

neo Profile

Neo Profile Wide is a further development on the very popular spotlight Neo Profile.

A completely new lens system allows for wider beam angles up to 45°. Suitable for illuminating bigger objects and on shorter distances.

- 20–45° variable beam angle.
- Built-in beam shaping shutters.
- The ability to project gobo patterns.
- Installation on 3-phase track.



WHAT'S GOOD?

LIGHTING

- Flicker free soft dimming all the way from 0 %
- High Power LED-module 1900 lumen (3000K)
- Color stability CRI 95+ Mac Adam <2 (3000K)

APPEARANCE

- Discreet and functional form
- Real small size, fits anywhere
- Passive cooling
- Low weight

EASE OF USE, GOOD CONTROL

- Integrated filter holder enables color temperature shifting and diffusion
- Mounting in every direction, both horizontal and vertical
- Pan and tilt movements are fully lockable without tools

FUTURE PROOF

- Possibility to change LED-module and upgrade driver firmware
- Can be completely disassembled into components for remanufacturing or recycling



COUNTRY OF ORIGIN

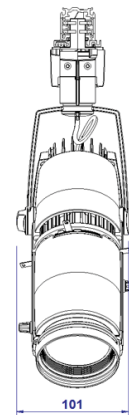
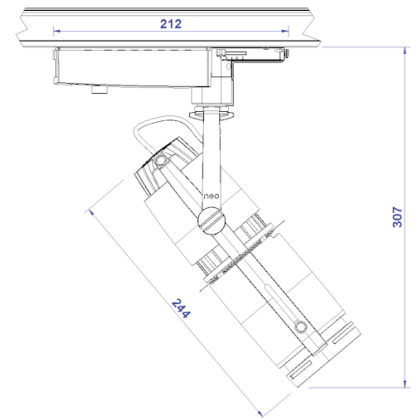
Neo is designed, developed and made in Sweden.



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TECHNICAL SPECIFICATION

Material:	Lamp housing of die-cast magnesium. Adapter housing of dyed PBT and polycarbonate. Handles and yoke lock of thermoplastics (Hytrel). Lenses of antireflection coated optical glass.
Finish:	Powder coated Grey (RAL 9006) Black (RAL 9005) White (RAL 9016)
System:	3-phase circuit track (eg. Global Trac, Erco, Zumtobel, iGuzzini, Eutrac and Hoffmeister). DMX with wireless LumenRadio CRMX.
Installation:	Track mounting
Protection class:	IP20
Operating voltage:	100–240V~ 50/60Hz
Light source:	High power LED 1900 lm (3000K)
Total power:	27 W
Beam angle:	Continuous adjustable 20–45°
Luminous efficacy:	32 lm / W (at 20° beam angle) 42 lm / W (at 45° beam angle)
CRI:	95+ (3000K only)
Color temperature:	2700K / 3000 K / 4000K
Color deviation:	MacAdam 2-step ellipse (SDCM <2) (3000K)
Rated life:	L80 > 36 000h according to TM21 /LM80 (Ta 25°) Estimated lumen maintenance at 50 000h is equal to 81,54%
LED failure rate:	0,1% 50 000h
Driver:	Analog version for 3-phase track Wireless DMX for 3-phase track Driver is enclosed in the adapter. Local dimming control on all versions.
Weight:	1.05 kg
Measurements:	307x212x101 mm (LxWxD)
Swivels:	>365°
Tilts:	>90°
Dimming:	0–100%.
Features:	Filter holder, phase selector, lockable pan/tilt
Accessories:	Gobo holder, gobo E-size patterns, filters



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RANGE

NEO PROFILE WIDE ANALOG

Analog version with local dimming control for regular 3 phase track.

<input type="checkbox"/>	Neo Profile Wide 2700K Grey	NEO27B-PW-1	20–45°, 2700K, CRI 90+, 27W
<input checked="" type="checkbox"/>	Neo Profile Wide 2700K Black	NEO27B-PW-2	20–45°, 2700K, CRI 90+, 27W
<input type="checkbox"/>	Neo Profile Wide 2700K White	NEO27B-PW-3	20–45°, 2700K, CRI 90+, 27W
<input checked="" type="checkbox"/>	Neo Profile Wide 3000K Grey	NEO30B-PW-1	20–45°, 3000K, CRI 95+, 27W
<input checked="" type="checkbox"/>	Neo Profile Wide 3000K Black	NEO30B-PW-2	20–45°, 3000K, CRI 95+, 27W
<input type="checkbox"/>	Neo Profile Wide 3000K White	NEO30B-PW-3	20–45°, 3000K, CRI 95+, 27W
<input checked="" type="checkbox"/>	Neo Profile Wide 4000K Grey	NEO40B-PW-1	20–45°, 4000K, CRI 90+, 27W
<input checked="" type="checkbox"/>	Neo Profile Wide 4000K Black	NEO40B-PW-2	20–45°, 4000K, CRI 90+, 27W
<input type="checkbox"/>	Neo Profile Wide 4000K White	NEO40B-PW-3	20–45°, 4000K, CRI 90+, 27W

NEO PROFILE WIDE DMX

DMX control version with Lumen Radio CRMX for regular 3 phase track.

