1" LED Wet Location Surface Mount

LED

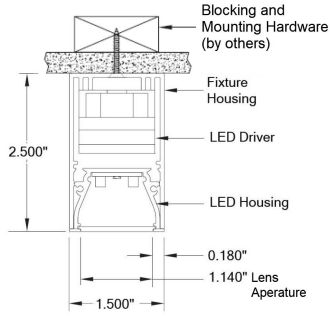


Linear LED Narrow Profile Direct Surface Mount with Flush Lens and Internal Driver for Wet Locations

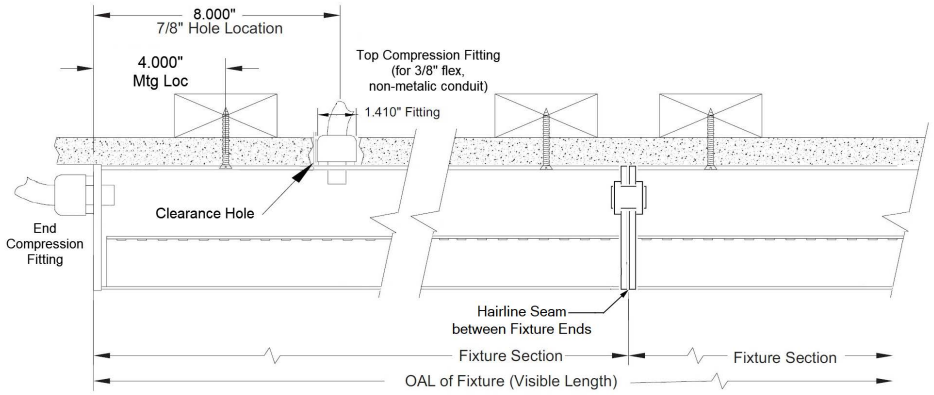
SDNW1

Job Name

Fixture Type



Fixture Profile



Sectional Side View

SDNW1-L ____ ____ ____ ____ ____ - ____ - ____ ____

CRI	Color	Output	Dimming	Lens	Length (")	Cbl. Feed	Finish
8 80+ **9** 90+ **R** RGB & RGBW	**27** 2700K *(90CRI only)* **30** 3000K **35** 3500K **40** 4000K **TW** Tunable White [1] [2] **DW** Dim-to-Warm [1] [2] **GB** RGB **G3** RGBW 3000K **G5** RGBW 3500K	**S** Standard **H** High **M** Maximum *Custom:* *Specify Lm/Ft* [3] **F** Fixed *(RGBs)*	**S** Std. 0-10V 1% **O** Dim-to-Off [1][2] **L** Lutron 1% [3] **D** DALI 1% **P** PoE [3] **2** Wire *(phase-cut)* **T** Step *(10%-70%)* **W** Wireless [3] **X** DMX *(RGBs)*	**DF** Diffuser **AS** Asymmetric **BW** Batwing	*Nominal:* **24**[5] **36** **48** **60** **72** **84** **96** *(see Page 2)* *Custom:* **Cxxx** *(in inches)* [3]	**T** Top, Std. **E** End	**W** White, Std. **B** Black *Custom Color: Specify RAL#*

Product Code Example: **SDNW1-L830HSDF-C120-TW**

A wet location, ultra-clean line, low profile, narrow aperture, linear surface mount fixture utilizing high performance LED boards and lenses. Extruded aluminum housing with internal driver. Special sealants and gaskets allow for use in wet locations, (horizontal mount lens facing down only).

Features

- Starfire's proprietary EvenGlow™ system provides uniform lens illumination from edge-to-edge without lamp imaging, bright spots or shadows at any length.
- Fixtures fabricated to any specified length without custom engineering, maximum 96" per section
- Multiple sections can be joined having a single power feed. Lenses are not continuous.
- Exceptional lumen per watt efficiency.
- High efficiency, low cost, dynamic Tunable White and Dim-to-Warm options.
- High performance acrylic flush diffusion, batwing or asymmetric lens.

Fixture Specifications

- Housing: Heavy-duty extruded aluminum.
- Finish: White (std), custom available.
- Weight: Approx. 1.3 lbs per linear foot.
- UL Listed, Wet Location.
- IP65 design rating.

Electrical

- Power consumption: Per specification based on LED configuration.
- Input Voltage: 120-277V universal driver.
- Ambient operating range: -4 °F to +100 °F
- Integral wiring bus between fixture sections.
- Integral electronic drivers.
- Dimming: 0-10V 1% standard, consult factory for other options.

LED Specifications/Photomerty: Page 2

Mounting

- Screw mount housing to blocking (by others).
- Contact factory for special ceiling conditions.

Options (Consult factory)

- Occupancy sensor, daylight control module [4]
- EM battery pack in 4ft segments. Delivers 1000+ total lumens for 90 mins (depending upon configuration). Specify location.
  Status Indicator/Test Button in remote water tight box with clear cover.
- BAA/BABA compliance for some configurations – factory will advise.

