SOLARIS®

URBAN LUX

VERY NARROW

A COMPREHENSIVE RANGE OF PRECISION VERY NARROW OUTDOOR LED LUMINAIRES

ADVANCED COLOURS & WHITES

- Tight, well-defined, narrow <4° beam
- Bright, brilliant colours. Clean, pure whites
- LED engine tuned to allow stunning difficult-to-mix colours such as purple and yellow
- Gamma correction: Output adjusted according to human perception of light and colour
- "Brilliant White" feature: When all four colour channels (RGBW) are raised simultaneously the output automatically adjusts, in a linear fashion, to maintain a clean daylight white
- Various colour and white options in all models: 3K - 6.5K pure whites, "Hybrid" 3.2K - 6.5K adjustable white, RGBW
- Enhanced proprietary optics provide homogenized colour mixing, no fruit salad and no hot spots

RUGGED FORM FACTOR

- Extruded aluminum construction, with all stainless hardware
- Designed to eliminate pooling, keeping unit safe and dry
- Armored cable option available
- Toughened front glass - impact rating IK07
- No fans (Even IP-rated fans will inevitably accumulate dust and debris over time, impairing performance and reducing both output and LED life expectancy)
- Premium silver-grey colour housing. Any custom colour possible by special order
- 5G roadway (bridge) and crane vibration certified option - currently 2x5 with heavy duty yoke option only

ADDITIONAL ENHANCED FEATURES

- Smooth, theatrical dimming curve - 100% all the way to zero
- Full, complete range of accessories and mounts, including rock-guards, half hats, egg-crate louvers, pole, wall, multi-fixture mounts, and many more
- Precision beam-shaping filter options available - either built-in, sealed inside the fixture or as a rigid, pre-cut pans to fit in the diffusion holder accessories

5-Year Limited Warranty

RDM CE C SP US

RELIABLE OPERATION & COST SAVING POWER CONSUMPTION

- On startup, very low maximum inrush current per DoP injector, regardless of number of connected fixtures - from 16A at 100V to 40A at 277V
- Power consumption: 350 Watts per linear meter UrbanLux Very Narrow At steady state output, UrbanColor 2x10 and Very Narrow are: 50 Lumens er Watt (lm/w), 89 lm/w, per meter
- LED Engine thermal protection - maintains steady state output, no dimming as LEDs reach full temperature
- "Set and Forget" option allows simple on/off operation at preset brightness and colour
- DMX control, with full RDM functionality for fixture set-up, addressing and monitoring
- 100 - 277V operation
- Single 5-wire cable carries data and power from DoP Injector for up to 8 (depending on Voltage) parallel-wired Very Narrow fixtures

PROFESSIONAL LISTINGS & CERTIFICATIONS

- cCSAus Listed to UL 1598 5th Edition, UL 8750 2nd Edition 2020, CSA C22.2 No 250.0-21 and CSA C22.2 No. 250.13-20
- CE marked
- 10 year accelerated saltwater environment certified
- High-chlorine environment certified (requires routine hose down maintenance)
- Freeze/Melt/Freeze/Melt certified, in all orientations including vertical focus, to maintain IP-Rating
- Extreme Weather certified from minus 20C to plus 49C (-4 to 122 °F). Tested to 70C (158F)
- Wind/pressure certified to withstand 300 Newtons (Category 5 hurricane is 70m/sec = 100 Newtons)
- 5G roadway (bridge) and crane vibration certified option

Very Narrow Ratings	
Salt spray/Corrosive	Tested and Certified
Cat5 hurricane	Tested and Certified
Freeze	Tested and Certified
Snow melt	Tested and Certified
Vibration for bridge mount	Tested and Certified
Ingress Protection	IP67