<input checked="" type="checkbox"/>	Neo Profile Wide DMX 2700K Grey	NEO27BXC-PW-1	20–45°, 2700K, CRI 90+, 27W
<input checked="" type="checkbox"/>	Neo Profile Wide DMX 2700K Black	NEO27BXC-PW-2	20–45°, 2700K, CRI 90+, 27W
<input type="checkbox"/>	Neo Profile Wide DMX 2700K White	NEO27BXC-PW-3	20–45°, 2700K, CRI 90+, 27W
<input checked="" type="checkbox"/>	Neo Profile Wide DMX 3000K Grey	NEO30BXC-PW-1	20–45°, 3000K, CRI 95+, 27W
<input checked="" type="checkbox"/>	Neo Profile Wide DMX 3000K Black	NEO30BXC-PW-2	20–45°, 3000K, CRI 95+, 27W
<input type="checkbox"/>	Neo Profile Wide DMX 3000K White	NEO30BXC-PW-3	20–45°, 3000K, CRI 95+, 27W
<input checked="" type="checkbox"/>	Neo Profile Wide DMX 4000K Grey	NEO40BXC-PW-1	20–45°, 4000K, CRI 90+, 27W
<input checked="" type="checkbox"/>	Neo Profile Wide DMX 4000K Black	NEO40BXC-PW-2	20–45°, 4000K, CRI 90+, 27W
<input type="checkbox"/>	Neo Profile Wide DMX 4000K White	NEO40BXC-PW-3	20–45°, 4000K, CRI 90+, 27W

NEO PROFILE WIDE SOLO

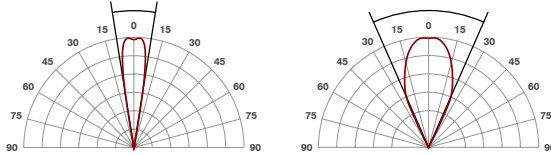
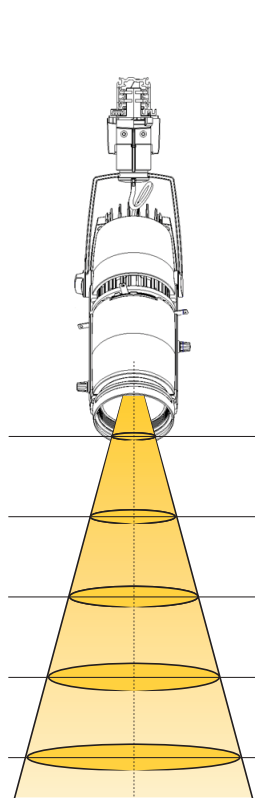
For custom projects. Supplied with 1 meter cable. Driver sold separately.



<input checked="" type="checkbox"/>	Neo Profile Wide Solo 2700K Grey	NEO27B-PWS-1	20–45°, 2700K, CRI 90+, Max 700 mA
<input checked="" type="checkbox"/>	Neo Profile Wide Solo 2700K Black	NEO27B-PWS-2	20–45°, 2700K, CRI 90+, Max 700 mA
<input type="checkbox"/>	Neo Profile Wide Solo 2700K White	NEO27B-PWS-3	20–45°, 2700K, CRI 90+, Max 700 mA
<input checked="" type="checkbox"/>	Neo Profile Wide Solo 3000K Grey	NEO30B-PWS-1	20–45°, 3000K, CRI 95+, Max 700 mA
<input checked="" type="checkbox"/>	Neo Profile Wide Solo 3000K Black	NEO30B-PWS-2	20–45°, 3000K, CRI 95+, Max 700 mA
<input type="checkbox"/>	Neo Profile Wide Solo 3000K White	NEO30B-PWS-3	20–45°, 3000K, CRI 95+, Max 700 mA
<input checked="" type="checkbox"/>	Neo Profile Wide Solo 4000K Grey	NEO40B-PWS-1	20–45°, 4000K, CRI 90+, Max 700 mA
<input checked="" type="checkbox"/>	Neo Profile Wide Solo 4000K Black	NEO40B-PWS-2	20–45°, 4000K, CRI 90+, Max 700 mA
<input type="checkbox"/>	Neo Profile Wide Solo 4000K White	NEO40B-PWS-3	20–45°, 4000K, CRI 90+, Max 700 mA



