

XOOMINAIRE™ ONYX

NanoRay

LED LINEAR™ TECHNOLOGY



Standard Solutions | XOOMINAIRE™ ONYX

Custom Solutions

Technical & Service Appendix







XOOMINAIRE™ ONYX

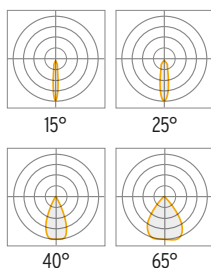
Technical information

Dimensions:	42 mm / 1.65" wide, 62 mm / 2.44" high
Lengths (approx):	940 mm / 37.01", 1,407 mm / 55.39", 1,874 mm / 73.78"
Material:	Anodized aluminum (RAL 9006 is standard)
Lumen power levels (approx):	2,360 lm/m / 700 lm/ft
Color temperatures:	2,700 K, 3,000 K, 3,500 K, 4,000 K (other on request) Dynamic light colors IQ White and RGB on request
Color rendering index:	CRI > 95
Lifetime:	L80/~60.000 hrs, please see page 91
Light control:	on/off, DALI
IP-rating:	IP40
Protection class:	⊕

Nano lenses optics

▶ 15°, 25°, 40° or 65° beam angle with glare control

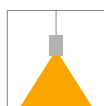
- Nano lenses array in combination with collimators for an optimal light beam shaping
- Minimal glare thanks to anti-glare cover (UGR < 13)



NanoRay

LED LINEAR™ TECHNOLOGY

Pendant / Surface-mounted

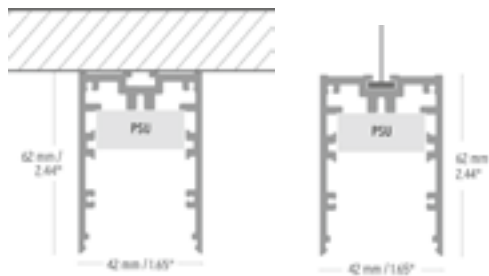


Pendant



Surface-mounted

Design LED luminaire in IP40 for task or general lighting with integrated PSU and controller. Robust 42 mm x 62 mm (1.65" x 2.44") cross section housing made from extruded and anodized aluminum profile and magnetic aluminum end caps available in silver, black or white (white powder coated) color as recessed, surface-mounted or pendant version. Stand-Alone luminaires are delivered with 2 m (6.56') transparent 3 or 5 wires cable (on/off or DALI) open end cable feeded on one-side. Easy continuous row installation and cabling thanks to pre-installed terminal blocs. Nano lenses optics in combination with reflectors and anti-glare cover for an excellent distribution and glare control (UGR as low as 13). Light source assembled using state of the art automated Reel to Reel (R2R) production process supporting LED Linear™ Tj Away® thin flexible circuit board technology. In combination with CSP LED packages a thermal resistivity of 5.33 K/W is achieved for an optimal heat dissipation (junction to profile) which guarantees an outstanding lifetime of > 60,000 hrs L80/B10. Embeds high quality CSP LEDs with 3 step MacAdams (SDCM3) binning centered on target CCT (One Bin Only) ensuring an exceptional color consistency over the rated lifetime. Premium color rendition with a CRI of > 95 ensuring a remarkable light quality. Protected against electrostatic discharge +/- 2,000 V and polarity miswiring. Fully flicker-free dimmable with constant current reduction (CCR) in combination with PWM. Engineered and produced in Germany.



Blind	MARS	Blind	MARS	Blind
106.5 mm	250 mm	217 mm	250 mm	106.5 mm

Total length 940 mm / 37.01" | Luminous surface 500 mm / 19.69"

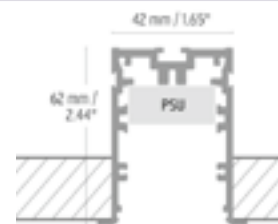
Total length 1,407 mm / 55.39" | Luminous surface 750 mm / 29.53"

Total length 1,874 mm / 73.78" | Luminous surface 1,000 mm / 39.37"

Recessed



Recessed



Blind	MARS	Blind	MARS	Blind
106.5 mm	250 mm	217 mm	250 mm	106.5 mm

Total length 940 mm / 37.01" | Luminous surface 500 mm / 19.69"

Total length 1,407 mm / 55.39" | Luminous surface 750 mm / 29.53"

Total length 1,874 mm / 73.78" | Luminous surface 1,000 mm / 39.37"

Delivered mounting accessories:

The following accessories will be delivered with the luminaires in appropriate quantities.

