

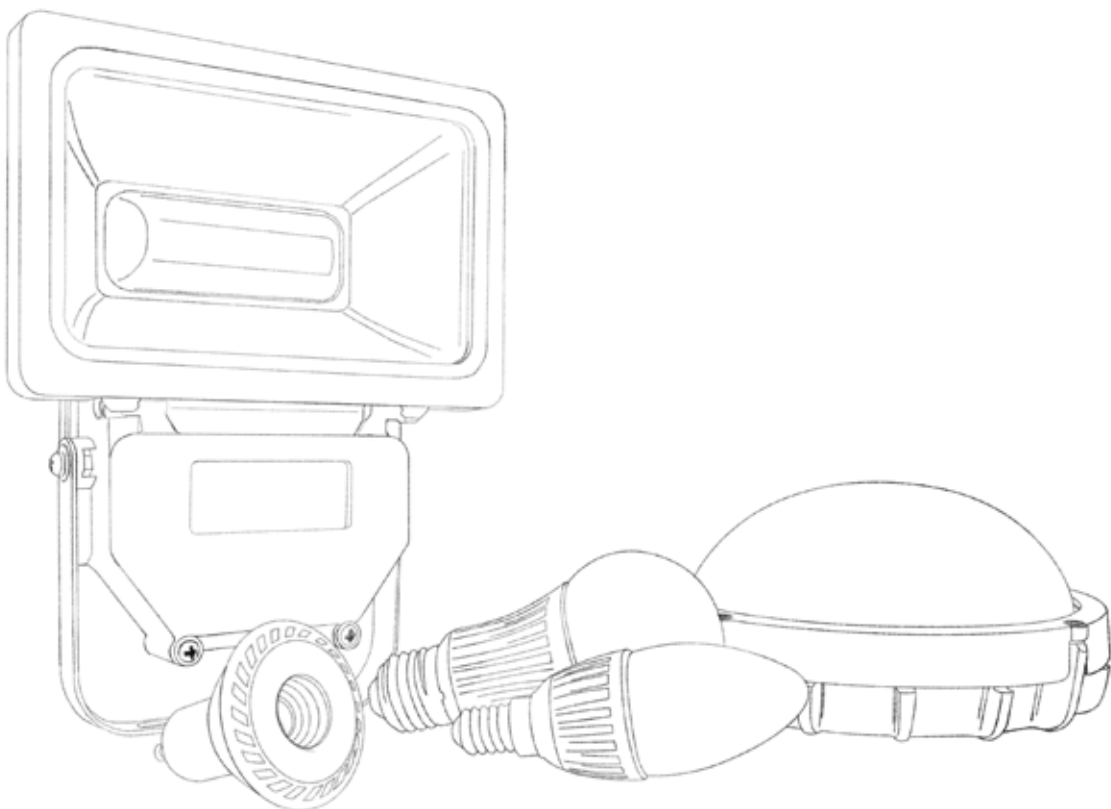
Navigator®

catalogue
of lighting
products
2016



Contents

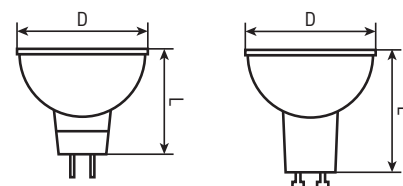
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Navigator LED lamps (NLL Series)

Features:

- innovative, high-tech, eco-friendly sources of light
- saves up to 90% energy in comparison with traditional lamps
- last 40 times longer than incandescent lamps
- available in wide range of shapes and bases
- ideal for replacement of incandescent and halogen lamps
- reaches full brightness instantly
- high color rendering index – CRI>80
- available in three color temperatures: warm white (2700K), cool white (4000K), daylight (6500K)
- high power factor solution is available (HPF) – PF>0.9



GU5.3



GU10



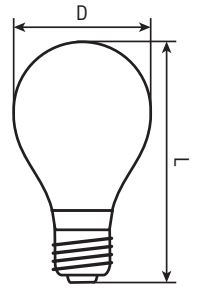
GU10 60D

Reference	Wattage, W	Voltage, V	Color temp., K	Luminous flux, lm	Beam angle	D/L, mm	Pack Qty	Barcode (code of reference in bold)	CRI	Lifetime, H
NLL-MR16-7-12-3K-GU5.3	7	12 AC/DC	3000	450	120	50/40	20/100	4670004 71724 0	80	30000
NLL-MR16-7-12-4K-GU5.3	7	12 AC/DC	4000	480	120	50/40	20/100	4670004 71725 7	80	30000
NLL-MR16-7-12-6.5K-GU5.3	7	12 AC/DC	6500	510	120	50/40	20/100	4670004 71726 4	80	30000
NLL-PAR16-3-230-4K-GU10	3	180–250	4000	230	120	50/50	20/100	4607136 94128 1	80	30000
NLL-PAR16-5-230-3K-GU10	5	180–250	3000	350	120	50/50	20/100	4607136 94264 6	80	30000
NLL-PAR16-5-230-4K-GU10	5	180–250	4000	375	120	50/50	20/100	4607136 94130 4	80	30000
NLL-PAR16-5-230-6.5K-GU10	5	180–250	6500	400	120	50/50	20/100	4670004 71717 2	80	30000
NLL-PAR16-7-230-3K-GU10	7	180–250	3000	450	120	50/50	20/100	4607136 94226 4	80	30000
NLL-PAR16-7-230-4K-GU10	7	180–250	4000	480	120	50/50	20/100	4607136 94227 1	80	30000
NLL-PAR16-7-230-6.5K-GU10	7	180–250	6500	510	120	50/50	20/100	4670004 71719 6	80	30000
NLL-PAR16-5-230-3K-GU10-60D	5	180–250	3000	320	60	50/50	20/100	4607136 94367 4	80	30000
NLL-PAR16-5-230-4K-GU10-60D	5	180–250	4000	350	60	50/50	20/100	4607136 94368 1	80	30000
NLL-PAR16-5-230-6.5K-GU10-60D	5	180–250	6500	370	60	50/50	20/100	4670004 71718 9	80	30000
NLL-PAR16-7-230-3K-GU10-60D	7	180–250	3000	425	60	50/50	20/100	4607136 94352 0	80	30000
NLL-PAR16-7-230-4K-GU10-60D	7	180–250	4000	450	60	50/50	20/100	4607136 94353 7	80	30000
NLL-PAR16-7-230-6.5K-GU10-60D	7	180–250	6500	470	60	50/50	20/100	4670004 71720 2	80	30000
NLL-PAR16-7-230-3K-GU10-60D-HPF	7	180–250	3000	425	60	50/50	20/100	4670004 71995 4	80	30000
NLL-PAR16-7-230-4K-GU10-60D-HPF	7	180–250	4000	450	60	50/50	20/100	4670004 71996 1	80	30000
NLL-PAR16-7-230-6.5K-GU10-60D-HPF	7	180–250	6500	470	60	50/50	20/100	4670004 71997 8	80	30000

