

Catalog Number	
Notes	Type

FEATURES & SPECIFICATIONS

INTENDED USE — Use in high mounting heights that require high efficiencies, horizontal illumination, premium glare control and total enclosure. Ideal for heavy manufacturing areas, gymnasiums and wet location applications.

CONSTRUCTION — Housing — Vertically seamed, 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 powder paint.

OPTICAL SYSTEM — One-piece totally enclosed and gasketing Arc Tek II™ spun aluminum, anodized reflector combines high efficiency with extended shielding angle for high performance optical control. Clear tempered glass lens is fully gasketed to inhibit the entrance of ambient contaminants. Lens assembly is hinged and latched to allow access for easy maintenance. 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 350-450W (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 socket with copper alloy, nickel-plated screw shell and center contact. UL Listed 1500W, 600V, 5KV pulse rated.

INSTALLATION — Ballast Housing — 16-gauge galvanized steel pendant splice box with white polyester powder finish. Removable 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.

Optical 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 slot pattern for vibration resistant mounting.

LISTING — UL listed -30°C to 55°C ambient operations and damp locations, 65°C available. UL Listed to US and Canadian safety standards (see Options). NOM Certified (see Options). 750M, 875M and 1000M pulse start -30°C to 40°C.

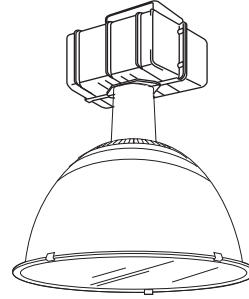
High Bay Industrial Lighting

TE E22

ALUMINUM OPTICAL

Metal Halide
350W - 1000W
High Pressure Sodium
400W - 1000W

25' to 45' mounting



Specifications

Height: 24-3/8 (61.9)
Reflector Height: 17-3/8 (44.2)
Width: 23 (58.4)
Weight: 50lbs (22.7 kg)

All dimensions are inches (centimeters) unless otherwise specified.

ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

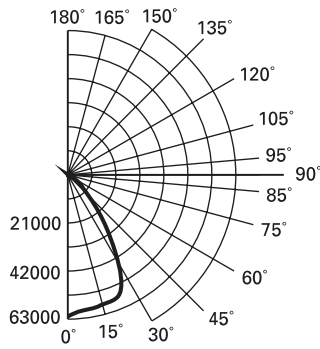
Example: TE 1000M E22 M 120

TE	E22	Distribution	Voltage	Ballast ⁶	Options
Series	Reflector				
TE	E22	N Narrow (350M-875M, 400S-1000S only)	120 208 ¹ 240 ¹	(blank) Standard magnetic ballast	Shipped installed in fixture SF Single fuse (120, 277, 347V) ⁷ DF Double fuse (208, 240, 480V) ⁷ EC Emergency circuit ^{8,9} QRS Quartz restrike system ^{8,9} QRSTD QRS time delay ^{8,9} HA 65°C ambient operation ¹⁵ CR Corrosion-resistant finish TOB Through-wire outlet box TOBP Through-wire outlet box plug-in ⁷ PBP Pendant box plug-in ⁷ LCPP Loop, cord, plug requires TPH, PPH ^{7,10,13} LC3P Loop, 3' cord, 15A NEMA twistlock plug ^{7,10,13} HC3P Hook, 3' cord, 15A NEMA twistlock plug ^{7,10,13} LOCS Loop, 5' white cord, RELOC OCS ^{7,11,13} HOCS Hook, 5' white cord, RELOC OCS ^{7,11,13} LOCU Loop, 5' white cord, RELOC OCU ^{6,7,10,11,12,13} HOCU Hook, 5' white cord, RELOC OCU ^{6,7,10,11,12,13}
Wattage/lamp		C Concentrating M Medium (1000M only) S Spread (1000M only)	277 347 480 ¹ TB ²	CWI Constant wattage isolated MRB Magnetic regulator ballast	
High pressure sodium				NOTE: For shipments to U.S. Territories, SCWA must be specified to comply with EISA. Excludes 1000W.	TR Remote ballast RC3NP TR with prewired 3' cord ^{7,13} WL Wet location UL label STSS Stainless steel screws SLR Stainless steel lens ring CF Charcoal filter ENC Encapsulated CWA ballast (120, 277, 347V) KW1 KiloWatch® 120V control relay ^{6,13} KW4 KiloWatch 277V control relay ^{6,13} KW150 KiloWatch 120V control relay-50% light output ^{6,13} KW450 KiloWatch 277V control relay-50% light output ^{6,13} KW1S KiloWatch II with integral sensor WG Wireguard CSA Listed and labeled to comply with Canadian Standards NOM NOM Certified (Consult factory)
400S 1000S				SCWA Super constant wattage autotransformer	
Metal halide				RLB Regulated lag ballast	
350M ¹⁴ 750M				SCWI Isolated SCWA	
400M ¹⁴ 875M					
450M ¹⁴ 1000M					
Accessories					
Order as separate catalog number.					
HKF	Fixture hook female ¹³				
LPF	Fixture loop female ¹³				
SCK	60" safety chain kit ¹³				
TMB	Twin-mounting bar (consult factory) ¹³				
HKM	Fixture hook male ¹³				
HKMG	Grommeted fixture hook male ¹³				
LPM	Fixture loop male ¹³				
LPMG	Grommeted fixture loop male ¹³				
TPH	Throughwire power hook ¹³				
TPHKR	Throughwire power hook for KiloWatch® System ¹³				
PPH	Pendant power hook ¹³				
PPHKR	Pendant power hook for KiloWatch System ¹³				
WKLTCGAGE	Temporary worklight cage				
NOTES: 1 Requires CWI or RLB option in Canada for MH. Available in 175-400W. 2 Requires CWI or MRB option in Canada for HPS. Available in 70-400W. 3 220V and 240V 50Hz and 60Hz ballasts available for use with U.S. metal halide lamps. 4 Optional multi-tap ballast (120, 208, 240, 277V). For voltage specific options specify tap position (TB1=120V, TB2=208V, TB3=240V, TB4=277V). 5 Available for shipments outside of U.S. only. 6 For specific ordering information, see Product Selection Guide. 7 Must specify voltage or tap position. 8 Lamp not included. 9 See Product Selection Guide (QRS Lamp Wattage Table) for maximum lamp wattage. 10 20A standard 480V. 11 May be ordered with 10', 15' and 20' cords. For black cord, specify BK (i.e. HOCBCK). 12 When using RELOC with KiloWatch, LOCU or HOCU option must be used with TAP1KW, TAP3KW or TAP13KW. Consult factory for 208, 240, 480V. 13 Not available with wet location (WL) option. 14 In order to comply with California Title 20 regulations for metal halide fixtures, these metal halide wattages must be ordered with KW1S option for sale to California. 15 Not available on 750M, 875M and 1000M pulse start.					

