

## Výpočet umělého osvětlení dle ČSN EN 12464-1



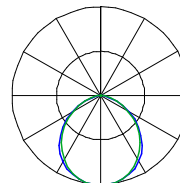
Soubor : VÝDEJ JÍDEL-65.wls

## Obsah

Použitá svítidla	2
VÝDEJ JÍDEL-62	3

## Použitá svítidla

Elkovo Čepelík  
Typ: ZC 418/13opál IP54  
Označení: -  
Název: 4x18W, M600, opál. kryt IP54  
Krytí: IP54  
Zdroj: NG 18W/840 G13, MASTER TL-D Super 80 New Generation  
18W, 1350lm, 10000hod, Ra 80  
Počet svítidel: 10



## VÝDEJ JÍDEL-62

Prostor	VÝDEJ JÍDEL-62	-
Délka	6000	mm
Šířka	13400	mm
Výška	3200	mm
Činitel odrazu stropu	0.70	-
Činitel odrazu stěn 1,2,3,4	0.50 0.50 0.50 0.50	-
Činitel odrazu podlahy	0.30	-
Udržovací činitel	Počítán	-
Čistota prostředí	Čisté	-
Interval čištění svítidel	12	Měsíců
Interval obnovy povrchů	36	Měsíců
Interval výměny zdrojů	Individuální	-
Nejistota výpočtu	0.0	%

### Rozmístění výpočetních bodů

Místo zrakového úkolu	Místo zrakového úkolu 1			-
Souřadnice prvního bodu	150	112	750	mm
Rozteč bodů 1	300	0	0	mm
Rozteč bodů 2	0	223	0	mm
Počet ve směru rozteče 1,2	20	60		-

### Rozmístění svítidel

Soustava svítidel 1	Soustava svítidel 1			-
Svítidlo	ZC 418/13opál IP54			-
Světelný zdroj	NG 18W/840 G13			-
Souřadnice prvního svítidla	1500	1340	3200	mm
Rozteč svítidel 1	3000	0	0	mm
Rozteč svítidel 2	0	2680	0	mm
Počet ve směru rozteče 1,2	2	5		-
Počet svítidel	10			-
Vektor optické osy	0.00	0.00	-1.00	-
Vektor osy C0	0.00	1.00	0.00	-
Úhel otočení	90			°
Úhel naklonění	0			°
Úhel natočení	0			°

### Horizontální udržovaná osvětlenost v kontrolních bodech - Místo zrakového úkolu 1

Udržovací činitel **0.71**  
 Minimální hodnota **135.0 lx**  
 Střední hodnota **284.0 lx**  
 Maximální hodnota **348.4 lx**  
 Rovnoměrnost **0.48**

Y\X	150	450	750	1050	1350	1650	1950	2250	2550	2850	3150
112	<b>135.1</b>	154.5	172.5	188.0	199.5	205.6	206.7	204.4	201.3	199.0	198.9
335	148.2	169.5	190.0	207.9	220.8	227.4	227.9	224.2	219.9	217.1	217.1
558	160.6	183.8	206.8	226.8	241.1	248.1	248.0	243.3	237.6	234.3	234.3
781	171.8	197.2	222.3	244.3	260.0	267.4	266.7	261.0	254.3	250.1	250.1
1004	181.9	209.1	236.0	259.2	275.6	283.2	282.6	276.5	268.8	264.0	264.0
1227	190.1	218.8	246.9	270.7	287.6	295.6	295.1	288.9	280.8	275.6	275.6
1450	196.1	225.6	254.3	278.6	295.8	304.1	303.7	297.6	289.5	284.2	284.2
1673	200.2	229.6	258.3	283.2	300.8	309.2	308.8	302.7	295.0	290.0	290.0
1896	202.8	231.8	260.1	284.9	302.7	311.3	311.1	305.4	298.5	293.9	293.9
2119	204.8	233.3	261.0	285.2	302.7	311.5	311.9	306.8	300.6	296.7	296.7
2342	206.4	234.6	261.8	285.3	302.4	311.3	312.4	308.1	302.4	298.7	298.7
2565	208.3	236.6	263.5	286.5	303.4	312.4	313.8	310.2	305.0	301.2	301.2
2788	210.5	239.0	266.0	289.2	306.2	315.3	316.8	313.2	308.0	304.3	304.3