Navigator LED lamps (NLL Series)

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- ideal for replacement of incandescent and halogen lamps
- reaches full brightness instantly
- high color rendering index – CRI>80
- available in two color temperatures: warm white (2700K), cool white (4000K)



Pic. 1



Pic. 2



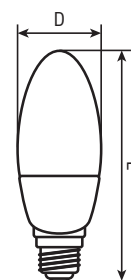
Pic. 3

Reference	Wattage, W	Voltage, V	Color temp., K	Luminous flux	Beam angle	D/L, mm	Pack Qty	Barcode (code of reference in bold)	CRI	Lifetime, H	Pic., No
NLL-A55-7-230-2.7K-E27	7	180–250	2700	525	270	55/110	10/100	4607136 94385 8	80	30000	3
NLL-A55-7-230-4K-E27	7	180–250	4000	595	270	55/110	10/100	4607136 94386 5	80	30000	3
NLL-A60-9-230-2.7K-E27	9	180–250	2700	675	270	60/110	10/100	4670004 71727 1	80	30000	3
NLL-A60-9-230-4K-E27	9	180–250	4000	750	270	60/110	10/100	4670004 71728 8	80	30000	3
NLL-A65-12-230-2.7K-E27	12	180–250	2700	900	270	65/125	10/100	4670004 71296 2	80	30000	3
NLL-A65-12-230-4K-E27	12	180–250	4000	1020	270	65/125	10/100	4670004 71297 9	80	30000	3
NLL-P-G45-5-230-2.7K-E14	5	180–250	2700	330	270	45/78	10/100	4607136 94476 3	80	30000	1
NLL-P-G45-5-230-4K-E14	5	180–250	4000	350	270	45/78	10/100	4607136 94478 7	80	30000	1
NLL-P-G45-5-230-2.7K-E27	5	180–250	2700	330	270	45/70	10/100	4607136 94477 0	80	30000	2
NLL-P-G45-5-230-4K-E27	5	180–250	4000	350	270	45/70	10/100	4607136 94479 4	80	30000	2

Navigator LED lamps (NLL Series)

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Pic. 1



Pic. 2



Pic. 3



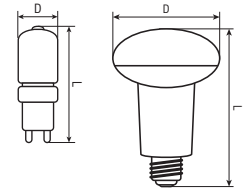
Pic. 4

Reference	Wattage, W	Voltage, V	Color temp., K	Luminous flux, lm	Beam angle	D/L, mm	Pack Qty	Barcode (code of reference in bold)	CRI	Lifetime, H	Pic., No
NLL-P-C37-5-230-2.7K-E14-FR	5	180–250	2700	330	270	37/105	10/100	4607136 94480 0	80	30000	1
NLL-P-C37-5-230-4K-E14-FR	5	180–250	4000	350	270	37/105	10/100	4607136 94482 4	80	30000	1
NLL-P-C37-5-230-2.7K-E27-FR	5	180–250	2700	330	270	37/105	10/100	4607136 94481 7	80	30000	2
NLL-P-C37-5-230-4K-E27-FR	5	180–250	4000	350	270	37/105	10/100	4607136 94483 1	80	30000	2
NLL-P-FC37-5-230-2.7K-E14-FR	5	180–250	2700	330	270	37/132	10/100	4607136 94496 1	80	30000	3
NLL-P-FC37-5-230-2.7K-E27-FR	5	180–250	2700	330	270	37/132	10/100	4670004 71729 5	80	30000	4

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- reaches full brightness instantly
- high color rendering index – CRI>80



Pic. 1



Pic. 2



Pic. 3



Pic. 4



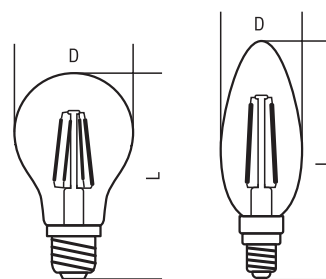
Pic. 5

Reference	Wattage, W	Voltage, V	Color temp., K	Luminous flux, lm	Beam angle	Base	D/L, mm	Pack Qty	Barcode (code of reference in bold)	CRI	Lifetime, H	Pic. No
NLL-G9-2.5-230-3K-P	2.5	180–250	3000	170	230	G9	16/52	20/100	4670004 71351 8	80	30000	2
NLL-G95-12-230-2.7K-E27	12	180–250	2700	1000	230	E27	95/125	10/40	4607136 94147 2	80	40000	1
NLL-G105-18-230-2.7K-E27	18	180–250	2700	1500	230	E27	105/140	10/40	4607136 94146 5	80	40000	1
NLL-R39-2.5-230-2.7K-E14	2.5	180–250	2700	175	120	E14	39/67	10/100	4607136 94261 5	80	30000	3
NLL-R39-2.5-230-4K-E14	2.5	180–250	4000	200	120	E14	39/67	10/100	4607136 94134 2	80	30000	3
NLL-R50-5-230-2.7K-E14	5	180–250	2700	350	120	E14	50/85	10/100	4607136 94259 2	80	30000	4
NLL-R50-5-230-4K-E14	5	180–250	4000	400	120	E14	50/85	10/100	4607136 94136 6	80	30000	4
NLL-R63-8-230-2.7K-E27	8	180–250	2700	600	120	E27	63/106	10/100	4607136 94260 8	80	30000	5
NLL-R63-8-230-4K-E27	8	180–250	4000	650	120	E27	63/106	10/100	4607136 94138 0	80	30000	5

Navigator LED lamps (NLL-F Series)

Features:

- innovative, high-tech, eco-friendly sources of light
- saves up to 90% energy in comparison with traditional lamps
- last 40 times longer than incandescent lamps
- available in wide range of shapes and bases
- ideal for replacement of incandescent and halogen lamps
- reaches full brightness instantly
- high color rendering index – CRI>80



