TUBE 200 SX
SURFACE MOUNT

PROJECT

Job _____

Type _____

Part # _____

Notes

SPECIFICATIONS

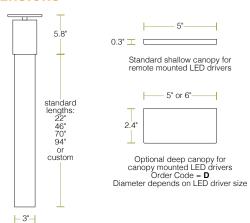|	
Source	Xicato XTM LED module - up to 2000 lumens
CCT	2700K, 3000K, 3500K or 4000K
Color Consistency	1x2 SDCM (MacAdam) along BBL, CCT +/- 40K to 70K, Duv +/- .001
CRI (Ra)	83 or 98
Driver / Location	Included / Remote mount or deep canopy options
Dimming	0-10V or phase dimming to 10% standard; DALI, DMX and 1% dimming available
Input Voltage	100 to 277VAC, phase dimmable versions are 120VAC only
Power	Up to 24 watts max, depending on LED module / driver
Diffuser	Satinice Acrylic
Material	CNC machined aluminum, stainless steel hardware
Finish	Powder coat - TGIC polyester for exterior and interior use
Weight	1.6 lb. [0.7 kg]
Location	Listed for Wet & Damp locations
Approvals	ETL Listed to UL 1598, 2108, 8750 and CSA C22.2# 9 & #250.0
L80 Life	> 50,000 hours at 80% lumen maintenance based on IESNA LM-80-08
Warranty	Lifetime Limited Warranty - see warranty for details
IES Files	LM-79-08 IES files available
Modifications	Any modification or customization is possible - consult factory

LED · INDOOR OUTDOOR · WET LOCATION · DIMMABLE · lumenetix · LIGHTSOURCE BY XICATO · TITLE 24 COMPLIANT · ETL Intertek · NuLEDs

ORDERING LOGIC

Model	Driver Location	Dimming	Mounting Location	Output	CRI *	C.C.T.	Tube Length	Shell Color	Options
T2SM -			-				-		-

Driver Location	Dimming	Mounting Location	Output	CRI *	C.C.T.	Tube Length	Shell Color
R=Remote	**N**=None	**D**=Damp	**07**=700 lm	**83**=83	**27**=2700K	**22**=22"	**XX**
D=Deep	**P**=Phase	**W**=Wet	**10**=950 lm	**98**=98*	**30**=3000K	**46**=46"	(see chart on page 4)
Canopy	**V**=0-10V		**13**=1300 lm		**35**=3500K	**70**=70"	
	Z=Other		**20**=2000 lm		**40**=4000K	**94**=94"	**ZZ**=Custom
						ZZ=Custom	

* 98 CRI not available in 2000 lm

Example Part Number: **T2SM-RND-138327-46S3**

TUBE **2**00 **S**X Surface **M**ount **- R**emote Driver, **N**o Dimming, **D**amp Location **- 13**00 lm, **83** CRI, **27**00K **- 46**" Tube, **S3** Red Shell

DIMENSIONS

5.8"

standard lengths:
22"
46"
70"
94"
or custom

3"

0.3"

5"

Standard shallow canopy for remote mounted LED drivers

2.4"

5" or 6"

Optional deep canopy for canopy mounted LED drivers
Order Code = **D**
Diameter depends on LED driver size

All canopies fit standard 3.5" and 4" round and octagonal junction boxes

Custom diffuser tube lengths may be specified. Max length = 94"

Not to scale, dimensions are nominal Consult factory for CAD drawings

LED OPTIONS

LED Specifications			
CRI	**Lumens[1, 2, 3]**	**Wattage[4] (W)**	**Efficacy[5] (lm/W)**
Ra = 83 ±3	700	5.6	129
	950	8.2	118
	1300	11.7	111
	2000	19.5	102
Ra = 98 R9 ≥ 90 R15 ≥95	700	7.4	97
	950	10.9	89
	1300	15.6	83

[1] ±10%

[2] Source lumens - see photometrics on page 3 for LOR to calculate delivered lumens