Y\X	150	450	750	1050	1350	1650	1950	2250	2550	2850	3150
3011	213.2	241.9	269.4	293.4	310.9	320.1	321.4	317.2	311.7	308.1	308.1
3234	216.4	245.6	274.2	299.2	317.2	326.5	327.3	322.5	316.4	312.5	312.5
3457	219.5	249.7	279.2	305.0	323.8	333.2	333.4	328.1	321.3	316.9	316.9
3680	222.5	253.5	283.9	310.3	329.2	338.6	338.9	333.1	325.7	320.8	320.8
3903	224.6	256.3	287.2	313.6	332.5	341.9	342.4	336.7	328.8	323.6	323.6
4126	225.5	257.3	288.3	314.8	333.6	343.1	343.6	338.0	330.1	324.9	324.9
4349	225.2	256.4	286.9	313.5	332.5	342.0	342.4	336.7	329.3	324.4	324.4
4572	224.1	254.4	284.2	310.4	329.3	338.9	339.3	334.0	327.3	322.9	322.9
4795	222.9	252.4	281.3	306.6	325.1	334.6	335.6	331.0	325.0	321.1	321.1
5018	221.8	250.8	278.9	303.3	321.2	330.7	332.3	328.4	322.9	319.4	319.4
5241	221.4	250.4	278.0	301.7	319.3	328.8	330.7	327.4	322.3	318.7	318.7
5464	221.7	250.6	278.2	302.0	319.5	329.1	331.0	327.6	322.6	319.1	319.1
5687	222.7	251.7	279.7	304.2	322.0	331.7	333.3	329.4	324.0	320.5	320.5
5910	224.4	253.9	282.8	308.2	326.6	336.2	337.3	332.7	326.7	323.0	323.0
6133	226.2	256.6	286.5	312.6	331.7	341.3	341.8	336.6	330.0	325.6	325.6
6356	228.2	259.4	290.0	316.7	335.7	345.3	345.9	340.2	332.9	328.1	328.1
6579	229.3	261.1	292.2	318.9	337.8	347.5	348.2	342.6	334.8	329.6	329.6
6802	229.4	261.2	292.4	319.1	338.0	347.7	<b>348.4</b>	342.8	334.9	329.7	329.7
7025	228.3	259.6	290.2	316.9	336.1	345.7	346.2	340.5	333.1	328.3	328.3
7248	226.4	256.9	286.8	313.0	332.1	341.7	342.2	336.9	330.3	325.9	325.9
7471	224.6	254.2	283.1	308.5	327.1	336.7	337.6	333.0	327.0	323.2	323.2
7694	222.8	251.8	279.9	304.4	322.3	331.9	333.5	329.6	324.2	320.7	320.7
7917	221.7	250.7	278.4	302.1	319.6	329.3	331.1	327.8	322.7	319.1	319.1
8140	221.4	250.3	277.9	301.6	319.2	328.8	330.6	327.3	322.3	318.7	318.7
8363	221.8	250.8	278.7	303.1	320.9	330.5	332.1	328.2	322.8	319.3	319.3
8586	222.8	252.3	281.1	306.4	324.7	334.3	335.3	330.8	324.7	321.0	321.0
8809	224.0	254.2	284.0	310.1	329.0	338.5	339.1	333.8	327.1	322.7	322.7
9032	225.2	256.3	286.8	313.3	332.3	341.8	342.2	336.5	329.1	324.3	324.3
9255	225.6	257.2	288.2	314.7	333.4	342.9	343.6	337.9	330.0	324.8	324.8
9478	224.7	256.5	287.5	314.0	332.7	342.2	342.8	337.1	329.1	323.8	323.8
9701	222.7	253.9	284.2	310.7	329.6	339.0	339.3	333.5	326.1	321.2	321.2
9924	219.8	250.0	279.6	305.5	324.3	333.7	334.0	328.5	321.7	317.3	317.3
10147	216.7	246.0	274.5	299.6	317.8	327.1	327.8	322.9	316.8	313.0	313.0
10370	213.5	242.1	269.8	293.8	311.3	320.6	321.8	317.6	312.0	308.5	308.5
10593	210.7	239.3	266.3	289.5	306.6	315.7	317.2	313.6	308.3	304.6	304.6
10816	208.6	236.8	263.6	286.7	303.6	312.6	314.0	310.4	305.2	301.6	301.6
11039	206.6	234.8	261.9	285.4	302.4	311.4	312.5	308.2	302.6	299.0	299.0
11262	205.0	233.4	261.1	285.3	302.7	311.5	312.0	307.0	300.7	296.8	296.8
11485	203.0	231.9	260.3	285.1	302.8	311.4	311.3	305.6	298.7	294.2	294.2
11708	200.5	229.8	258.5	283.4	301.1	309.5	309.1	303.0	295.3	290.4	290.4
11931	196.6	226.0	254.7	279.2	296.3	304.5	304.3	298.1	290.0	284.7	284.7
12154	190.7	219.5	247.8	271.8	288.5	296.5	296.2	290.0	281.8	276.4	276.4
12377	182.7	210.1	237.0	260.4	276.8	284.5	283.9	277.6	270.0	265.2	265.2
12600	172.8	198.3	223.5	245.6	261.5	268.9	268.1	262.4	255.6	251.4	251.4
12823	161.7	185.1	208.1	228.4	242.9	249.9	249.7	244.8	239.2	235.8	235.8
13046	149.4	170.7	191.5	209.6	222.6	229.3	229.7	225.9	221.4	218.6	218.6
13269	136.2	155.8	174.2	189.9	201.5	207.6	208.5	206.2	202.9	200.5	200.5