FEINER LICHTTECHNIK

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Very Narrow Technical Specs	
Light Sources	CREE XEG
Number of LEDs	40
Number of Individually Controllable Segments “Pixels”	1
Colours	Red, Green, Blue, White
CCT	6500K (White LEDs only)
CRI	>80
Front Lens Material	Scratch-resistant tempered glass, impact rating IK07
Beam Spread	Less than 4° Beam angle
Lumen Output	10,000
Refresh Rate	1,200 Hz
Intensity Control	16 bit
Control	DMX512 with RDM over DoP*
Control Channels	8
Operating Temperature	-22 to +122 °F [-30 to +50 °C]. Repeated freeze/melt tested up to 70 °C
Cooling	Passive
Mains Power	100-277 VAC 50/60 Hz
DoP Cabling	Type SOOW 12/5, 10 ft length, bare end. Armored cable by special order
Nominal Power Consumption	200 W
Idle Power Consumption [120 V, 60 Hz]	9.2 W
Idle Power Consumption [230 V, 50 Hz]	8.6 W
Idle Power Consumption [277 V, 60 Hz]	7.5 W
Max Power Consumption [120 V, 60 Hz]	266 W
Max Power Consumption [230 V, 50 Hz]	259 W
Max Power Consumption [277 V, 60 Hz]	256 W
Power Factor [100 V, 60 Hz]	0.99
Power Factor [230 V, 50 Hz]	0.97
Power Factor [277 V, 60 Hz]	0.92
Housing	Aluminum Extrusion
Housing Colour	Premium Silver-Grey (RAL9006). Custom colours available
Certifications	CE, CSAus
Dimensions [H x L x W] - Weight (fixture body only)	8.39 x 5.91 x 22.34 in 213 x 150 x 568 mm - 12kg

* DoP – Data over Power. Power and DMX/RDM data are combined in one 5-core cable, simplifying installation. Requires external DoP Injector.

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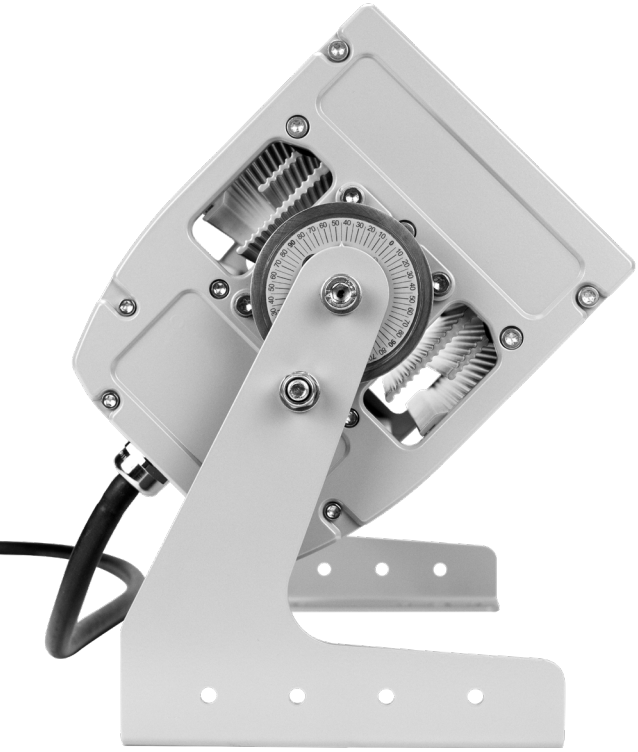

Very Narrow Ordering Codes	
SUNCLRVN	UrbanColor Very Narrow RGBW cCSAus
SUNCLAVN	UrbanColor Very Narrow RGBA cCSAus
SUN30KVN	UrbanWhite 3000K Very Narrow cCSAus
SUN40KVN	UrbanWhite 4000K Very Narrow cCSAus
SUN57KVN	UrbanWhite 5700K Very Narrow cCSAus
SUN65KVN	UrbanWhite 6500K Very Narrow cCSAus
SUNHWVN	UrbanWhite Hybrid Very Narrow cCSAus
SUELCRVN	UrbanColor Very Narrow RGBW CE
SUECLAVN	UrbanColor Very Narrow RGBA CE
SUE30KVN	UrbanWhite 3000K Very Narrow CE
SUE40KVN	UrbanWhite 4000K Very Narrow CE
SUE57KVN	UrbanWhite 5700K Very Narrow CE
SUE65KVN	UrbanWhite 6500K Very Narrow CE
SUEHWVN	UrbanWhite Hybrid Very Narrow CE
SUDOPI1	DoP Injector Single Output
SUDOPI1DIN	DoP Injector Single Output Din Rail Mount

