

# FEATURES & SPECIFICATIONS

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

**CONSTRUCTION** - Distributor pack consists of ballast housing, reflector, door lens and lamp together in one carton.

Housing - Heavy-duty, die-cast aluminum halves. Ballast and electrical components are heat-sinked and horizontally opposed. Integral splice box mounting flange ensures structural integrity.

FINISH - Electrostatically applied white polyester paint.

**OPTICAL SYSTEM** - Injection-molded virgin acrylic lens; aluminum reflector with optical quality, white polyester powder finish. Positive-latch refractor clips allow access for maintenance and cleaning. Continuously gasketed refractor and reflector inhibit the entrance of ambient contaminants. Meets UL lamp rupture containment specifications.

ELECTRICAL SYSTEM - Ballast: All ballasts are 100% factory tested. HPS: Constant wattage autotransformer; MH: Super CWA Pulse Start ballasts, 88% efficient and EISA legislation compliant, are required for 250-400W (must order SCWA option) for US shipments only. CSA, NOM or INTL required for probe start shipments outside the US. 1000W is Constant Wattage Autotransformer.

Socket: Vertically oriented mogul base PROTECTED EXCLUSIONARY base "PINK" socket with copper alloy nickel plated screw shell and center contact. For use with "O" rated protected metal halide lamps only. nickel-plated screws, shell and center contact.

**INSTALLATION** - Pendant Splice Box - Removable cast-aluminum box slides on integral die-cast aluminum housing mounting flange and mounts to 34" pendant conduit prior to ballast housing installation. Matching wire access cover accepts Reloc modular wiring. Complete assembly meets or exceeds UL 50-pound pull test.

Optic Mounting - Four 8-32 zinc-plated, tri-lobular, thread-rolling screws are arranged concentrically around the lamp socket. 16-gauge, galvanized steel support ring with matching keyhole hole pattern for vibration resistant mounting.

LISTINGS - UL listed -30°C to 40°C ambient operations and damp locations. 55° available. UL wet location available. Listed and labeled to comply with Canadian Standards. NOM Certified (see Options).



Catalog Number

Notes

Low Bay Industrial Lighting

Туре

#### **DISTRIBUTOR PACK**

#### 23" ALUMINUM OPTICAL WITH ACRYLIC DROP LENS DOOR

**Protected Metal Halide** 250W/400W

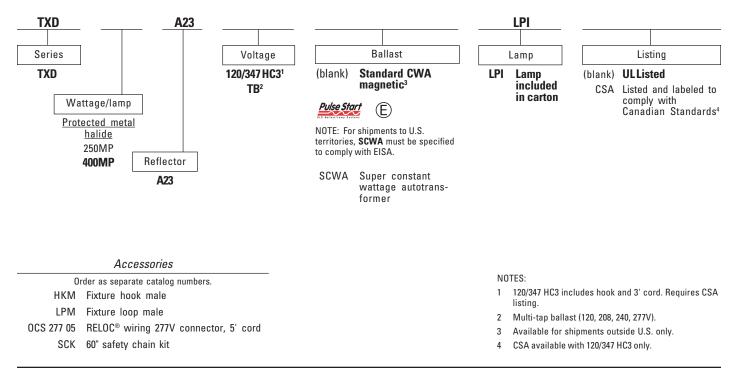
12' to 20' mounting

Specifications Installed height: 22 (55.9) Installed width: 23 (58.4) Weight: 21 lbs (9.5 kg)

All dimensions are inches (centimeters) unless otherwise specified.

# **ORDERING INFORMATION**

For shortest lead times, configure product using standard options (shown in bold). Example: TXD 400MP A23 TB SCWA LPI



# 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** 20% Angle cp. Lumens ρf ρc 80% 50% 50% 30% 30% 10% 30% 4433 4323 4217 0° 95 30% 70% 30% 10% 50% 10% 50% 10% 50% 10% 0% ρw 411 90 01234567890 93477056055046239 93 71 63 50 50 50 35 31 28 9376657 5043732 8251 8576659 53741 333026 85763547 4743631 27421 857595437327232017 81690524643530272320 81 76655145342926220 76 55 48 41 30 26 22 19 16 7563546403492421815 1193 937562524533328242017 76 68 61 54 83 84 30 27 25 85 1981 3211 68 58 49 42 36 31 26 23 9 17 4278 2000 75° 5113 4864 3764 2848 1636 930 459 4000 3175 1647 879 421 284 205 117 124 139 48 54 60 68 35 0 60 6000 45° 15° 30° 0 223 124 125 37 34 28 19 30 **Output data** Average luminance data Zone Lumens %lamp Angle Footlamberts 0°-30° 3586 16.3 55° 4867 0°-40° 30.9 6798 65° 3127 165° 175° 0°-60° 60.9 2281 13398 75° Spacing criterion: 1.7 85° 0°-90° 16434 74.7 1812 180 90°-180° 726 3.3 Spacing-to-mounting height: 1.7 \*78.0 0°-180° 17160 \* Fixture efficiency