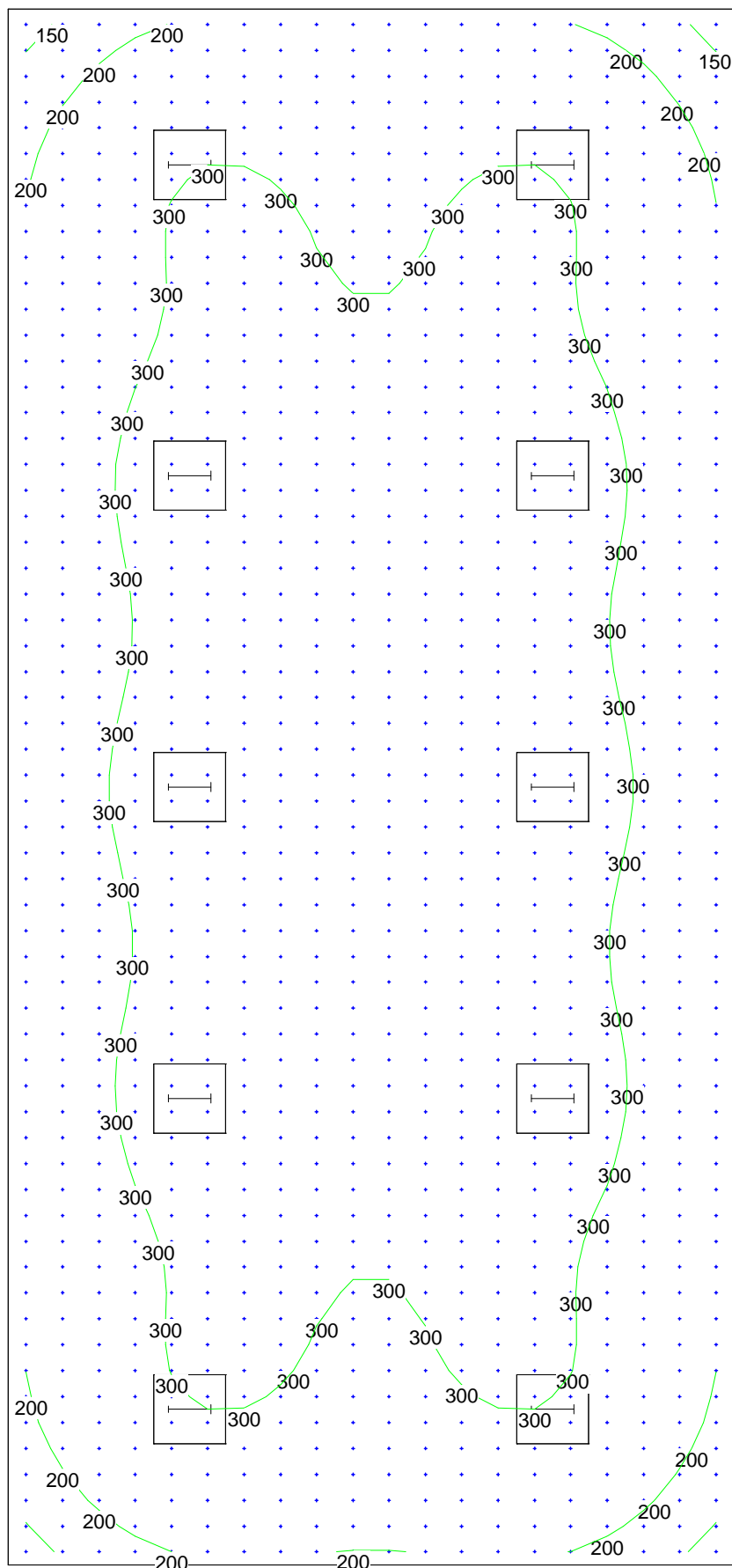
Y\X	3450	3750	4050	4350	4650	4950	5250	5550	5850
112	201.3	204.4	206.6	205.6	199.5	188.0	172.5	154.4	<b>135.0</b>
335	219.9	224.2	227.9	227.4	220.8	207.9	190.0	169.5	148.2
558	237.6	243.2	248.0	248.1	241.1	226.8	206.7	183.8	160.6
781	254.3	260.9	266.7	267.4	260.0	244.2	222.2	197.2	171.8
1004	268.8	276.5	282.6	283.2	275.5	259.2	235.9	209.1	181.8
1227	280.8	288.9	295.1	295.6	287.6	270.7	246.8	218.8	190.0
1450	289.5	297.6	303.7	304.1	295.8	278.6	254.2	225.5	196.1
1673	295.0	302.7	308.8	309.2	300.8	283.2	258.3	229.6	200.2
1896	298.5	305.4	311.1	311.3	302.7	284.9	260.1	231.8	202.8
2119	300.6	306.8	311.8	311.4	302.7	285.2	261.0	233.2	204.8
2342	302.4	308.1	312.3	311.3	302.3	285.3	261.8	234.6	206.4
2565	305.0	310.2	313.8	312.4	303.4	286.5	263.5	236.6	208.2
