






NOVUS Attenzia space active HCL BT



- Smart designed free-standing LED luminaire with unique, rotatable light panels for individually adjustable direct and indirect light options, and a practical multipurpose sensor for automatic operation.
- Easily configure all light settings via Bluetooth from your smartphone with the Lumobi app. The app is available free of charge from your phone's app store.
- Human-centric lighting – biodynamic lighting that complements the natural rhythm of daylight. The natural lighting is complemented perfectly by intelligent light technology, which varies the illuminance and colour temperature over the course of the day based on the natural sunlight.
- High luminaire luminous flux of 10,600 lm for perfect lighting conditions
- Extremely energy efficient at luminaire efficiency with 114 lm/W
- Excellent colour recognition with a high colour rendering index of 84 (>80)
- Adjustable light colour of "Tunable White" ranging from a warm white (colour temperature of 2700 K) to a cold white (colour temperature of 6500 K)
- Easy automatic operation thanks to presence and light detection via the multisensor
- Weighted energy consumption 93 kWh/1000 h
- Dimensions: W 394 mm, H 1962 mm, D 709 mm
- High-quality aluminium finish with anodised and galvanised surfaces (silver) and premium-quality painted surfaces in black and white
- Kettle plug with a cable length of 2 m
- This product contains a light source rated energy efficiency class D (range A to G)

Colours	 black	 silver	 white
Version	 2500–6500 K	 2500–6500 K	 2500–6500 K
Art.No.	740+6198+001	740+6199+001	740+6191+001
EAN Code	4009729077573	4009729077580	4009729077566
Luminaire luminous flux	10,600 lm	10,600 lm	10,600 lm
Colour rendering index	84	84	84
Energy consumption	93 kWh / 1,000 h	93 kWh / 1,000 h	93 kWh / 1,000 h



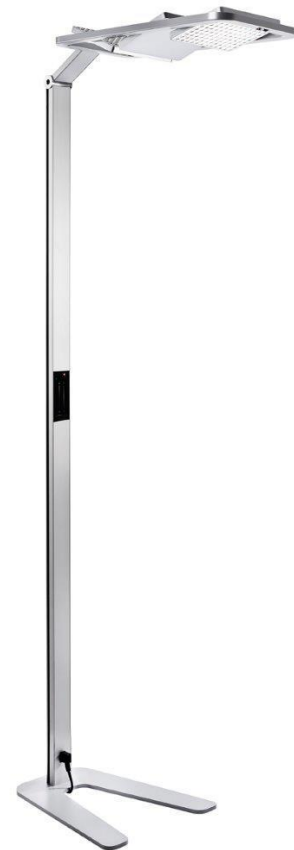
230-0281 product-specification



luminaire name: NOVUS Attenzia space active HCL
 article number: 740+619*+000*
 *US versions carry different article#

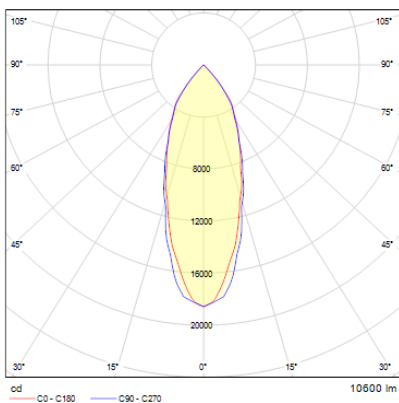
parameters:

luminaire luminous flux	10.600 lm
luminaire light efficiency	114 lm/W
colour rendering	R _{a8} 84 / R _a > 80
collorated colour temperature	2.700 K - 6.500 K
colour tolerance	3 SDCM
lamp type	3 module with 240 LEDs
LED-Chip	Osram Duris E3
housing at the luminaire head	aluminium die casting
glare-free	reflector
UGR value	< 19
connected loads	100-240 V, 50-60 Hz
connection line	ca. 2 m, euro plug (US version different)
safety class system	I
safty class	IP 20
system power	93 W
weighted energy consumption	93 kWh/1.000h
operating element	Touchpanel
life time LED	L70B50 50.000h
photobiological safety	risk group 1
safety certification	ENEC

