

## FEATURES & SPECIFICATIONS

**INTENDED USE** — Use in high-mounting heights that require high efficiencies and horizontal illumination. Ideal for general manufacturing areas, storage areas and warehouse aisles.

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

**CONSTRUCTION** — 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** — Housing — Electrostatically applied white polyester powder paint.

**OPTICAL SYSTEM** — High-efficiency, anodized, spun aluminum reflector features exclusive contoured design that minimizes color shift. Self-cleaning ventilated design carries contaminants out of the top of the reflector.

**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 250-450W (must order SCWA option) for US shipments only. CSA, NOM or INTL required for probe start shipments outside the US.

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.

**INSTALLATION** — Pendant Splice Box — Removable cast-aluminum box slides on integral die-cast aluminum housing mounting flange and mounts to 3/4" 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 — Reflector mounting brackets are progressively die-formed of 18-gauge galvanized steel.

**LISTINGS** — UL listed -30°C to 55°C ambient operations & damp locations. UL Listed to US and Canadian Standards (see Options). NOM Certified (see Options).

Catalog Number	
Notes	Type

### Open High Bay Industrial Lighting

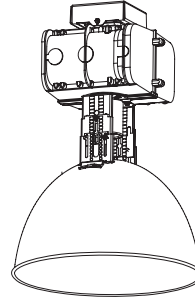
# THD A15

#### DISTRIBUTOR PACK

#### 15" ALUMINUM OPTICAL

**Protected Metal Halide**  
400W  
**High Pressure Sodium**  
400W

18' to 30' mounting



#### Specifications

Installed height: 19-1/2 (49.50)

Installed width: 14-1/8 (35.90)

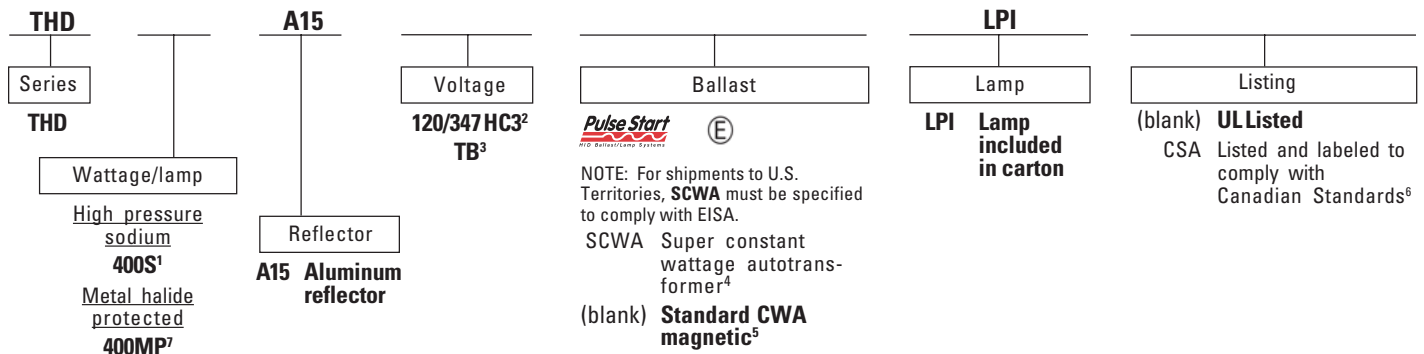
Weight: 21 lbs (10 kg)

All dimensions are inches (centimeters) unless otherwise specified.

## ORDERING INFORMATION

For shortest lead times, configure product using **standard options (shown in bold)**.

Example: THD 400MP A15 TB LPI



#### 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 400S available only with TB voltage.
- 2 120/347 HC3 includes hook and 3' cord. Requires CSA listing.
- 3 Multi-tap ballast (120, 208, 240, 277V).
- 4 SCWA available with 400M TB only.
- 5 Available for shipment outside U.S. only.
- 6 CSA available with 120/347 HC3 only.
- 7 These wattages comply with California Title 20.

# THD A15 High Bay

THD 400MP A15 SCWA, leg position 10, 400W, clear metal halide lamp, 36,000 rated lumens. Test No. LTL 13747.