Pic. 1



Pic. 2



Pic. 3



Pic. 4



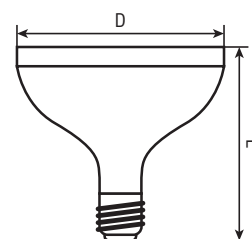
Pic. 5

Reference	Wattage, W	Voltage, V	Color temp., K	Luminous flux, lm	Beam angle	Base	D/L, mm	Pack Qty	Barcode (code of reference in bold)	CRI	Lifetime, H	Pic., No
NLL-F-A60-6-230-2.7K-E27	6	180–250	2700	550	300	E27	60/105	10/100	4670004 71305 1	80	30000	1
NLL-F-A60-8-230-2.7K-E27	8	180–250	2700	650	300	E27	60/105	10/100	4670004 71306 8	80	30000	1
NLL-F-C35-4-230-2.7K-E14	4	180–250	2700	350	300	E14	35/100	10/100	4670004 71307 5	80	30000	2
NLL-F-C35-4-230-2.7K-E27	4	180–250	2700	350	300	E27	35/100	10/100	4670004 71730 5	80	30000	2*
NLL-F-FC35-4-230-2.7K-E14	4	180–250	2700	350	300	E14	35/120	10/100	4670004 71308 2	80	30000	3
NLL-F-TC35-4-230-2.7K-E14	4	180–250	2700	350	300	E14	35/110	10/100	4670004 71311 2	80	30000	5
NLL-F-G45-4-230-2.7K-E14	4	180–250	2700	350	300	E14	45/77	10/100	4670004 71309 9	80	30000	4
NLL-F-G45-4-230-2.7K-E27	4	180–250	2700	350	300	E27	45/77	10/100	4670004 71310 5	80	30000	4*

Navigator LED lamps (NLL Series)

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- last 40 times longer than incandescent lamps
- available in wide range of shapes and bases
- ideal for replacement of incandescent and halogen lamps
- reaches full brightness instantly
- high color rendering index – CRI>80



Pic. 1



Pic. 2



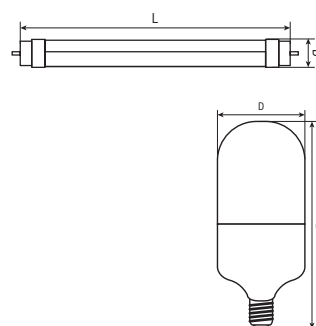
Pic. 3

Reference	Wattage, W	Voltage, V	Color temp., K	Luminous flux, lm	Beam angle	D/L, mm	Pack Qty	Barcode (code of reference in bold)	CRI	Lifetime, H	Pic., No
NLL-PAR20-8-230-3K-E27	8	100–240	3000	420	35	63/80	10/100	4607136 94487 9	80	40000	1
NLL-PAR30-15-230-3K-E27	15	100–240	3000	900	35	95/100	10/100	4607136 94488 6	80	40000	2
NLL-PAR38-18-230-3K-E27	18	100–240	3000	1260	35	120/130	10/40	4607136 94490 9	80	40000	3

Navigator LED lamps and tubes (NLL Series)

Features:

- innovative, high-tech, eco-friendly sources of light
- saves up to 90% energy in comparison with traditional lamps
- last 40 times longer than incandescent lamps
- available in wide range of shapes and bases
- ideal for replacement of incandescent and halogen lamps
- reaches full brightness instantly
- high color rendering index – CRI>80



E27



E27



E40



Reference	Wattage, W	Voltage, V	Color temp., K	Luminous flux, lm	Beam angle	Power factor, cos φ	Base	D/L, mm	Pack Qty	Barcode (code of reference in bold)	CRI	Lifetime, H
NLL-T8-9-230-4K-G13	9	100–240	4000	900	150	>0.9	G13	28.5/589.8	20	4670004 71711 0	80	40000
NLL-T8-9-230-6.5K-G13	9	100–240	6500	900	150	>0.9	G13	28.5/589.8	20	4670004 71712 7	80	40000
NLL-T8-18-230-4K-G13	18	100–240	4000	1800	150	>0.9	G13	28.5/1199.4	20	4670004 71713 4	80	40000
NLL-T8-18-230-6.5K-G13	18	100–240	6500	1800	150	>0.9	G13	28.5/1199.4	20	4670004 71714 1	80	40000
NLL-T8-24-230-4K-G13	24	100–240	4000	2400	150	>0.9	G13	28.5/1514	20	4670004 71715 8	80	40000
NLL-T8-24-230-6.5K-G13	24	100–240	6500	2400	150	>0.9	G13	28.5/1514	20	4670004 71716 5	80	40000
NLL-T70-20-230-840-E27	20	180–250	4000	1600	270	>0.7	E27	70/142	10/40	4607136 94379 7	80	40000
NLL-T75-25-230-840-E27	25	180–250	4000	2000	270	>0.7	E27	75/178	10/40	4607136 94338 4	80	40000
NLL-T105-45-230-840-E40	45	180–250	4000	4000	270	>0.7	E40	105/250	20	4607136 94340 7	80	40000

Navigator LED strip light (NLS Series)

Features:

- multi-purpose lighting source
- can be installed to any surface instantly
- different colors including RGB
- available in IP20 and IP65 (PU)
- double PCB
- 3M double-sided adhesive tape
- high efficiency Epistar LED

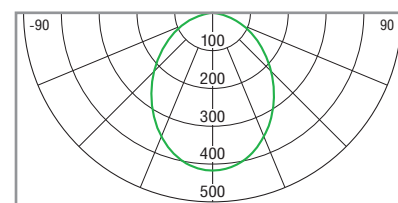
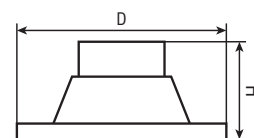



Reference	LED quantity, pcs/m	Wattage per meter	Luminous flux, lm per meter	Length of section, min., mm	Color	IP	Pack Qty	Barcode (code of reference in bold)
NLS-3528CW60-4.8-IP20-12V R5	60	4.8	300–360	50	CW 6000K	20	10/80	4670004 71762 2
NLS-3528CW60-4.8-IP65-12V R5	60	4.8	300–360	50	CW 6000K	65	10/80	4670004 71763 9
NLS-3528WW60-4.8-IP20-12V R5	60	4.8	300–360	50	WW 3000K	20	10/80	4670004 71402 7
NLS-3528WW60-4.8-IP65-12V R5	60	4.8	300–360	50	WW 3000K	65	10/80	4670004 71403 4
NLS-5050CW60-14.4-IP20-12V R5	60	14.4	1080–1200	50	CW 6000K	20	10/80	4670004 71768 4
NLS-5050CW60-14.4-IP65-12V R5	60	14.4	1080–1200	50	CW 6000K	65	10/80	4670004 71769 1
NLS-5050WW60-14.4-IP20-12V R5	60	14.4	1080–1200	50	WW 3000K	20	10/80	4670004 71426 3
NLS-5050WW60-14.4-IP65-12V R5	60	14.4	1080–1200	50	WW 3000K	65	10/80	4670004 71427 0
NLS-5050RGB60-14.4-IP65-12V R5	60	14.4		50	RGB	65	10/80	4670004 71429 4