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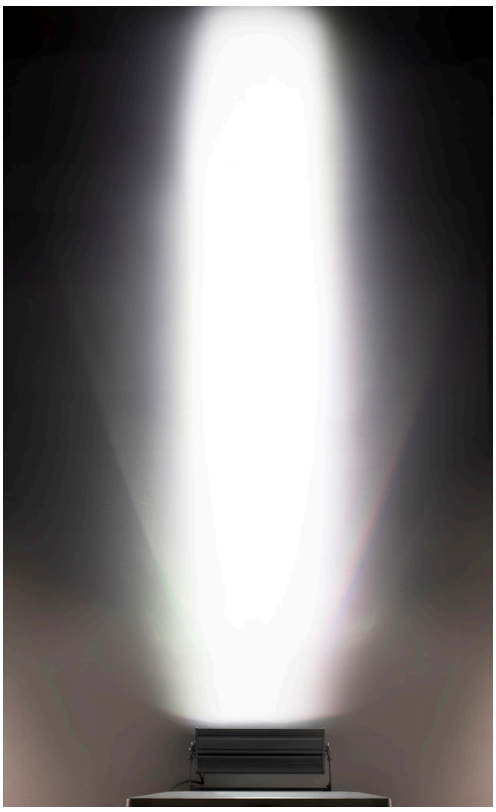
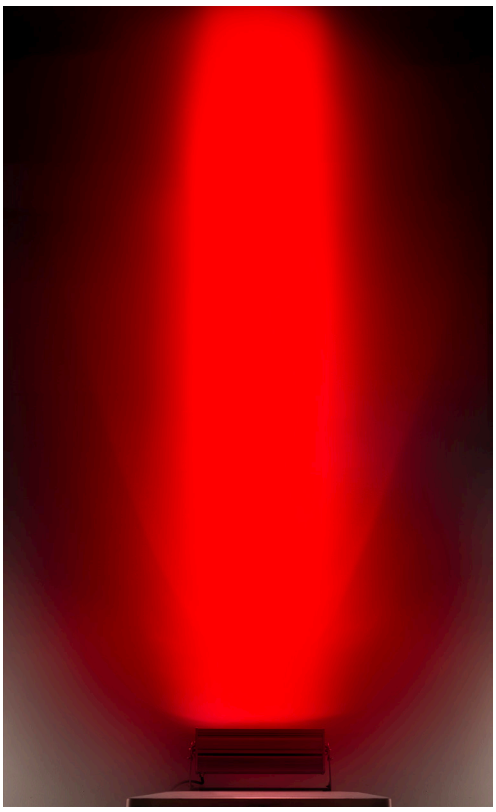
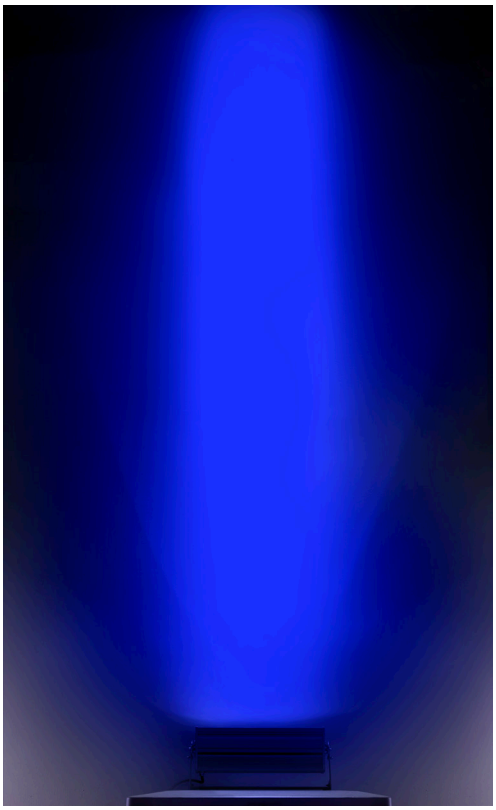