Distribution curve		Coefficient of utilization													Distribution data					
p pc pw	70%	80%	50%	30%	10%	20%		50%	30%	10%	50%	30%	10%	50%	30%	10%	0%	Angle	cp.	Lumens
						50%	30%													
0	9.5	9.5	9.5	9.5	8.9	8.9	8.9	8.9	8.5	8.5	8.5	8.1	8.1	8.1	7.9	7.9	0°	12514		
1	8.9	8.6	8.4	8.1	8.1	7.9	7.7	7.8	7.6	7.5	7.5	7.3	7.2	7.1	7.1	7.1	5°	12629	1216	
2	8.3	7.8	7.3	7.0	7.3	7.0	6.7	7.0	6.8	6.5	6.8	6.6	6.4	6.2	6.2	6.2	15°	13173	3733	
3	7.7	7.0	6.4	6.0	6.6	6.2	5.8	6.4	6.0	5.7	6.2	5.9	5.6	5.5	5.5	5.5	25°	12948	5937	
4	7.1	6.3	5.7	5.3	6.0	5.5	5.1	5.8	5.4	5.1	5.6	5.3	5.0	4.8	4.8	4.8	35°	11019	6856	
5	6.6	5.7	5.1	4.6	5.5	4.9	4.6	5.3	4.8	4.5	5.1	4.8	4.4	4.3	4.3	4.3	45°	7721	5934	
6	6.1	5.2	4.6	4.1	5.0	4.5	4.1	4.8	4.4	4.0	4.7	4.3	4.0	3.8	3.8	3.8	55°	3799	3346	
7	5.7	4.8	4.1	3.7	4.6	4.0	3.6	4.4	4.0	3.6	4.3	3.9	3.6	3.4	3.4	3.4	65°	957	1019	
8	5.3	4.4	3.7	3.3	4.2	3.7	3.3	4.1	3.6	3.3	4.0	3.6	3.2	3.1	3.1	3.1	75°	361	392	
9	5.0	4.0	3.4	3.0	3.9	3.4	3.0	3.8	3.3	3.0	3.7	3.3	2.9	2.8	2.8	2.8	85°	68	83	
10	4.7	3.7	3.1	2.7	3.6	3.1	2.7	3.5	3.0	2.7	3.4	3.0	2.7	2.8	2.8	2.8	90°	19	17	
																	105°	18	20	
																	115°	23	23	
																	125°	35	32	
																	135°	93	79	
																	145°	248	150	
																	155°	195	82	
																	165°	8	2	
																	175°	8	1	
																	180°	8		

Average luminance data		Output data		
Angle	Footlamberts	Zone	Lumens	%lamp
0°		0°-30°	10887	30.2
45°	109876	0°-40°	17743	49.3
55°	66649	0°-60°	27023	75.1
65°	22787	0°-90°	28518	79.2
75°	14035	90°-180°	405	1.1
85°	7851	0°-180°	28923	*80.3

\* Fixture Efficiency

THD 400S A15, leg position 2, 400W, clear high pressure sodium lamp, 50,000 rated lumens. Test No. LTL 13779.

Distribution curve		Coefficient of utilization													Distribution data					
p pc pw	70%	80%	50%	30%	10%	20%		50%	30%	10%	50%	30%	10%	50%	30%	10%	0%	Angle	cp.	Lumens
						50%	30%													
0	94	94	94	94	88	88	88	84	84	84	80	80	80	79	79	79	0°	12594		
1	87	84	81	79	79	77	75	76	74	73	73	72	70	69	69	69	5°	12488	1192	
2	80	74	70	66	70	66	63	67	64	62	65	62	60	59	59	59	15°	12702	3614	
3	73	66	60	55	62	57	54	60	56	53	58	54	52	50	50	50	25°	12901	5970	
4	67	58	52	47	55	50	46	53	49	45	52	48	44	43	43	43	35°	12695	7948	
5	62	52	45	40	49	44	40	48	43	39	46	42	39	37	37	37	45°	11757	9038	
6	57	47	40	35	45	39	34	43	38	34	42	37	34	32	32	32	55°	8741	7642	
7	53	42	35	31	40	35	30	39	34	30	38	33	30	28	28	28	65°	3169	3249	
8	49	38	32	27	37	31	27	36	30	27	35	30	27	25	25	25	75°	529	642	
9	46	35	29	24	34	28	24	33	28	24	32	27	24	22	22	22	85°	94	118	
10	43	32	26	22	31	25	22	30	25	22	29	25	21	20	20	20	90°	15	17	
																	105°	18	18	
																	115°	21	21	
																	125°	25	26	
																	135°	102	76	
																	145°	125	76	
																	155°	21	20	
																	165°	9	3	
																	175°	9	1	
																	180°	9		

Average luminance data		Output data		
Angle	Footlamberts	Zone	Lumens	%lamp
0°		0°-30°	10776	21.6
45°	167312	0°-40°	18724	37.4
55°	153351	0°-60°	35404	70.8
65°	75455	0°-90°	39412	78.8
75°	20567	90°-180°	258	0.5
85°	10853	0°-180°	39671	*79.3

\* Fixture efficiency



**Lithonia Lighting**  
 High Bay and Special Applications  
 One Lithonia Way, Conyers, GA 30012  
 Phone: 770-922-9000, 800-315-4963, Fax: 770-929-8789  
 www.lithonia.com