Navigator LED downlights (NDL Series)

Features:

- reliable and effective replacement for traditional downlights and spotlights
- available in three body colors
- reaches full brightness instantly
- special frosted cover for glare reducing
- beam angle 90 degrees
- IP44
- high color rendering index – CRI>80

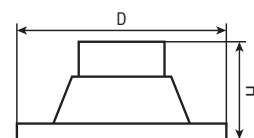


Reference	Wattage, W	Color	Voltage, V	Color temp., K	Luminous flux, lm	Power factor, cos φ	 mm	D/H, mm	Barcode (code of reference in bold)	CRI	Lifetime, H
NDL-P1-5W-830-WH-LED	5	White	180-240	3000	350	>0.8	53-70	83/58	4607136 94820 4	80	40 000
NDL-P1-6W-840-WH-LED	6	White	180-240	4000	420	>0.8	76-90	100/70	4607136 94833 4	80	40 000
NDL-P1-10W-840-WH-LED	10	White	180-240	4000	700	>0.9	100-110	121/70	4607136 94836 5	80	40 000
NDL-P1-18W-840-WH-LED	18	White	180-240	4000	1600	>0.9	150-160	170/69	4670004 71845 2	80	40 000
NDL-P1-18W-865-WH-LED	18	White	180-240	6500	1700	>0.9	150-160	170/69	4670004 71846 9	80	40 000
NDL-P1-25W-840-WH-LED	25	White	180-240	4000	2000	>0.9	195-210	222/70	4607136 94838 9	80	40 000
NDL-P1-25W-865-WH-LED	25	White	180-240	6500	2150	>0.9	195-210	222/70	4607136 94789 4	80	40 000
NDL-P1-35W-840-WH-LED	35	White	180-240	4000	3000	>0.9	200-220	245/95	4607136 94849 5	80	40 000

Navigator LED downlights (NDL Series)

Features:

- reliable and effective replacement for traditional downlights and spotlights
- rotating housing
- reaches full brightness instantly
- special lens provides directional light distribution with 38° angle
- IP44
- high color rendering index – CRI>80



Pic. 1



Pic. 2



Pic. 3



Pic. 4




Pic. 5



Pic. 6

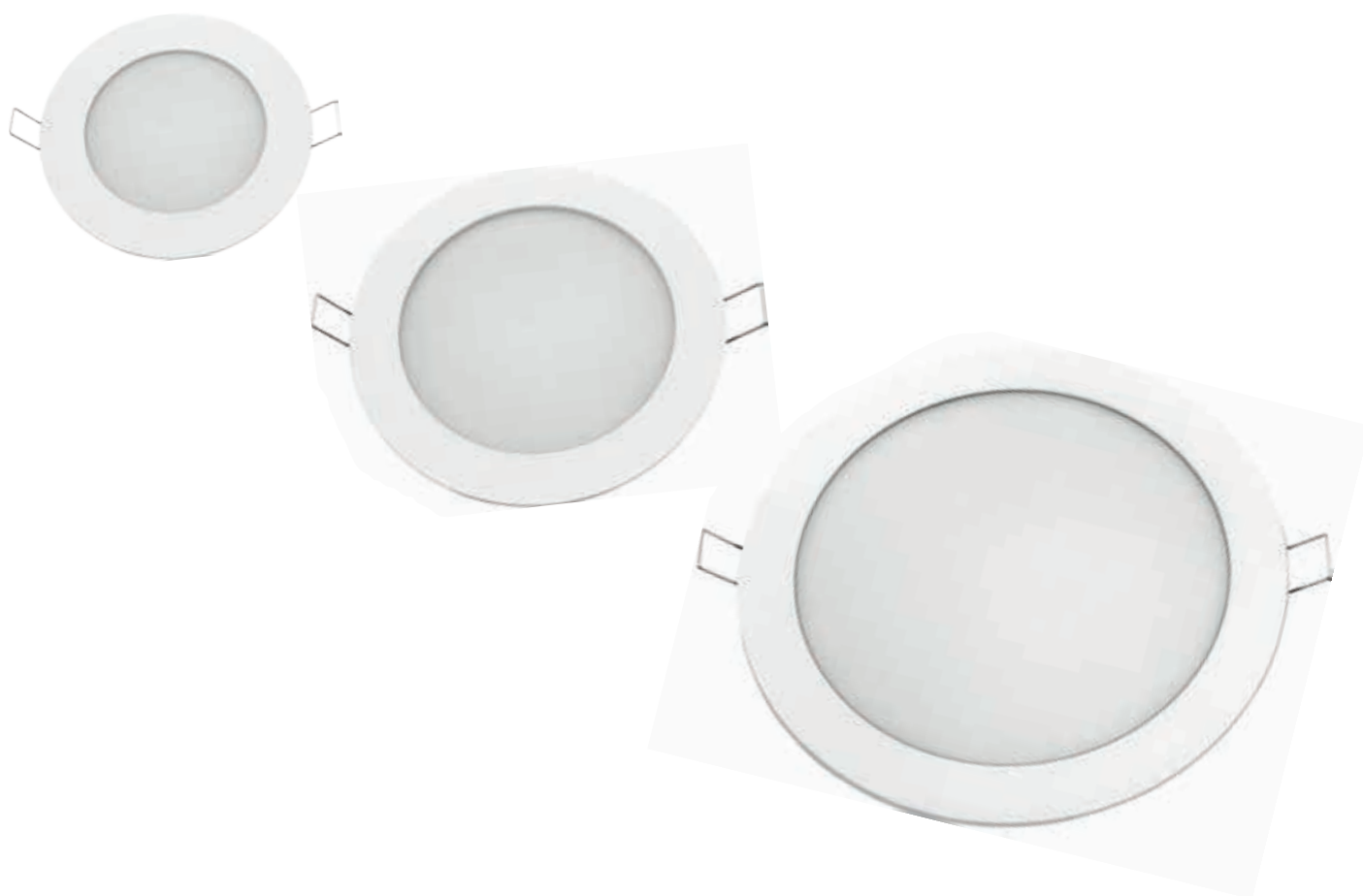
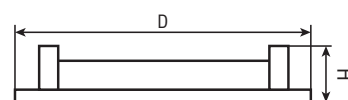