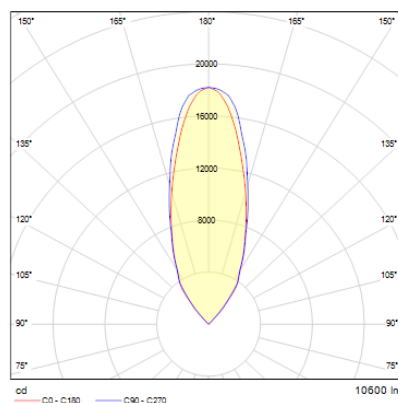


light distribution:

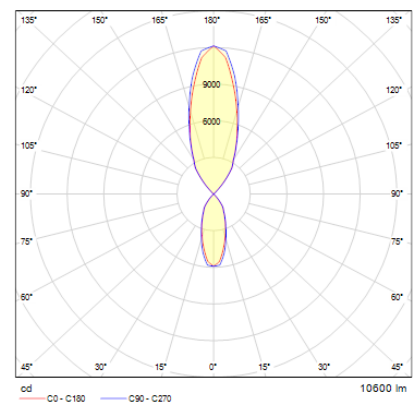
3 panels directly beaming



3 panels indirectly beaming



1 panel direct / 2 indirect



Abstand [m]	Kegelradius [m]	Beleuchtungsstärke [lx]
0.5	0.55 0.53	E(180°) 74291 E(C90) 19.1° 31411 E(C0) 18.3° 31882
1.0	0.69 0.66	E(180°) 18770 E(C90) 19.1° 7553 E(C0) 18.3° 7971
1.5	1.04 0.99	E(180°) 8293 E(C90) 19.1° 3490 E(C0) 18.3° 3842
2.0	1.39 1.32	E(180°) 4848 E(C90) 19.1° 1983 E(C0) 18.3° 1993
2.5	1.73 1.65	E(180°) 2971 E(C90) 19.1° 1268 E(C0) 18.3° 1278
3.0	2.08 1.99	E(180°) 2083 E(C90) 19.1° 873 E(C0) 18.3° 888

Abstand [m] Kegelradius [m] Beleuchtungsstärke [lx]
 — C0 - C180 (Halbstrahlwinkel: 36.6°)
 — C90 - C270 (Halbstrahlwinkel: 38.2°)

Abstand [m]	Kegelradius [m]	Beleuchtungsstärke [lx]
3.0	2.09 2.01	E(180°) 2021 E(C90) 180.8° 860 E(C0) 181.8° 868
2.5	1.74 1.67	E(180°) 2911 E(C90) 180.8° 1238 E(C0) 181.8° 1248
2.0	1.39 1.34	E(180°) 4548 E(C90) 180.8° 1938 E(C0) 181.8° 1948
1.5	1.04 1.00	E(180°) 8088 E(C90) 180.8° 3498 E(C0) 181.8° 3488
1.0	0.70 0.67	E(180°) 18198 E(C90) 180.8° 7738 E(C0) 181.8° 7798
0.5	0.35 0.32	E(180°) 72771 E(C90) 180.8° 20984 E(C0) 181.8° 21191

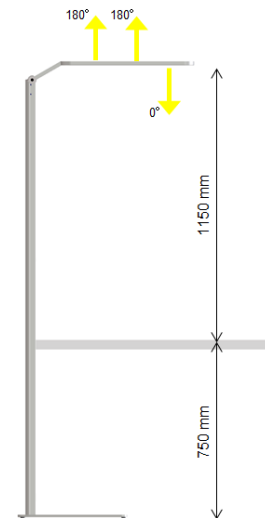
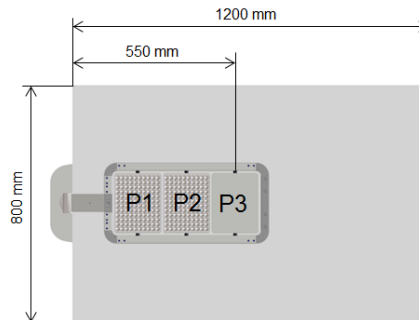
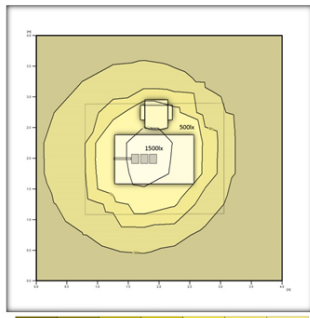
Abstand [m] Kegelradius [m] Beleuchtungsstärke [lx]
 — C0 - C180 (Halbstrahlwinkel: 37.0°)
 — C90 - C270 (Halbstrahlwinkel: 38.4°)