2788	308.0	313.2	316.8	315.3	306.2	289.1	266.0	239.0	210.5
3011	311.7	317.2	321.3	320.1	310.8	293.4	269.4	241.8	213.2
3234	316.4	322.5	327.3	326.5	317.2	299.1	274.1	245.6	216.3
3457	321.3	328.1	333.4	333.1	323.8	305.0	279.2	249.6	219.5
3680	325.7	333.1	338.9	338.5	329.2	310.3	283.9	253.5	222.5
3903	328.8	336.7	342.4	341.9	332.5	313.6	287.2	256.3	224.6
4126	330.1	338.0	343.6	343.1	333.6	314.7	288.2	257.2	225.5
4349	329.3	336.7	342.4	342.0	332.5	313.5	286.9	256.4	225.2
4572	327.3	334.0	339.3	338.8	329.3	310.4	284.2	254.4	224.0
4795	324.9	330.9	335.6	334.6	325.1	306.6	281.3	252.4	222.9
5018	322.9	328.4	332.3	330.7	321.2	303.3	278.8	250.8	221.8
5241	322.3	327.4	330.7	328.8	319.2	301.7	278.0	250.3	221.3
5464	322.6	327.6	331.0	329.1	319.5	301.9	278.2	250.6	221.7
5687	324.0	329.4	333.2	331.6	322.0	304.1	279.7	251.7	222.6