Pendant luminaires (P)

VarioPendant 4262

2 m (6.56') long pendant set with fastening parts.



Recessed luminaires (R)

VarioClamp Contour 4262R/4262

Mounting clamps for false ceiling with fastening parts.



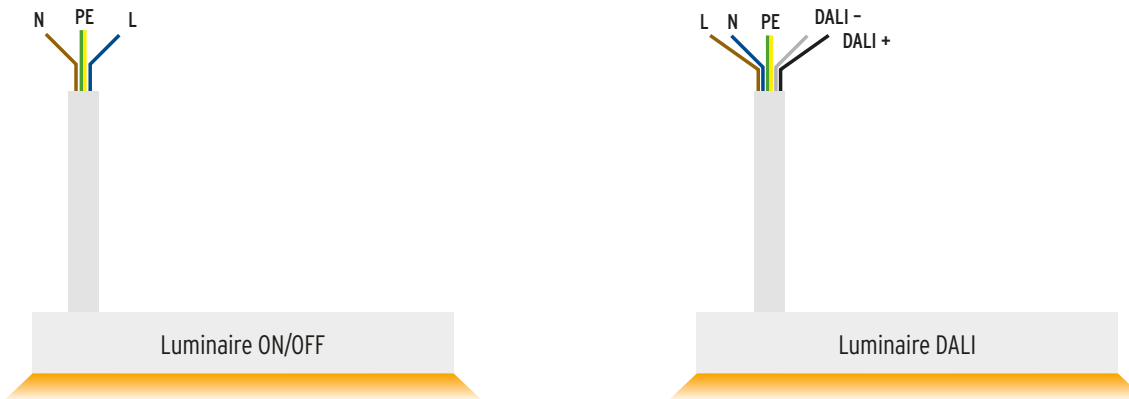
Continuous Row (-CR)

XOOMINAIRE™ Luminaire Connector

Set of 2 mechanical connectors pre-installed on one-end of the fitting.



Cabling



Order matrix

Configure your standard luminaire by completing the order code by the digits not yet defined. →

Protection	Mounting	Profile color	Profile	Optic	W/m / W/ft ^a	lm/m / lm/ft ^b	Light intensity	CCT (K)	Control	Voltage (V)	Length (mm / ft) ^c	Stand-Alone/ Continuous Row					
Indoor	Ceiling	C Silver	S ONYX	15°	1 5	32 / 9.8	2,360 / 700	Super-Output	S 0	2,700	2 7	On/Off	A 230	E 940 / 3.08	0 9 4 0	Stand-Alone	-SA
	Pendant	P Black	B	25°	2 5				3,000	3 0	DALI	C 100 - 277	W 1,407 / 4.62	1 4 0 7	Continuous Row	-CR	
	Recessed	R White	W	40°	4 0				3,500	3 5			1,874 / 6.15	1 8 7 4			
				65°	6 5				4,000	4 0							
I	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→

^a The power consumption refers to the length of the luminous surface under consideration of a 10% loss of the PSU.

^b The performance data refer to the light source standardised to one meter and no power loss of the ballast. Depending on the length and design, the connected wattage increases by the ballast loss, which can range from 7% to 15%. Lumen values according to LED Linear™ Lamp in a thermally steady state operation. The photometrically determined luminous flux can be found by downloading the photometric data (ies / LDT) on our website www.led-linear.com.

^c The lengths listed correspond to Stand-Alone fittings (-SA). Continuous Row (-CR) luminaires are delivered without end caps and therefore have 6 mm shorter lengths. Further information on the content of your standard lighting package, accessory, lifetime as well as the Terms & Conditions and Warranty can be found from page 90 on.