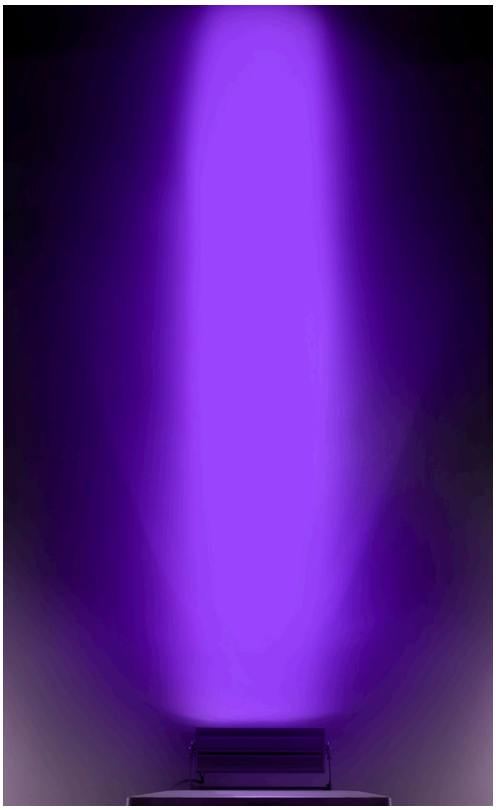
Brilliant whites



Vibrant reds



Deep blues



Purples for days

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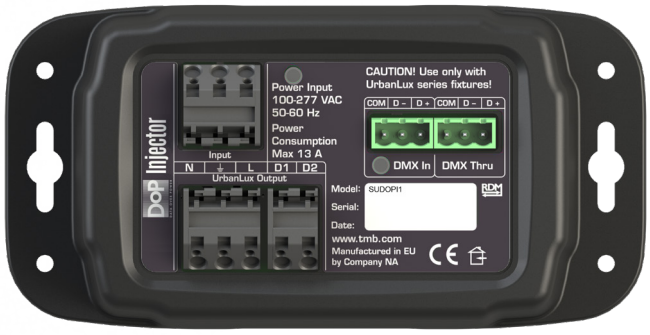

The **Urban Lux DoP™ Injector** combines a 13 Amp power circuit with DMX512/RDM data to power and control multiple UrbanLux fixtures over a single 5X2.5 H07 cable for simple, clean, hassle-free wiring.

Physical	
Length	180 mm [7.1 inch]
Width	90 mm [3.6 inch]
Height	67 mm [2.6 inch]
Weight	0.4kg
Color	Black
Enclosure	Impact-resistant polycarbonate
Mounting	to surface with 4 x M4 screws
Connections	
DMX/RDM	PTB pluggable terimnal block(30 to 14AWG)
Power In	Screwdriver-actuated CAGE CLAMP® connection (28 to 12AWG)
UrbanLux Output	Screwdriver-actuated CAGE CLAMP® connection (28 to 12AWG)
Control	
DMX	Yes
RDM	Yes
Art-Net	No
sACN	No
Addressing	via RDM
Firmware Update	via DMX link
Electrical	
Voltage Output	100VAC to 277VAC (50/60 hz)
Power Consumption	1300W max @ 100VAC - 1560W max @ 120VAC 3120W max @ 240VAC - 3600W max @ 277VAC
Inrush Current	<40 A per DoP Injector
Fuse	External 13A max (not provided)
Environment	
Operating Tempurature	-25°C to 50°C [-4°F to +122°F]
Protection Rating	IP30

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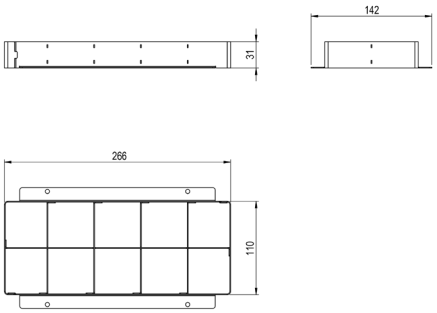
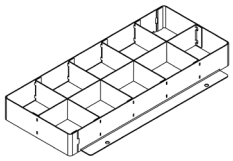
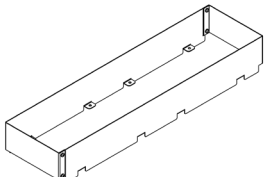
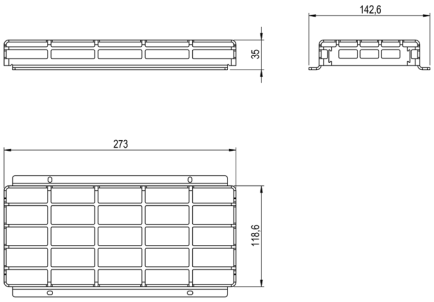


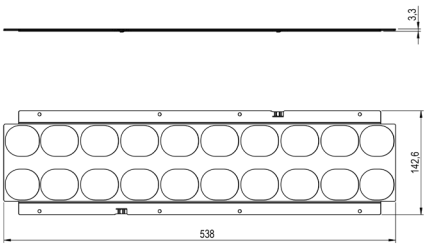


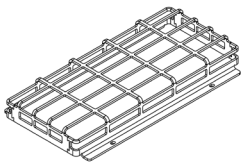
Egg Crate



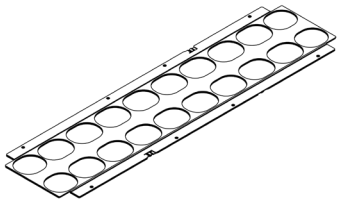
Top Hat







Rock Guard



Filter Frame

Part Number (accessories not included but may be added)	**Description**
SUTOPHXX	Solaris UrbanLux TopHat 2x10
SUHALFHXX	Solaris UrbanLux HalfHat 2x10
SUFILFXX	Solaris UrbanLux FilterFrame 2x10
SUROGXX	Solaris UrbanLux RockGuard 2x10

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