Y\X	3450	3750	4050	4350	4650	4950	5250	5550	5850
5910	326.7	332.7	337.3	336.2	326.6	308.2	282.8	253.9	224.3
6133	330.0	336.6	341.8	341.3	331.7	312.6	286.4	256.6	226.2
6356	332.9	340.2	345.9	345.3	335.7	316.6	289.9	259.3	228.1
6579	334.8	342.6	348.2	347.5	337.8	318.9	292.2	261.1	229.3
6802	334.9	342.8	<b>348.4</b>	347.7	338.0	319.1	292.4	261.2	229.3
7025	333.1	340.5	346.2	345.7	336.1	316.9	290.2	259.5	228.2
7248	330.3	336.9	342.2	341.6	332.1	313.0	286.7	256.8	226.4
7471	327.0	333.0	337.6	336.6	327.0	308.4	283.0	254.1	224.5
7694	324.2	329.6	333.5	331.9	322.3	304.4	279.9	251.8	222.8
7917	322.7	327.8	331.1	329.2	319.6	302.0	278.4	250.7	221.6
8140	322.3	327.3	330.6	328.7	319.2	301.6	277.9	250.3	221.4
8363	322.8	328.2	332.1	330.5	320.9	303.1	278.7	250.7	221.7
8586	324.7	330.8	335.3	334.2	324.7	306.4	281.1	252.2	222.7
8809	327.1	333.8	339.0	338.5	329.0	310.1	284.0	254.2	223.9
9032	329.1	336.5	342.2	341.8	332.3	313.3	286.7	256.2	225.1
9255	330.0	337.8	343.5	342.9	333.4	314.7	288.2	257.2	225.5
9478	329.1	337.1	342.8	342.2	332.7	314.0	287.5	256.5	224.7
9701	326.1	333.4	339.3	339.0	329.6	310.7	284.2	253.8	222.7
9924	321.7	328.5	333.9	333.6	324.3	305.5	279.5	249.9	219.7
10147	316.8	322.9	327.8	327.1	317.8	299.5	274.5	245.9	216.7
10370	312.0	317.6	321.8	320.6	311.3	293.8	269.7	242.1	213.5
10593	308.3	313.6	317.2	315.7	306.5	289.5	266.3	239.2	210.7
10816	305.2	310.4	314.0	312.6	303.5	286.6	263.6	236.7	208.5
11039	302.6	308.2	312.5	311.4	302.4	285.3	261.8	234.7	206.6
11262	300.7	307.0	312.0	311.4	302.6	285.2	261.0	233.3	204.9
11485	298.7	305.6	311.3	311.4	302.8	285.0	260.2	231.9	203.0
11708	295.3	303.0	309.1	309.5	301.0	283.4	258.5	229.8	200.5
11931	290.0	298.1	304.3	304.5	296.2	279.2	254.7	225.9	196.5
12154	281.8	290.0	296.2	296.5	288.5	271.8	247.7	219.5	190.6
12377	270.0	277.6	283.9	284.5	276.8	260.3	236.9	210.0	182.6
12600	255.6	262.4	268.1	268.8	261.5	245.6	223.5	198.2	172.7
12823	239.2	244.8	249.6	249.9	242.9	228.3	208.1	185.0	161.6
13046	221.4	225.9	229.6	229.3	222.6	209.6	191.5	170.7	149.3
13269	202.9	206.2	208.5	207.6	201.5	189.9	174.1	155.8	136.2

## VÝDEJ JÍDEL-62

### Místo zřakového úkolu 1 - Udržovaná osvětlenost v kontrolních bodech

Emin: 135.0 Em: 284.0 Emax: 348.4 R=Emin/Emed: 0.48 Z: 0.71



## VÝDEJ JÍDEL-62

-