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Illuminance according to 2.700 K:

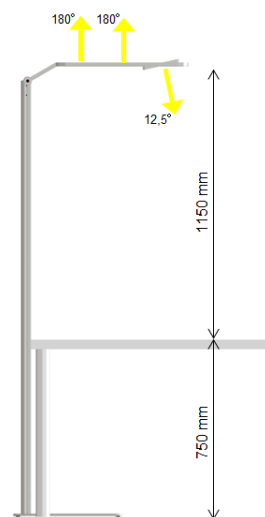
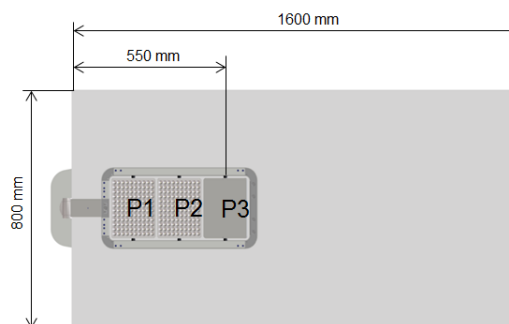
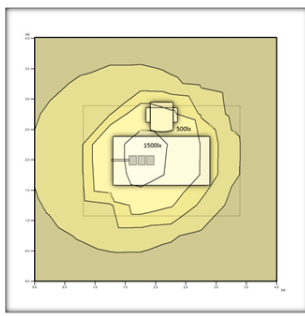
Illuminance according to DIN 5035-8: reference surface (rs 1200x800mm)

- average illuminance $E_{av} = 1.820 \text{ lx}$
- minimum illuminance $E_{min} = 739 \text{ lx}$
- maximum illuminance $E_{max} = 3.570 \text{ lx}$
- uniformity g2 0,21
- uniformity g3 0,41



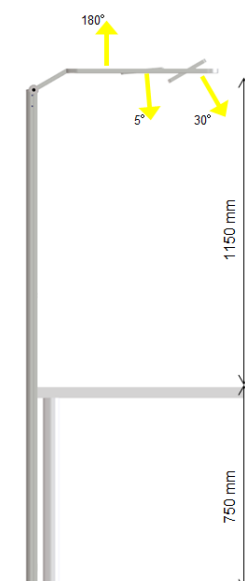
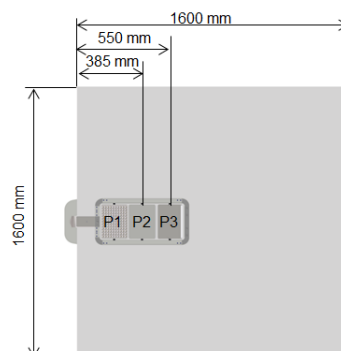
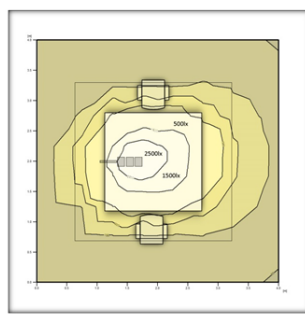
Illuminance according single workstation: rs 1600x800mm

- average illuminance $E_{av} = 1.490 \text{ lx}$
- minimum illuminance $E_{min} = 504 \text{ lx}$
- maximum illuminance $E_{max} = 3.390 \text{ lx}$
- uniformity g2 0,15
- uniformity g3 0,51



