

## 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-sunked 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.

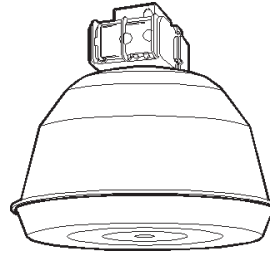
**Socket:** Vertically oriented mogul base PROTECTED EXCLUSIONARY base "PINK" socket with copper alloy nickel plated screw shell and center contact. For use with "O" rated protected metal halide lamps only. nickel-plated screws, shell and center contact.

**INSTALLATION** – Pendant Splice Box – Removable cast-aluminum box slides on integral die-cast aluminum housing mounting flange and mounts to ¾" 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	Type



Low Bay Industrial Lighting

# TXD

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	A23	Voltage	Ballast	LPI	Listing
Series				Lamp	
TXD		120/347 HC3 <sup>1</sup> TB <sup>2</sup>	(blank) <b>Standard CWA magnetic<sup>3</sup></b>	<b>LPI</b> <b>Lamp included in carton</b>	(blank) <b>UL Listed</b>
Wattage/lamp			 		CSA Listed and labeled to comply with Canadian Standards <sup>4</sup>
Protected metal halide			NOTE: For shipments to U.S. territories, <b>SCWA</b> must be specified to comply with EISA.		
250MP			SCWA Super constant wattage autotransformer		
400MP	Reflector				
	A23				

### Accessories

Order as separate catalog numbers.

HKM	Fixture hook male
LPM	Fixture loop male
OCS 277 05	RELOC® wiring 277V connector, 5' cord
SCK	60" safety chain kit

### NOTES:

- 120/347 HC3 includes hook and 3' cord. Requires CSA listing.
- Multi-tap ballast (120, 208, 240, 277V).
- Available for shipments outside U.S. only.
- CSA available with 120/347 HC3 only.

# 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
																180°	54	34
																180°	60	28
																180°	68	19
																180°	35	3
																180°	0	0
																180°	0	0

Average luminance data		Output data		
Angle	Footlamberts	Zone	Lumens	%lamp
55°	4867	0°-30°	3586	16.3
65°	3127	0°-40°	6798	30.9
75°	2281	0°-60°	13398	60.9
85°	1812	0°-90°	16434	74.7
		90°-180°	726	3.3
		0°-180°	17160	*78.0

\* Fixture efficiency

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
																180°	87	40
																180°	102	29
																180°	52	5
																180°	0	0
																180°	0	0

Average luminance data		Output data		
Angle	Footlamberts	Zone	Lumens	%lamp
55°	8485	0°-30°	6012	16.7
65°	5532	0°-40°	11268	31.3
75°	4032	0°-60°	22392	62.2
85°	3243	0°-90°	27576	76.6
		90°-180°	1152	3.2
		0°-180°	28728	*79.8

\* Fixture efficiency

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.

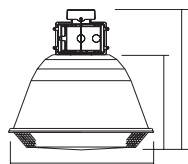
## Ordering Information

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

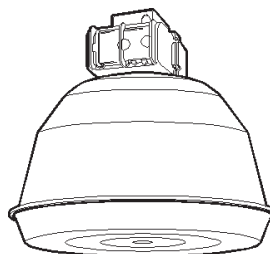
## NOTES:

- 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).



**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	Type



# TXD

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250W/400W

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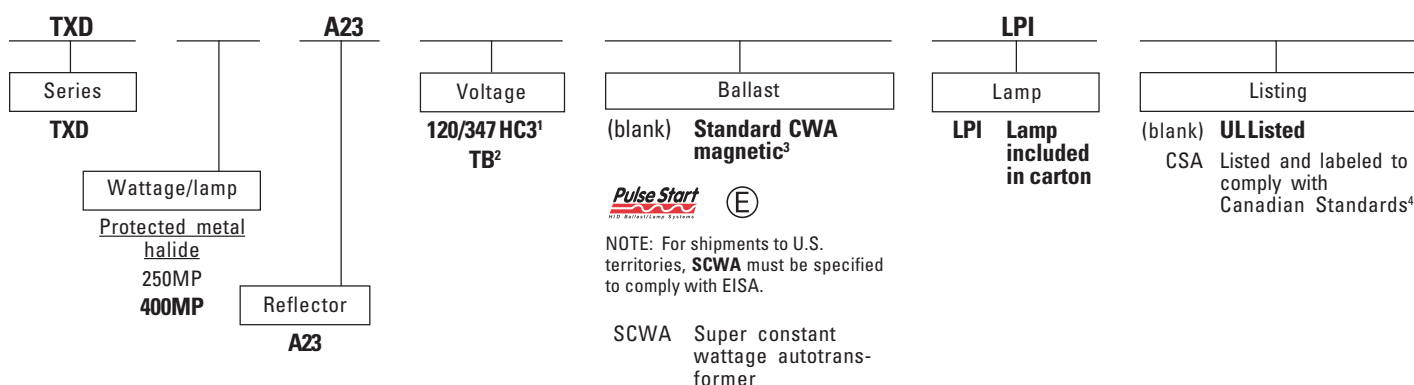
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## Accessories

Order as separate catalog numbers.

HKM Fixture hook male

LPM Fixture loop male

OCS 277 05 RELOC® wiring 277V connector, 5' cord

SCK 60" safety chain kit

NOTES:

- 1 120/347 HC3 includes hook and 3' cord. Requires CSA  
listing.  
2 Multi-tap ballast (120, 208, 240, 277V).  
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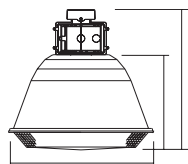
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TXD<sup>1</sup>

TX A23

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- Optional five-tap ballast (120V, 208V, 240V, 277V, 480V). Available for 250W, 400W metal halide and high pressure sodium (CWA only).