

Catalog Number	
Notes	Type

## 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.

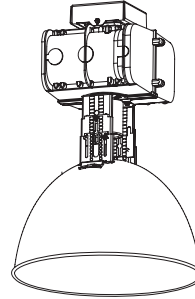
**INSTALLATION** — Pendant Splice Box — Removable cast-aluminum box slides on integral die-cast aluminum housing mounting flange and mounts to 3/4" pendant conduit prior to ballast housing installation. Matching wire access cover accepts Reloc modular wiring. Complete assembly meets or exceeds UL 50-pound 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).

## 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)

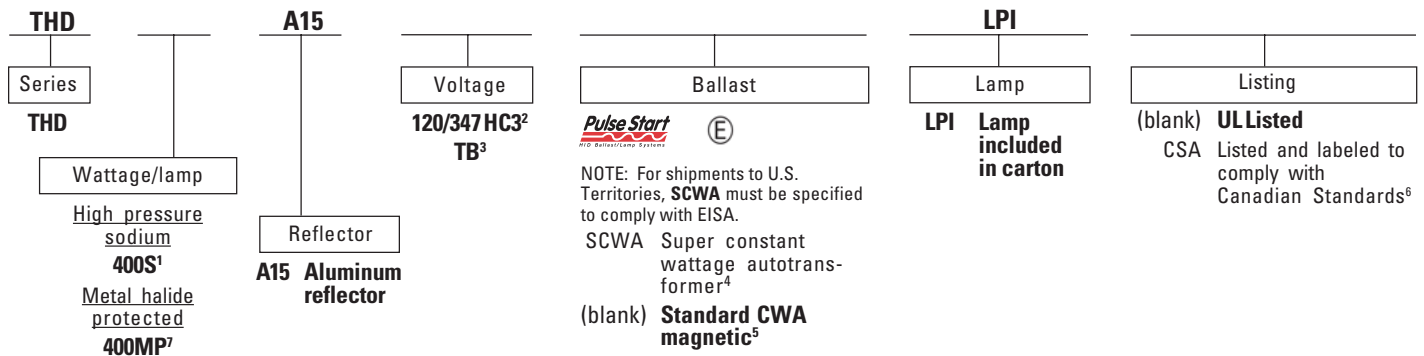
Weight: 21 lbs (10 kg)

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%		0%	Angle	cp.	Lumens	
						50%	30%	10%	50%	30%	10%	50%	30%					10%
0	95	95	95	95	95	89	89	89	85	85	85	81	81	81	79	0°	12514	
1	89	86	84	81	81	81	79	77	78	76	75	75	73	72	71	5°	12629	1216
2	83	78	73	70	73	70	67	70	68	65	68	66	64	62		15°	13173	3733
3	77	70	64	60	66	62	58	64	60	57	62	59	56	55		25°	12948	5937
4	71	63	57	53	60	55	51	58	54	51	56	53	50	48		35°	11019	6856
5	66	57	51	46	55	49	46	53	48	45	51	48	44	43		45°	7721	5934
6	61	52	46	41	50	45	41	48	44	40	47	43	40	38		55°	3799	3346
7	57	48	41	37	46	40	36	44	40	36	43	39	36	34		65°	957	1019
8	53	44	37	33	42	37	33	41	36	33	40	36	32	31		75°	361	392
9	50	40	34	30	39	34	30	38	33	30	37	33	29	28		85°	68	83
10	47	37	31	27	36	31	27	35	30	27	34	30	27	28		90°	19	
																95°	15	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%		0%	Angle	cp.	Lumens	
						50%	30%	10%	50%	30%	10%	50%	30%					10%
0	94	94	94	94	88	88	88	84	84	84	80	80	80	79	0°	12594		
1	87	84	81	79	79	77	75	76	74	73	73	72	70	69	5°	12488	1192	
2	80	74	70	66	70	66	63	67	64	62	65	62	60	59	15°	12702	3614	
3	73	66	60	55	62	57	54	60	56	53	58	54	52	50	25°	12901	5970	
4	67	58	52	47	55	50	46	53	49	45	52	48	44	43	35°	12695	7948	
5	62	52	45	40	49	44	40	48	43	39	46	42	39	37	45°	11757	9038	
6	57	47	40	35	45	39	34	43	38	34	42	37	34	32	55°	8741	7642	
7	53	42	35	31	40	35	30	39	34	30	38	33	30	28	65°	3169	3249	
8	49	38	32	27	37	31	27	36	30	27	35	30	27	25	75°	529	642	
9	46	35	29	24	34	28	24	33	28	24	32	27	24	22	85°	94	118	
10	43	32	26	22	31	25	22	30	25	22	29	25	21	20	90°	15		
																95°	16	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



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