

50.000	62 * 50 mm
Life Span (hrs)	Dimension



LED - 60 - GU10 — 3 W

230	3	240	GU 10	120°
Voltage (V)	Power (W)	Lighting Efficiency (Lm)	Socket available	Beam Angle

50.000	50 * 56 mm
Life Span (hrs)	Dimension