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

Distribution curve					C	oeffic	ient (	of utiliz	ation						Dist	ributio	n data
$\begin{array}{c} 3000\\ 6000\\ 9000\\ 0^{\circ} & 15^{\circ} & 30^{\circ} \end{array} \xrightarrow{95^{\circ}} 90^{\circ} \end{array}$	ρf ρc ρw 1 2 3 4 5 6 7 8 9 10	70% 5 95	0% 0% 30 95 99 83 79 73 65 64 55 51 44 64 33 64 33 64 33 64 33 29 29 22	95 76 64 53 46	50% 87 76 68 60 54 48 42 38 42 38 34 30 27	20% 50% 30% 87 74 64 55 48 42 37 31 28 24 21	10% 87 72 61 51 44 38 32 27 24 20 17	50% 83 73 65 57 516 41 36 32 29 26	30% 30% 83 71 62 53 47 41 36 31 27 24 21	10% 83 69 59 50 43 37 32 27 23 20 17	50% 78 70 62 555 49 44 39 35 31 28 25	10% 30% 78 68 59 52 46 40 35 30 26 23 20	10% 78 66 57 49 42 36 31 26 23 20 17	0% 77 65 55 47 40 35 29 25 21 18 15	Angle 0° 55° 25° 35° 55° 65° 75° 85° 90° 95° 105°	cp. 7392 7326 7086 7167 8358 8038 5446 2850 1504 712 472 332 187	Lumens 696 2005 3318 5249 6222 4885 2830 1591 777 363 198
			•	uminanc					utput						115° 125°	187 207 246 66	198 205 221 51
Spacing criterion: 1.7 Spacing-to-mounting height: 1.7			gle 55° 65° 75° 85°	84 55 40	ambert: 185 132 132 243	<u>s</u>		Zone 0°-30° 0°-40° 0°-60° 0°-90° 0°-180° 0°-180° * Fixtur	6( 11) 223 275 1 285	nens 012 268 392 576 152 728 cienc	%lamp 16.7 31.3 62.2 76.6 3.2 *79.8	_			135° 145° 155° 165° 175° 180°	66 77 87 102 52 0	51 48 40 29 5 0



An ScuityBrands Company

Sheet #: TXD 250-400M-A23 ©1995 Acuity Brands Lighting, Inc., Rev. 12/22/08

Lithonia Lighting Industrial One Lithonia Way, Conyers, GA 30012 Phone: 770-922-9000, 800-315-4963, Fax: 770-929-8789 www.lithonia.com

## **Enclosed Aluminum Optical**

**TX A23** 

## Hi-Tek<sup>®</sup>



## **Ordering Information**



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 heatsinked 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.

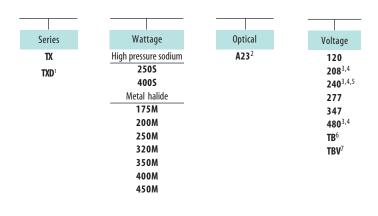
Socket - Glazed porcelain, vertically oriented socket with copper alloy, nickel-plated screw shell and center contact. UL Listed 1500W, 600V, 4KV pulse rated.

Installation - Pendant splice box threaded for <sup>3</sup>/<sub>4</sub>" conduit (standard). Other mounting options available.

### Listings

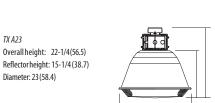
UL Listed to U.S. and Canadian safety standards. NOM Certified. Meets UL lamp rupture containment specifications. UL Listed for damp locations. Ambient operation:-30° to 40°C (High Ambient HA option for 55°C). UL wet location available.

### Example: TX 400M A23 TB SCWA



Ballast					
ide and high pressure sodium					
Standard magnetic ballast					
Constant wattage isolated					
Magnetic regulator ballast					
tart H.I.D. Ballast/Lamp Systems					
rt metal halide					
Linear reactor pulse start					
Super constant wattage					
autotransformer					
Low loss SCWA					
Regulated lag ballast					
Regulated lag ballast Isolated SCWA					

TXD<sup>1</sup>



🖊 LITHONIA LIGHTING

	Lamp/fixtu	re data		
	Standard	We	ight	S/mtg.
Wattage	ballast	lbs.	kgs.	height
High pressure so	dium (mog/clear)			
250	CWA	23	10	1.6
400	CWA	29	13	1.6
Metal halide (m	og/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

www.lithonia.com, keyword: TX-A23

### **Options/Accessories** See pages 386-397. HID lamps are available with luminaires. **Consult factory**

light <b>quick°XD</b>
Express delivery products.

See page11 for details about LightQuick XD.

See page i i for details about LightQuick ND.	
Description	
TX 250M A23 TB	
TX 400M A23 TB	

NOTES

- 1 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 polycarbonte lens. 2
- Requires CWI or RLB option in Canada for metal halide. Available for 175-450W 3 only
- Requires CWI or MRBoption in Canada for high pressure sodium. Available for 4 70-400W only
- 220V and 240V, 50 Hz and 60 Hz ballasts available for use with U.S. metal halide 5 and high pressure sodium lamps.
- Optional multi-tap ballast (120V, 208V, 240V, 277V; 120V, 277V, 347V in Canada). 6
- Optional five-tap ballast (120V, 208V, 240V, 277V, 480V). Available for 250W. 7 400W metal halide and high pressure sodium (CWA only)

TX A23