

XS2 / XS2T-DST202

2" XS LED Square Downlight

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

ELECTRICAL DATA

LED Light Engine	Nominal Delivered Lumens*	System Wattage**
L1	700lm @ 3000K / 82 CRI	10 Watts
L2	1100lm @ 3000K / 82 CRI	15 Watts

* Delivered lumens will vary depending on CCT, CRI, optic and finish.

** System Wattage include driver and LED Module consumption.

FEATURES

- Single modular platform
- 2 Step MacAdam Ellipse binning (2 SDCM) ensures color consistency across luminaires
- Die-cast aluminum trims in architectural grade finishes
- Interchangeable round and square trims
- Field changeable TIR optics in 18°, 24° & 36°

LED LIGHT ENGINE

- High quality LED with 2 SDCM binning
- 82 CRI in 2700K, 3000K, 3500K or 4000K
- 92 CRI in 2700K
- 50,000 hours L70 (rated life at 70% output)

ELECTRICAL SYSTEM

- 0-10V 1% or ELV reverse/forward phase dimming
- 120V or 277V input; Power factor >.9, 50/60Hz
- This product complies with IEEE C62.41 for surge endurance up to 2.5KV. Additional surge protection recommended. Damage from power surge is not covered by warranty.

DIMMING

- Forward/Reverse phase and 0-10V dimming options available via single driver option
- Forward/ reverse phase dimming -120V only
- 0-10V 1% dimming

HOUSING

- Remodel style housing made from 20 gauge zinc plated cold rolled steel
- Standard 1/2" collar accommodates up to 1" ceiling thickness
- Extended collar options available for field installation up to 2-inch ceiling thickness
- For new construction, plaster frame XS2-NCFR (see below for details) is recommended

TRIM ASSEMBLY

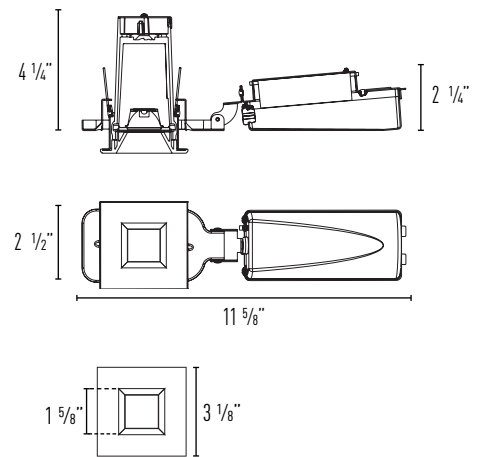
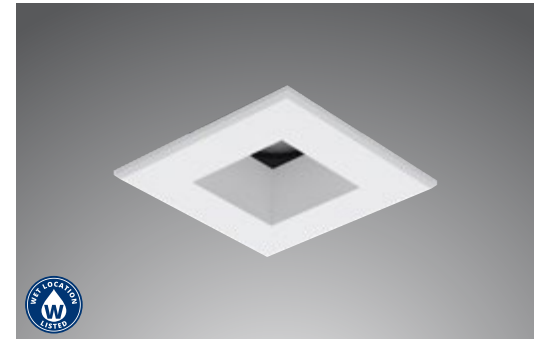
- High quality die-cast aluminum trim with durable powder coat available in multiple finishes

INSTALLATION

Housing types include IC Air-Tight or Non-IC Rated (must specify). Non-IC rated housings must be kept at a minimum of 3" away from insulation.

LISTING

- Driver Assembly: ETL listed to US and Canadian standards for damp location
- Trim Assembly: ETL listed to US and Canadian standards for wet location
- (-IC Only) ETL listed for direct contact w/insulation
- 5-Year Intense LED Limited Warranty
- Can be used to comply with 2016 Title 24-Part 6 High Efficacy LED Light Source Requirements



Ceiling Cut Out: 2 11/16" (Round Diameter)

Driver Assembly Part Number (Example: XS2-NCL1)

Driver Assembly	Installation Type	Wattage	Dimming	Voltage
XS2	-NC (Non-IC)	L1 (10 Watts)	blank (Phase / 0-10V) ²	blank (120V)
	-IC (Air-Tight IC)	L2 (15 Watts) ¹		27 ² (277V)

Trim Assembly Part Number (Example: XS2T-DST202W-SF30NL)

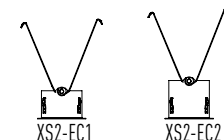
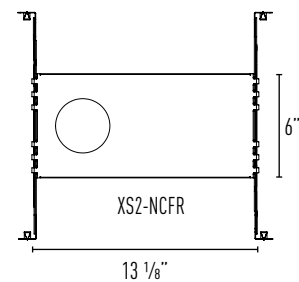
Trim Assembly	Trim Finish	CCT / CRI	Optic
XS2T-DST202	W-SF (White / Self Flanged)	27 (2700K / 82 CRI)	SP (18° Spot)
	B-SF (Black / Self Flanged)	279 (2700K / 92 CRI)	NF (24° Narrow Flood)
	AB-SF (Antique Bronze / Self Flanged)	30 (3000K / 82 CRI)	FL (36° Flood)
	W-NC (White / Non-Conductive)	35 (3500K / 82 CRI)	
		40 (4100K / 82 CRI)	