TE Metal Halide, High Pressure Sodium, High Bay

TE 1000M E22C, (concentrating), 1000W, clear Metal Halide lamp, 110,000 rated lumens. Test No. 11965.

Distribution curve



pf	Coefficient of utilization														
	70%	80%	30%	10%	50%	20%	50%	30%	10%	50%	30%	10%	50%	30%	10%
0	90	90	90	90	84	84	84	80	80	80	80	77	77	77	75
1	85	83	80	79	78	76	75	75	74	73	72	71	70	69	69
2	80	76	72	69	72	69	67	70	67	66	67	66	64	63	63
3	75	70	65	62	66	63	60	65	62	59	63	60	58	57	57
4	71	64	59	56	61	58	55	60	57	54	58	56	53	52	52
5	66	59	54	50	57	53	50	56	52	49	54	51	49	48	48
6	62	55	50	46	53	49	45	52	48	45	51	47	45	44	44
7	59	51	46	42	49	45	42	48	44	41	47	44	41	40	40
8	55	47	42	39	46	42	38	45	41	38	44	41	38	37	37
9	52	44	39	36	43	39	35	42	38	35	42	38	35	34	34
10	49	41	36	33	40	36	33	40	36	33	39	35	33	32	32

Distribution data

Angle	cp.	Lumens
0°	61829	
5°	59816	5682
15°	58633	16592
25°	55067	25496
35°	31131	19550
45°	12520	9691
55°	5908	5300
65°	591	586
75°	226	239
85°	99	108
90°	72	
95°	0	0
105°	0	0
115°	0	0
125°	0	0
135°	0	0
145°	0	0
155°	0	0
165°	0	0
175°	0	0
180°	0	0

Average luminance data

Angle	Footlamberts
55°	3279
65°	444
75°	282
85°	365

Output data

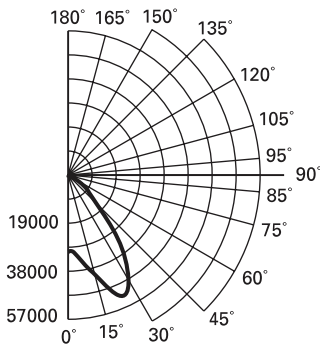
Zone	Lumens	%lamp
0°-30°	47740	43.4
0°-40°	67320	61.2
0°-60°	82280	74.8
0°-90°	83270	75.7
90°-180°	0	0.0
0°-180°	83270	*75.7

Spacing criterion: 1.0
Spacing-to-mounting height: 1.1

* Fixture efficiency

TE 1000M E22S, (spread), 1000W, clear Metal Halide lamp, 110,000 rated lumens. Test No. 11967.

Distribution curve



pf	Coefficient of utilization														
	70%	80%	30%	10%	50%	20%	50%	30%	10%	50%	30%	10%	50%	30%	10%
0	90	90	90	90	84	84	84	80	80	80	80	77	77	77	75
1	85	82	80	78	77	76	74	75	73	72	72	71	70	68	68
2	79	75	71	68	71	68	66	69	66	64	66	64	63	61	61
3	74	68	63	60	65	61	58	63	60	57	61	58	56	55	55
4	69	62	57	53	59	55	52	58	54	51	56	53	51	49	49
5	64	57	51	47	54	50	46	53	49	46	52	48	45	44	44
6	60	52	46	42	50	45	42	49	45	41	48	44	41	40	40
7	56	47	42	38	46	41	38	45	41	37	44	40	37	36	36
8	52	44	38	34	42	38	34	41	37	34	41	37	34	33	33
9	49	40	35	31	39	34	31	38	34	31	38	34	31	30	30
10	46	37	32	29	36	32	28	36	31	28	35	31	28	27	27

Distribution data

Angle	cp.	Lumens
0°	30318	
5°	31077	2951
15°	40601	11490
25°	52477	24297
35°	38768	24346
45°	15563	12046
55°	8052	7223
65°	730	726
75°	243	257
85°	50	54
90°	31	
95°	0	0
105°	0	0
115°	0	0
125°	0	0
135°	0	0
145°	0	0
155°	0	0
165°	0	0
175°	0	0
180°	0	0

Average luminance data

Angle	Footlamberts
55°	4467
65°	549
75°	295
85°	182

Output data

Zone	Lumens	%lamp
0°-30°	38720	35.2
0°-40°	63140	57.4
0°-60°	82390	74.9
0°-90°	83380	75.8
90°-180°	0	0.0
0°-180°	83380	*75.8

Spacing criterion: 1.4
Spacing-to-mounting height: 1.6

* Fixture efficiency