Reference	Wattage, W	Color	Voltage, V	Color temp., K	Luminous flux, lm	Power factor, cos φ	 mm	D/H, mm	Barcode (code of reference in bold)	CRI	Lifetime, H	Pic., No
NDL-PR2-6W-840-WH-LED	6	White	100–240	4000	390	>0.7	75–77	85/50	4670004 71386 0	80	40 000	1
NDL-PR2-9W-840-WH-LED	9	White	100–240	4000	590	>0.7	94–96	109/60	4670004 71387 7	80	40 000	2
NDL-PR2-14W-840-WH-LED	14	White	100–240	4000	1080	>0.7	119–121	138/68	4670004 71388 4	80	40 000	3
NDL-PS2-6W-840-WH-LED	6	White	100–240	4000	390	>0.7	75/75	95/95/50	4670004 71389 1	80	40 000	4
NDL-PS2-9W-840-WH-LED	9	White	100–240	4000	590	>0.7	100/100	120/120/60	4670004 71390 7	80	40 000	5
NDL-PS2-14W-840-WH-LED	14	White	100–240	4000	1080	>0.7	128/128	148/148/68	4670004 71391 4	80	40 000	6

Navigator LED slim downlights (NLP-R Series)

Features:

- reliable and effective replacement for traditional downlights
- reaches full brightness instantly
- ultra slim body – 13 mm thick
- high color rendering index
- special diffuser for uniform diffusion of light

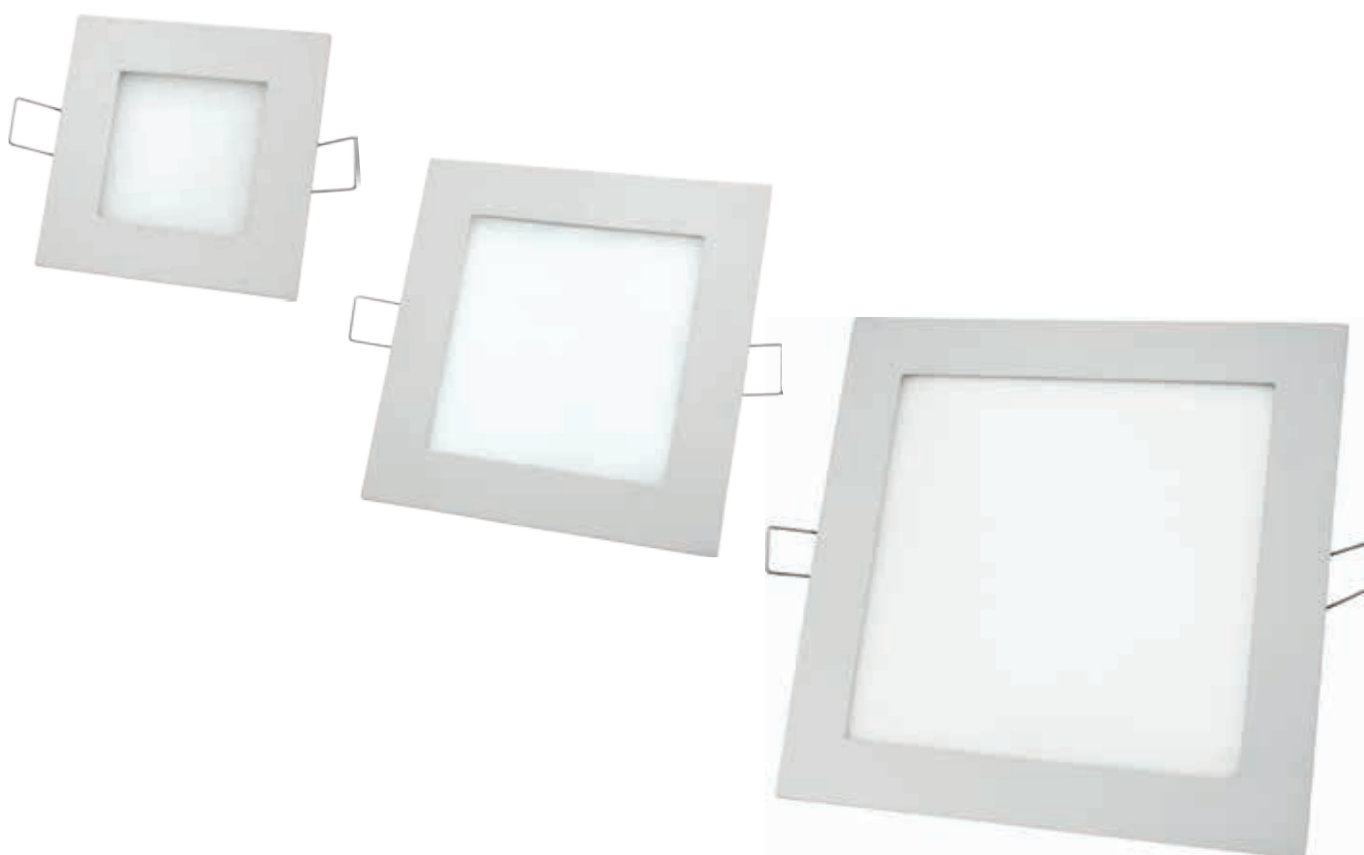
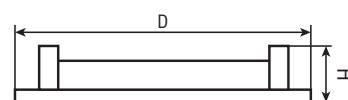



Reference	Wattage, W	Color	Voltage, V	Color temp., K	Luminous flux, lm	Power factor, cos φ	 mm	D/H, mm	Barcode (code of reference in bold)	CRI	Lifetime, H
NLP-R1-7W-R120-830-WH-LED	7	White	180-240	3000	350	>0.7	110-115	120/24	4670004 71374 7	80	30000
NLP-R1-7W-R120-840-WH-LED	7	White	180-240	4000	375	>0.7	110-115	120/24	4670004 71375 4	80	30000
NLP-R1-7W-R120-860-WH-LED	7	White	180-240	6000	400	>0.7	110-115	120/24	4670004 71789 9	80	30000
NLP-R1-12W-R170-830-WH-LED	12	White	180-240	3000	680	>0.9	162-166	170/24	4670004 71791 2	80	30000
NLP-R1-12W-R170-840-WH-LED	12	White	180-240	4000	715	>0.9	162-166	170/24	4670004 71792 9	80	30000
NLP-R1-12W-R170-860-WH-LED	12	White	180-240	6000	750	>0.9	162-166	170/24	4670004 71793 6	80	30000
NLP-R1-18W-R220-830-WH-LED	18	White	180-240	3000	1200	>0.9	212-216	220/24	4670004 71797 4	80	30000
NLP-R1-18W-R220-840-WH-LED	18	White	180-240	4000	1275	>0.9	212-216	220/24	4670004 71761 5	80	30000
NLP-R1-18W-R220-860-WH-LED	18	White	180-240	6000	1350	>0.9	212-216	220/24	4670004 71798 1	80	30000
NLP-R1-24W-R300-840-WH-LED	24	White	180-240	4000	1675	>0.9	281-288	300/24	4670004 71382 2	80	30000