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LIGHT DATA CALCULATIONS FOR NEO PROFILE WIDE



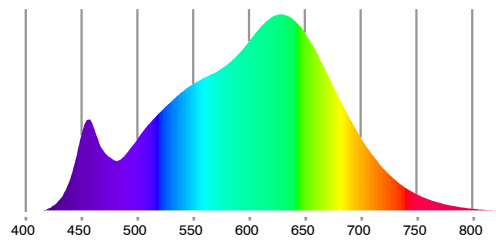
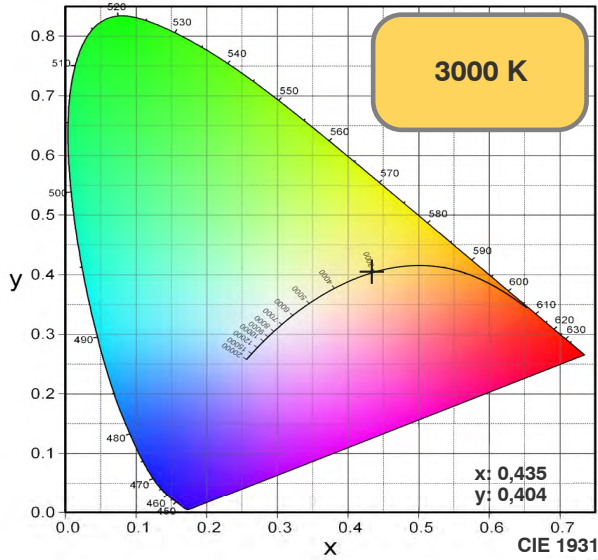
		Narrowest Beam angle 20°		Widest Beam angle 45°	
		Lens setting 		Lens setting 	
m	∅	lux	∅	lux	
1	0,32	11228	1,01	2388	
2	0,64	2807	2,02	597	
3	0,96	1248	3,03	265	
4	1,28	702	4,04	149	
5	1,60	449	5,05	96	
		Output	853 lm	Output	1136 lm
		Light eff	32 lm/w	Light eff	42 lm/w
		LOR [%]	40 %	LOR [%]	59 %

Lux measured at center of beam.

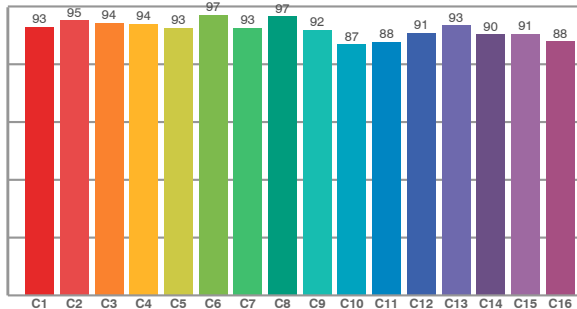


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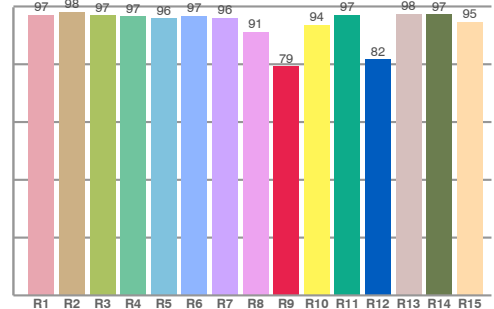
COLORMETRICS



TM30: 92,3



CRI: 96,1 (R1-R8)



CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
97,06	98,12	96,90	96,59	95,95	96,81	90,06	91,13	79,23	93,54	97,00	81,65	97,52	97,31	94,72

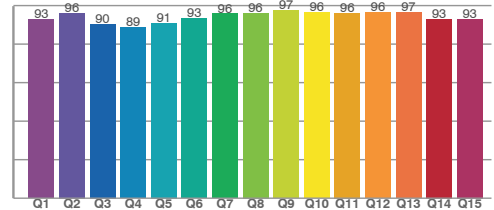
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
92,99	95,23	94,37	93,98	92,66	97,14	92,64	96,61	91,90	86,94	87,82	90,90	93,49	90,36	90,59	87,84

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92,79	98,15	90,43	88,64	90,98	93,44	95,79	96,21	97,48	96,45	96,10	96,43	96,50	93,09	93,08

CQS: 93,5



Color parameters

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Duv
3041 K	96,1	79,2	92,3	99,1	93,5	0,4	0,4	0,2	0,3	0,0004