[1] 90 CRI, 2700K-6500K std, others availablle, Specify CCT range.
[2] 0-10V Control std, others available - Specify (Factory to confirm).
[3] Specify – Factory to confirm.
[4] Sensor must be wet location rated.
[5] Available in output levels of 400 lm/ft or greater only.

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Wet Location LED Narrow Profile Surface Mount Fixture – Flush Lens with Internal Driver

SDNW1

LED Strip

High output edge-to-edge, end-to-end illumination

- Choice of lumen output levels:
  S: Standard, **H:** High, **M:** Maximum
  C: Custom (between 200 and 1100 Lm/Ft) depending upon LED Configuration.
- **High Output Option***: Up to 1800 Lm/Ft, consult factory.
- LED Efficiency: Up to 160 Lm/Wt at Maximum output and 180 Lm/Wt at Standard power (at 80+ CRI).
- Proprietary in-house, ultra-tight Vf binned LEDs for uniform intensity.
- Color Consistency**: Equal or better than 3 SCDM.
- Tunable Range: 2700K-6500K, other ranges available.
- Dim-to-Warm: Warm range down to 1800K.
- L70: 50,000+ hours at Maximum output
- 5 year limited warranty***

Fixture Dimensions

Fixture Overall Length

Nominal	Actual
24"	24.34"
36"	33.62"
48"	48.06"
60"	55.64"
72"	71.81"
84"	83.22"
96"	95.34"

Fixture Length Ordering Example:

For a nominal 36" length (34.5" exact): enter **36.**

To order an exact 36" length: enter **C36.**

Contact factory for fixture installation dimensions

Consult factory for fixture installation dimensions.
Some exact lengths may include unobtrusive lens filler

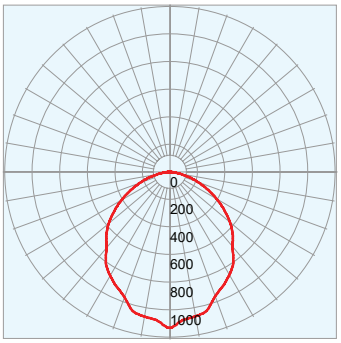
RGB & RGBW LEDs

Maximum Output (Diffuser)

	Lm/Ft	Wt/Ft	Lm/Wt
RGB (all on)	123	9.4	6.0
White	467	6.8	8.4
RGBW (all on)	617	16.2	38.0

Output adjustable with DMX-512 Control

Diffuser

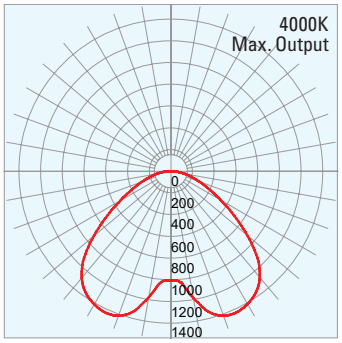


Diffuser

80 CRI		4000		3500		3000		2700	
Settings	Lm/ft	Wt/Ft	Lm/Wt	Wt/Ft	Lm/Wt	Wt/Ft	Lm/Wt	Wt/Ft	Lm/Wt
S	250	1.7	147.4	1.7	143.3	1.8	139.3	1.9	129.9
H	500	3.5	144.0	3.6	139.9	3.7	135.9	4.0	125.9
M	750	5.3	140.6	5.5	136.5	5.7	132.5	6.2	121.8

LV6

Batwing

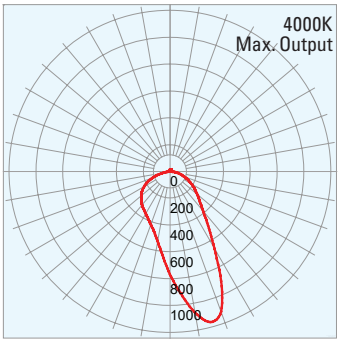


Batwing

80 CRI		4000		3500		3000		2700	
Settings	Lm/ft	Wt/Ft	Lm/Wt	Wt/Ft	Lm/Wt	Wt/Ft	Lm/Wt	Wt/Ft	Lm/Wt
S	250	1.7	143.6	1.8	139.7	1.8	135.7	2.0	126.6
H	500	3.6	140.2	3.7	136.3	3.8	132.3	4.1	122.5
M	750	5.5	136.8	5.6	132.9	5.8	128.9	6.3	118.4

LV6

Asymmetric



Asymmetric

80 CRI		4000		3500		3000		2700	
Settings	Lm/ft	Wt/Ft	Lm/Wt	Wt/Ft	Lm/Wt	Wt/Ft	Lm/Wt	Wt/Ft	Lm/Wt
S	250	1.7	147.5	1.7	143.5	1.8	139.5	1.9	130.1
H	500	3.5	144.1	3.6	140.1	3.7	136.1	4.0	126.0
M	750	5.3	140.7	5.5	136.7	5.7	132.6	6.2	121.9

LV6

* Consult factory for High Output White channel 1200+ Lm/Ft
** Does not apply to Tunable White
*** See Starfire website for Product Limited Warranty

IP 65

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