Navigator LED slim downlights (NLP-S Series)

Features:

- reliable and effective replacement for traditional downlights
- reaches full brightness instantly
- ultra slim body – 13 mm thick
- high color rendering index
- special diffuser for uniform diffusion of light

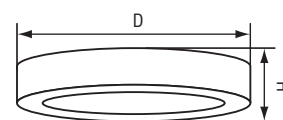


Reference	Wattage, W	Color	Voltage, V	Color temp., K	Luminous flux, lm	Power factor, cos φ	 mm	D/H, mm	Barcode (code of reference in bold)	CRI	Lifetime, H
NLP-S1-7W-830-WH-LED	7	White	180-240	3000	350	>0.7	110/110	120/120	4670004 71801 8	80	30 000
NLP-S1-7W-840-WH-LED	7	White	180-240	4000	375	>0.7	110/110	120/120	4607136 94454 1	80	30 000
NLP-S1-7W-860-WH-LED	7	White	180-240	6000	400	>0.7	110/110	120/120	4670004 71802 5	80	30 000
NLP-S1-12W-830-WH-LED	12	White	180-240	3000	680	>0.9	162/162	170/170	4670004 71805 6	80	30 000
NLP-S1-12W-840-WH-LED	12	White	180-240	4000	715	>0.9	162/162	170/170	4670004 71833 9	80	30 000
NLP-S1-12W-860-WH-LED	12	White	180-240	6000	750	>0.9	162/162	170/170	4670004 71806 3	80	30 000
NLP-S1-18W-830-WH-LED	18	White	180-240	3000	1200	>0.9	213/213	220/220	4670004 71809 4	80	30 000
NLP-S1-18W-840-WH-LED	18	White	180-240	4000	1275	>0.9	213/213	220/220	4607136 94458 9	80	30 000
NLP-S1-18W-860-WH-LED	18	White	180-240	6000	1350	>0.9	213/213	220/220	4670004 71810 0	80	30 000

Navigator LED panels (NLP-RW Series)

Features:

- reliable and efficient replacement for traditional luminaries
- reaches full brightness instantly
- wall and ceiling mounting
- high color rendering index
- special diffuser for uniform diffusion of light

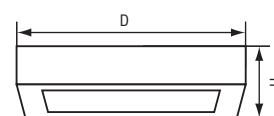


Reference	Wattage, W	Color	Voltage, V	Color temp., K	Luminous flux, lm	Power factor, cos φ	D/H, mm	Barcode (code of reference in bold)	CRI	Lifetime, H
NLP-RW1-7W-R120-840-WH-LED	7	White	90-260	4000	420	>0.8	120/40	4670004 71392 1	80	40 000
NLP-RW1-12W-R172-840-WH-LED	12	White	90-260	4000	750	>0.9	172/40	4670004 71393 8	80	40 000
NLP-RW1-18W-R225-840-WH-LED	18	White	90-260	4000	1250	>0.9	225/40	4670004 71394 5	80	40 000

Navigator LED panels (NLP-SW Series)

Features:

- reliable and efficient replacement for traditional luminaries
- reaches full brightness instantly
- wall and ceiling mounting
- high color rendering index
- special diffuser for uniform diffusion of light

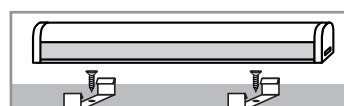
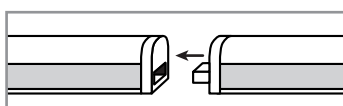
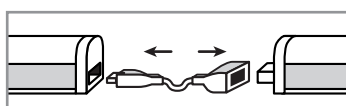
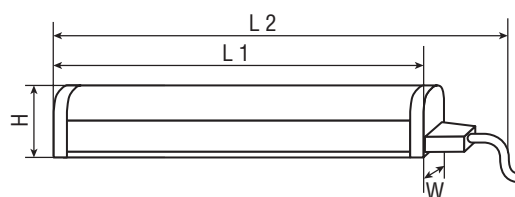


Reference	Wattage, W	Color	Voltage, V	Color temp., K	Luminous flux, lm	Power factor, cos φ	D/H, mm	Barcode (code of reference in bold)	CRI	Lifetime, H
NLP-SW1-7W-840-WH-LED	7	White	90–260	4000	450	>0.8	120/40	4670004 71396 9	80	40 000
NLP-SW1-12W-840-WH-LED	12	White	90–260	4000	800	>0.9	172/40	4670004 71397 6	80	40 000
NLP-SW1-18W-840-WH-LED	18	White	90–260	4000	1250	>0.9	225/40	4670004 71398 3	80	40 000

Navigator LED cabinet lighting (NEL Series)

Features:

- reliable and effective replacement of T5 and T8 fixtures
- reaches full brightness instantly
- special frosted cover for glare reducing
- high color rendering index
- IP33

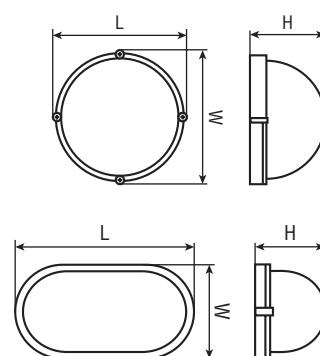


Reference	Wattage, W	Voltage, V	Color temp., K	Luminous flux, lm	Power factor, cos φ	Length L1, mm	Length L2, mm	Width W, mm	Height H, mm	Barcode (code of reference in bold)	CRI	Lifetime, H
NEL-P-5-4K-LED	5	176-264	4000	390	>0.8	385	435	22	30	4607136 94589 0	80	30 000
NEL-P-7-4K-LED	7	176-264	4000	546	>0.9	535	585	22	30	4607136 94590 6	80	30 000
NEL-P-11-4K-LED	11	176-264	4000	858	>0.9	835	885	22	30	4607136 94591 3	80	30 000
NEL-P-14-4K-LED	14	176-264	4000	1092	>0.9	1135	1185	22	30	4607136 94592 0	80	30 000