Illuminance according double workstation: rs 1600x1600mm

- average illuminance $E_{av} = 1.660 \text{ lx}$
- minimum illuminance $E_{min} = 421 \text{ lx}$
- maximum illuminance $E_{max} = 4.240 \text{ lx}$
- uniformity g2 0,10
- uniformity g3 0,58

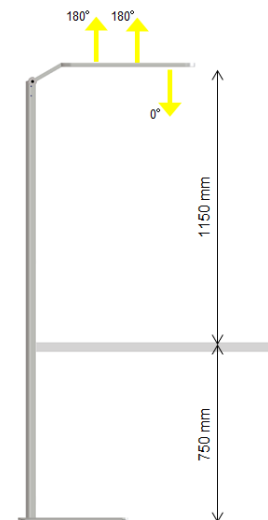
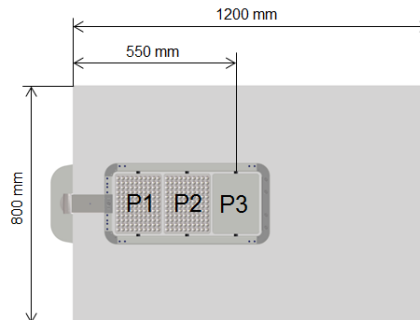
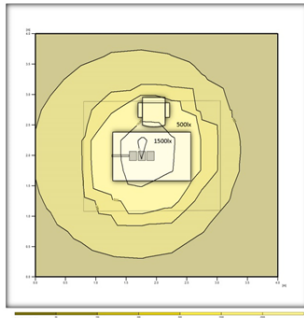


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Illuminance according to 6.500 K:

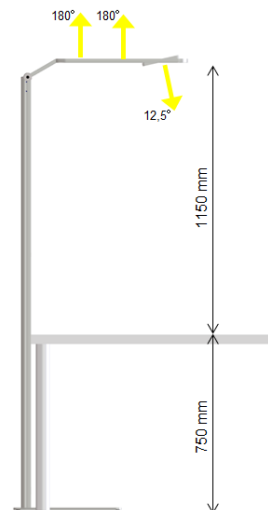
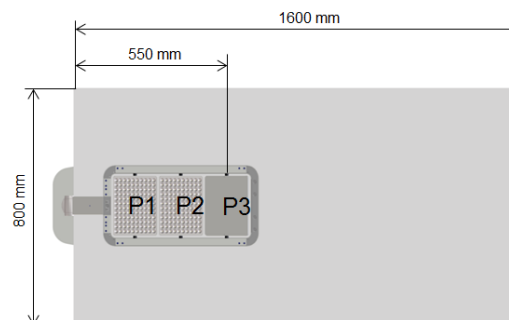
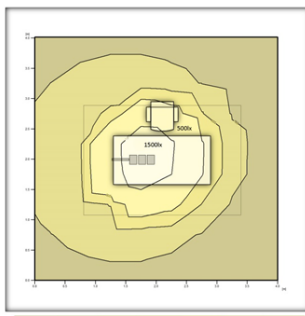
Illuminance according to DIN 5035-8: reference surface (rs 1200x800mm)

- average illuminance $E_{av} = 2.050 \text{ lx}$
- minimum illuminance $E_{min} = 828 \text{ lx}$
- maximum illuminance $E_{max} = 4.060 \text{ lx}$
- uniformity g2 0,20
- uniformity g3 0,41



Illuminance according single workstation: rs 1600x800mm

- average illuminance $E_{av} = 1.690 \text{ lx}$
- minimum illuminance $E_{min} = 564 \text{ lx}$
- maximum illuminance $E_{max} = 3.810 \text{ lx}$
- uniformity g2 0,15
- uniformity g3 0,51



Illuminance according double workstation: rs 1600x1600mm

- average illuminance $E_{av} = 1.870 \text{ lx}$
- minimum illuminance $E_{min} = 476 \text{ lx}$
- maximum illuminance $E_{max} = 4.760 \text{ lx}$
- uniformity g2 0,10
- uniformity g3 0,58