Notes:

- L2 lumen package available in Non-IC only
- 277V not available with phase dimming
- Excludes: 82 CRI Options

Accessories (Must be ordered separately)

- XS2-NCFR** New construction flat frame w/bar hangers
- XS2-EC1** Extended collar for thick ceiling 1 - 1 1/2"
- XS2-EC2** Extended collar for thick ceiling 1 1/2" - 2"



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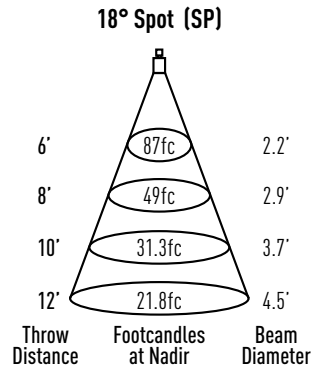
JOB NAME		CATALOG NUMBER	
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XS2-NCL1 / XS2T-DST202W-SF30

Report #: ILL-20170508-04 (SP)
ILL-20170508-03 (NF)
ILL-20170508-01 (FL)

CCT / CRI Multipliers:

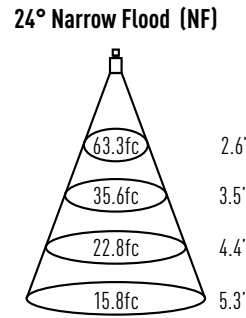
2700K / 82 CRI (x 0.93)
2700K / 92 CRI (x 0.75)
3000K / 82 CRI (x 1.00)
3500K / 82 CRI (x 1.00)
4000K / 82 CRI (x 1.00)



Watts: 10
Lumens: 660
LPW: 66
CCT: 3000K

Candelas at Nadir

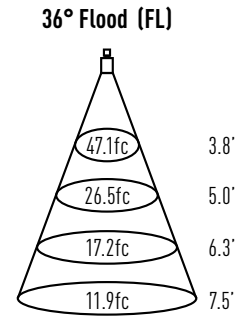
Degree	CBCP
0°	3135
5°	2751
15°	674
25°	210
35°	40
45°	18



Watts: 10
Lumens: 659
LPW: 66
CCT: 3000K

Candelas at Nadir

Degree	CBCP
0°	2278
5°	2156
15°	956
25°	262
35°	66
45°	22



Watts: 10
Lumens: 722
LPW: 72
CCT: 3000K

Candelas at Nadir

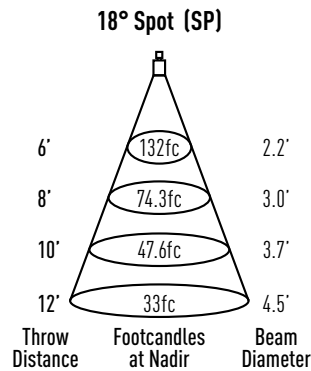
Degree	CBCP
0°	1716
5°	1634
15°	1073
25°	417
35°	82
45°	15

XS2-NCL2 / XS2T-DST202W-SF30

Report #: ILL-20170509-03 (SP)
ILL-20170509-02 (NF)
ILL-20170509-05 (FL)

CCT / CRI Multipliers:

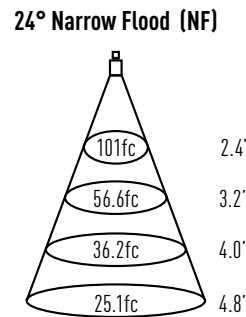
2700K / 82 CRI (x 0.93)
2700K / 92 CRI (x 0.75)
3000K / 82 CRI (x 1.00)
3500K / 82 CRI (x 1.00)
4000K / 82 CRI (x 1.00)



Watts: 15.1
Lumens: 1004
LPW: 67
CCT: 3000K

Candelas at Nadir

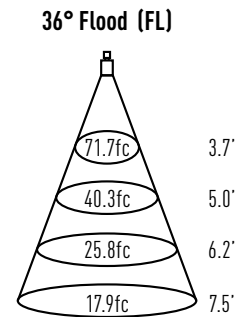
Degree	CBCP
0°	4758
5°	4149
15°	998
25°	328
35°	135
45°	30



Watts: 15.1
Lumens: 992
LPW: 66
CCT: 3000K

Candelas at Nadir

Degree	CBCP
0°	3858
5°	3757
15°	1319
25°	438
35°	90
45°	33



Watts: 15.1
Lumens: 1100
LPW: 73
CCT: 3000K

Candelas at Nadir

Degree	CBCP
0°	2612
5°	2474
15°	1559
25°	596
35°	113
45°	22