[3] Higher lumen outputs are available in CORE / QUBE 300 and 400 series

[4] Maximum luminaire wattage including LED driver = LED wattage x 1.2

[5] Higher efficacies are available via lower drive currents - consult factory

CONTROL OPTIONS

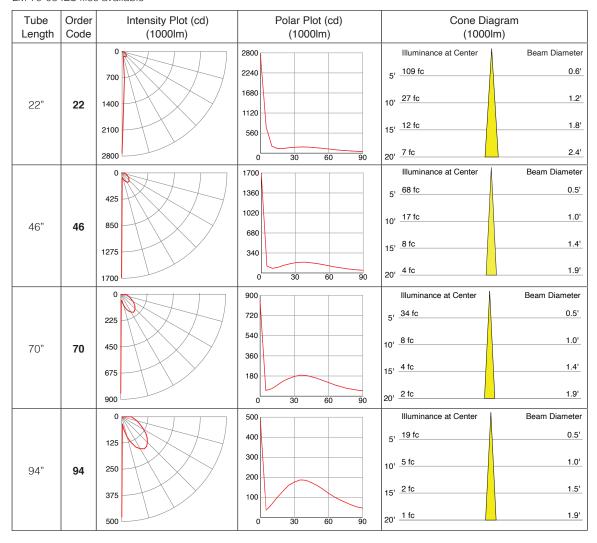|	
Standard LED Drivers* (included in base price)	Order Code **V** = 0-10V dimming to 10%
	Order Code **P** = Phase dimming to 10%
	Compatible with both forward and reverse phase dimmers
Optional LED Drivers*	eldoLED 0-10V, DALI, or DMX dimming to 0%
	Lutron Hi-lume™ A-series, EcoSystem or forward phase dimming to 1%
	Lutron Hi-lume™ 5-series, EcoSystem dimming to 5%

* All LED drivers must be mounted in a deep canopy or remote

* Standard LED drivers are suitable for Wet Location

* Optional LED drivers are suitable for Damp Location

* For EM applications:

All LED drivers may be used with 3rd party inverter style systems

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PHOTOMETRICS

LM-79-08 IES files available

Tube Length	Order Code	Intensity Plot (cd) (1000lm)	Polar Plot (cd) (1000lm)	Cone Diagram (1000lm)
22"	**22**			Illuminance at Center / Beam Diameter 5' 109 fc — 0.6' 10' 27 fc — 1.2' 15' 12 fc — 1.8' 20' 7 fc — 2.4'
46"	**46**			Illuminance at Center / Beam Diameter 5' 68 fc — 0.5' 10' 17 fc — 1.0' 15' 8 fc — 1.4' 20' 4 fc — 1.9'
70"	**70**			Illuminance at Center / Beam Diameter 5' 34 fc — 0.5' 10' 8 fc — 1.0' 15' 4 fc — 1.4' 20' 2 fc — 1.9'
94"	**94**			Illuminance at Center / Beam Diameter 5' 19 fc — 0.5' 10' 5 fc — 1.0' 15' 2 fc — 1.5' 20' 1 fc — 1.9'

ALW

COLOR OPTIONS

Category				
Basic Powder Coat	**GW** Gloss White	**SW** Satin White **AW** Antimicrobial option	**TW** Textured Matte White	**TB** Textured Matte Black
Satin Anodized Effect Powder Coat	**CS** Clear Silver	**OB** Oil-Rubbed Bronze	**DB** Dark Bronze	**SB** Satin Black
Metallic Powder Coat	**SG** Silver Gray	**CG** Charcoal Gray	**CU** Copper	**BR** Brass
Gloss Powder Coat (80-95% Gloss)	**GO** Orange (RAL 2003)	**GR** Red (RAL 3020)	**GM** Magenta (RAL 4010)	**GB** Blue (RAL 5015)
Aluminum	**BA** Brushed Aluminum Cost adder applies.			

Special Order

RAL _ _ _ _
Most RAL Classic Colors (80-95% Gloss) are available for powder coat - consult ALW. Minimum setup fee applies.
See: alwusa.com/finishes for more information

CAT _ _ _ _
The complete range of powder coat colors from the Tiger Drylac and TCI catalogs are available - consult ALW. Minimum setup fee applies.

Custom

CCM _ _ _ _
Custom powder coat color matching is available - consult ALW. Premium setup fee applies.

Printed or on-screen colors are only approximations - consult actual Color Chip Set before specifying

Note: An individual setup fee will apply to each unique Special Order/Custom Finish per purchase order.
(ex: RAL 5023 and RAL 2008 are specified for multiple line items on a purchase orer. 2x setup fees will apply)