Navigator LED bulkhead fixtures (NBL Series)

Features:

- reliable and effective replacement of traditional lighting fixtures
- available in different shapes and two colors
- reaches full brightness instantly
- effective heat dissipation solution
- opal high-strength polycarbonate diffuser
- shock-proof body
- available with built-in microwave motion sensor
- IP65
- high color rendering index



NBL-PR1-WH



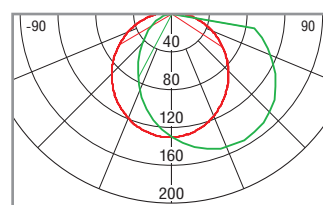
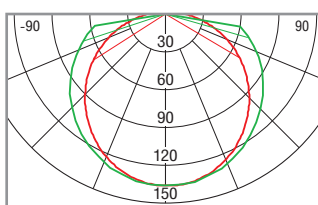
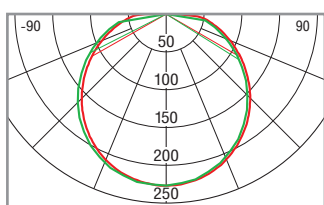
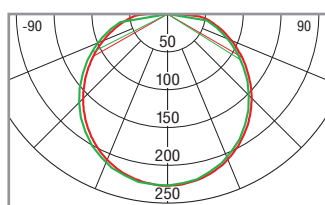
NBL-PR1-BL



NBL-P01



NBL-P03

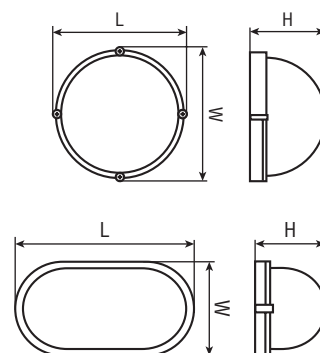


Reference	Wattage, W	Color	Voltage, V	Color temp., K	Luminous flux, lm	Power factor, cos φ	Dimensions L/W/H, mm	Barcode (code of reference in bold)	CRI	Lifetime, H
NBL-P01-7-4K-WH-IP65-LED	7	White	165–265	4000	510	>0.8	208/120/74	4607136 94822 8	75	30 000
NBL-P03-7-4K-WH-IP65-LED	7	White	165–265	4000	440	>0.8	208/120/75	4607136 94823 5	75	30 000
NBL-P01-7-4K-BL-IP65-LED	7	Black	165–265	4000	510	>0.8	208/120/74	4607136 94824 2	75	30 000
NBL-P03-7-4K-BL-IP65-LED	7	Black	165–265	4000	440	>0.8	208/120/75	4607136 94825 9	75	30 000
NBL-PR1-12-4K-WH-IP65-LED	12	White	165–265	4000	870	>0.8	235/235/94	4607136 94839 6	75	30 000
NBL-PR1-12-4K-BL-IP65-LED	12	Black	165–265	4000	870	>0.8	235/235/94	4607136 94841 9	75	30 000
NBL-PR1-12-4K-WH-SNR-LED	12	White	165–265	4000	870	>0.8	235/235/94	4607136 94843 3	75	30 000

Navigator LED bulkhead fixtures (NBL Series)

Features:

- reliable and effective replacement of traditional lighting fixtures
- available in different shapes
- reaches full brightness instantly
- effective heat dissipation solution
- opal high-strength polycarbonate diffuser
- shock-proof body
- IP65/IP20
- high color rendering index



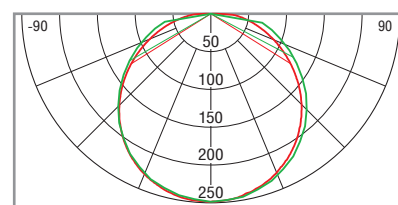
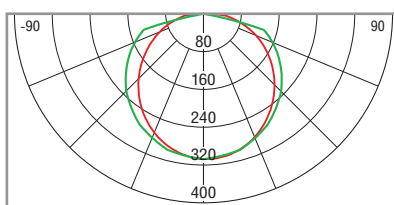
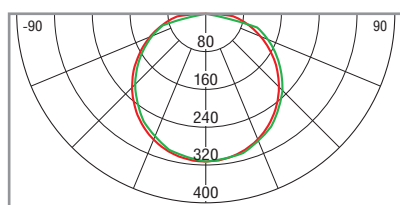
NBL-R1



NBL-O1



NBL-R1

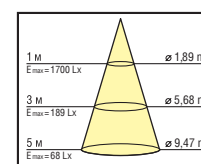
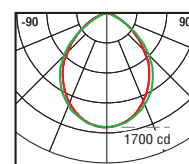
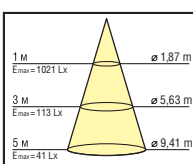
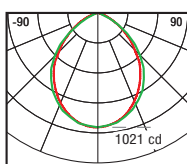
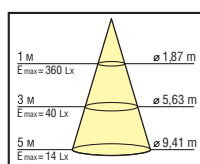
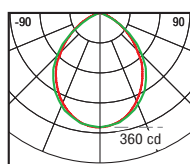
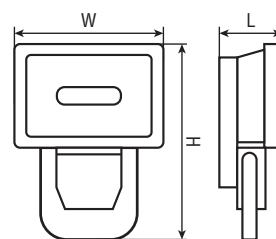


Reference	Wattage, W	Color	Voltage, V	Color temp., K	Luminous flux, lm	Power factor, cos φ	Dimensions L/W/H, mm	Barcode (code of reference in bold)	CRI	Lifetime, H
NBL-O1-8-4K-WH-IP65-LED	8	White	150–250	4000	600	>0.7	175/110/76	4607136 94828 0	80	40 000
NBL-R1-12-4K-WH-IP65-LED	12	White	150–250	4000	950	>0.7	175/175/75	4607136 94826 6	80	40 000
NBL-R1-6-4K-IP20-LED	6	White	170–260	4000	450	>0.7	210/210/75	4607136 94776 4	75	40 000
NBL-R1-12-4K-IP20-LED	12	White	170–260	4000	900	>0.7	260/260/90	4607136 94777 1	75	40 000

Navigator LED floodlights (NFL-M Series)

Features:

- reliable and effective replacement of traditional floodlights
- reaches full brightness instantly
- effective heat dissipation solution
- special opal diffuser for glare reducing
- beam angle 70 degrees
- shock-proof body
- IP65

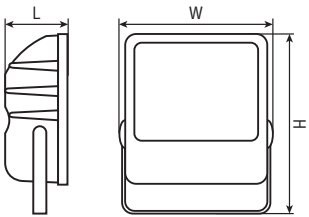


Reference	Wattage, W	Voltage, V	Color temp., K	Luminous flux, lm	Power factor, cos φ	Length, mm	Width, mm	Height, mm	Barcode (code of reference in bold)	CRI	Lifetime, H
NFL-M-10-4K-IP65-LED	10	165–265	4000	600	>0.8	47	120	134	4670004 71312 9	75	30 000
NFL-M-10-6K-IP65-LED	10	165–265	6000	650	>0.8	47	120	134	4670004 71313 6	75	30 000
NFL-M-30-4K-IP65-LED	30	165–265	4000	1750	>0.9	55	176	197	4670004 71316 7	75	30 000
NFL-M-30-6K-IP65-LED	30	165–265	6000	1800	>0.9	55	176	197	4670004 71317 4	75	30 000
NFL-M-50-4K-IP65-LED	50	165–265	4000	3000	>0.9	60	216	230	4670004 71318 1	75	30 000
NFL-M-50-6K-IP65-LED	50	165–265	6000	3500	>0.9	60	216	230	4670004 71319 8	75	30 000
NFL-M-10-4K-SNR-LED	10	165–265	4000	600	>0.8	47	120	216	4670004 71320 4	75	30 000
NFL-M-30-4K-SNR-LED	30	165–265	4000	1750	>0.9	55	176	219	4670004 71321 1	75	30 000

Navigator LED floodlights (NFL Series)

Features:

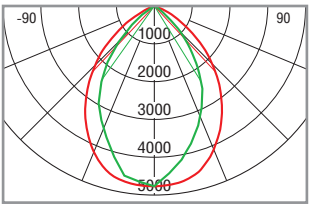
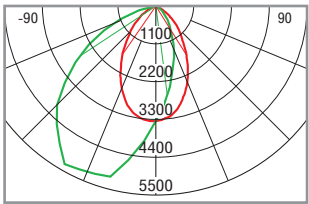
- reliable and effective replacement of traditional floodlights
- reaches full brightness instantly
- effective heat dissipation solution
- symmetric, asymmetric and round symmetric light distribution solutions
- special opal diffuser for glare reducing
- beam angle 70 degrees
- shock-proof body
- IP65



Pic. 1



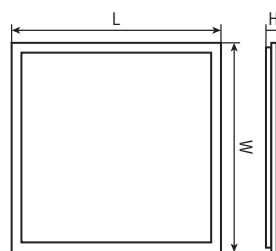
Pic. 2



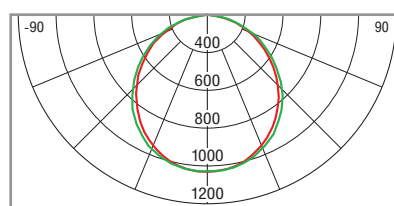
Reference	Wattage, W	Voltage, V	Color temp., K	Luminous flux, lm	Power factor, cos φ	Length, mm	Width, mm	Height, mm	Barcode (code of reference in bold)	CRI	Lifetime, H	Pic, No
NFL-AM-100-5K-GR-IP65-LED	100	165–265	5000	7400	>0.95	95	258	296	4607136 94748 1	75	40 000	1
NFL-SM-100-5K-GR-IP65-LED	100	165–265	5000	7400	>0.95	95	258	296	4607136 94749 8	75	40 000	2

Features:

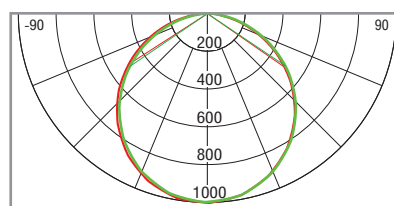
- reliable and effective replacement of traditional lighting fixtures
- reaches full brightness instantly
- can be installed in different ways
- special frosted cover for glare reducing
- high color rendering index



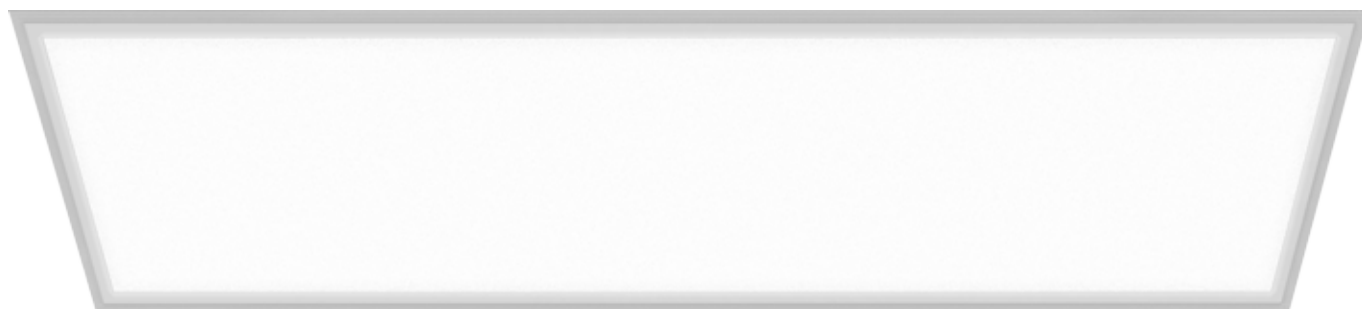
Pic. 1



Light distribution 1



Light distribution 2



Pic. 2

Reference	Wattage, W	Voltage, V	Color temp., K	Luminous flux, lm	Power factor, cos φ	Length, mm	Width, mm	Height, mm	Barcode (code of reference in bold)	CRI	Lifetime, H	Fig. No	Light distribution
NLP-S1-40-4K	40	180–250	4000	2800	>0.95	596	596	11	4670004 71741 7	80	40 000	1	1
NLP-S1-40-6K	40	180–250	6000	3000	>0.95	596	596	11	4670004 71742 4	80	40 000	1	1
NLP-R1-40-4K	40	180–250	4000	2800	>0.95	296	1196	11	4670004 71842 1	80	40 000	2	2
NLP-R1-40-6K	40	180–250	6000	3000	>0.95	296	1196	11	4670004 71843 8	80	40 000	2	2

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