



# TXD 250M/400M Low Bay

**TXD 250MP A23 SCWA**, 250W, clear Metal Halide lamp, 22,000 rated lumens. Test No. 1194080607P.

Distribution curve		Coefficient of utilization														Distribution data		
	p c pw															Angle	cp.	Lumens
		70%	80%	30%	10%	50%	20%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%	
0°	0	93	93	93	93	85	85	85	81	81	81	76	76	76	75	0°	4433	
15°	1	84	81	78	75	75	72	70	71	69	68	68	66	65	63	15°	4323	411
30°	2	77	71	66	62	66	63	59	64	60	58	61	58	56	54	30°	4217	1193
45°	3	70	63	57	52	59	54	50	56	52	49	54	51	48	46	45°	4278	1981
60°	4	65	56	50	45	53	47	43	50	46	42	48	45	41	40	60°	5113	3211
75°	5	60	50	43	38	47	41	37	45	40	36	43	39	36	34	75°	4864	3764
90°	6	55	45	37	33	41	36	32	40	35	31	38	34	30	29	90°	3175	2848
	7	50	39	32	28	37	31	27	35	30	26	34	29	26	24	105°	1647	1636
	8	46	35	28	24	33	27	23	32	27	23	30	26	22	21	115°	879	930
	9	42	31	25	20	30	24	20	28	23	19	27	23	19	18	125°	421	459
	10	39	28	21	17	26	21	17	25	20	17	25	20	16	15	135°	284	
																145°	205	223
																155°	117	124
																165°	124	124
																175°	139	125
																180°	48	37
																	54	34
																	60	28
																	68	19
																	35	3
																	0	0

Spacing criterion: 1.7  
Spacing-to-mounting height: 1.7

**TXD 400MP A23 SCWA**, 400W, clear Metal Halide lamp, 36,000 rated lumens. Test No. 1194071403.

Distribution curve		Coefficient of utilization														Distribution data		
	p c pw															Angle	cp.	Lumens
		70%	80%	30%	10%	50%	20%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%	
0°	0	95	95	95	95	87	87	87	83	83	83	78	78	78	77	0°	7392	
15°	1	86	83	79	76	76	74	72	73	71	69	70	68	66	65	15°	7326	696
30°	2	79	73	68	64	68	64	61	65	62	59	62	59	57	55	30°	7086	2005
45°	3	72	64	58	53	60	55	51	57	53	50	55	52	49	47	45°	7167	3318
60°	4	67	57	51	46	54	48	44	51	47	43	49	46	42	40	60°	8358	5249
75°	5	61	51	44	39	48	42	38	46	41	37	44	40	36	35	75°	8038	6222
90°	6	56	46	38	33	42	37	32	41	36	32	39	35	31	29	90°	5446	4885
	7	51	40	33	28	38	31	27	36	31	27	35	30	26	25	105°	2850	2830
	8	47	36	29	24	34	28	24	32	27	23	31	26	23	21	115°	1504	1591
	9	43	32	25	21	30	24	20	29	24	20	28	23	20	18	125°	712	777
	10	40	29	22	18	27	21	17	26	21	17	25	20	17	15	135°	332	363
																145°	187	198
																155°	207	205
																165°	246	221
																175°	66	51
																180°	77	48
																	87	40
																	102	29
																	52	5
																	0	0

Spacing criterion: 1.7  
Spacing-to-mounting height: 1.7

## Enclosed Aluminum Optical

## TX A23

Hi-Tek®



A23

## Intended Use

For areas that require vertical illumination and glare control at low mounting heights. Ideal for general open areas, retail spaces and aisles.

**Certain airborne contaminants can diminish integrity of acrylic. Refer to Acrylic Environmental Compatibility Chart on page 735 for suitable uses.**

## Features

**Housing** – Rugged, heavy-duty, die-cast aluminum with white polyester powder finish. Electrical components horizontally opposed and heat-sunk to ballast housing for cooler operation.

**Ballast** – 100% factory tested. High power factor ballast with a minimum of class H insulation.

**Optics** – Injection-molded, virgin acrylic lens and highly reflective, white polyester powder painted reflector. UV stabilized. Hinge and lens retainer latches facilitate tool-less removal for maintenance and cleaning. Inhibits entrance of outside contaminants.

**Socket** – Glazed porcelain, vertically oriented socket with copper alloy, nickel-plated screw shell and center contact. UL Listed 1500W, 600V, 4KV pulse rated.

**Installation** – Pendant splice box threaded for 3/4" conduit (standard). Other mounting options available.

## Listings

UL Listed to U.S. and Canadian safety standards. NOM Certified. Meets UL lamp rupture containment specifications. UL Listed for damp locations. Ambient operation: -30° to 40°C (High Ambient HA option for 55°C). UL wet location available.

## Ordering Information

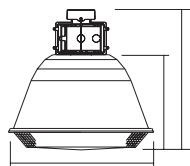
Example: TX 400M A23 TB SCWA

Series	Wattage	Optical	Voltage	Ballast	Options/Accessories
TX	High pressure sodium	A23 <sup>2</sup>	120	Metal halide and high pressure sodium	See pages 386-397. HID lamps are available with luminaires. Consult factory.
TXD <sup>1</sup>	250S		208 <sup>3,4</sup>	(blank) Standard magnetic ballast	
	400S		240 <sup>3,4,5</sup>	CWI Constant wattage isolated	
	Metal halide		277	MRB Magnetic regulator ballast	
	175M		347		
	200M		480 <sup>3,4</sup>		
	250M		TB <sup>6</sup>		
	320M		TBV <sup>7</sup>		
	350M				
	400M				
	450M				

TXD<sup>1</sup>

TX A23

Overall height: 22-1/4 (56.5)  
Reflector height: 15-1/4 (38.7)  
Diameter: 23 (58.4)



Lamp/fixture data				
Wattage	Standard ballast	Weight		S/mtg. height
		lbs.	kgs.	
High pressure sodium (mog/clear)				
250	CWA	23	10	1.6
400	CWA	29	13	1.6
Metal halide (mog/clear)				
250	CWA	21	10	1.7
400	CWA	25	11	1.7

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in **inches (centimeters)** unless otherwise noted.

Metal halide and high pressure sodium

(blank) Standard magnetic ballast

CWI Constant wattage isolated

MRB Magnetic regulator ballast



Pulse start metal halide

LLRPSL Linear reactor pulse start

SCWA Super constant wattage autotransformer

LLSCWA Low loss SCWA

RLB Regulated lag ballast

SCWI Isolated SCWA

See pages 384-385 for details.

**lightquick<sup>®</sup> XD**  
Express delivery products.

See page 11 for details about LightQuick XD.

## Description

TX 250M A23 TB

TX 400M A23 TB

## NOTES:

- TXD consists of TX housing and A23 optical assembly shipped in one carton. Available with tapped ballast or 480V only. Available only in 250M, 320M and 400M.
- Replace **A** in optical nomenclature with **P** for polycarbonate lens.
- Requires CWI or RLB option in Canada for metal halide. Available for 175-450W only.
- Requires CWI or MRB option in Canada for high pressure sodium. Available for 70-400W only.
- 220V and 240V, 50 Hz and 60 Hz ballasts available for use with U.S. metal halide and high pressure sodium lamps.
- Optional multi-tap ballast (120V, 208V, 240V, 277V; 120V, 277V, 347V in Canada).
- Optional five-tap ballast (120V, 208V, 240V, 277V, 480V). Available for 250W, 400W metal halide and high pressure sodium (CWA only).