



NEW PRODUCT RELEASE:

The ETC-250 Plus

Features

- Increased light output (mean lumens at 95% of initial lumens)
- Reduced energy costs by greater than 50% over traditional core and coil magnetic ballasts
- Increased lamp life by more than 30%
- Dimming allows for light harvesting and further energy reductions

Specifications

- Input Voltage: 120-347V
- Input Frequency 50/60Hz
- Power Factor: 0.996
- Low THD: <5%
- Crest Factor: <1.43
- RF (optional): 400/900 MHz
- Min. Start Temperature -22°F, -30°C
- Max. Ambient Temperature: 150°F, 65°C
- Max. Case Temperature: 167°F, 75°C

Performance

- Short Circuit Operation Protection
- High temperature cut off: 70C
- Cycle by cycle protection
- Re-strike protection
- Radio interference suppression
- End of lamp life shut-off
- Power supply regulation

Regulatory/Certifications

- CSA, UL, ULC Listed
- FCC Part 18 limits for EMI/RFI

Physical Dimensions

- HID320MH: 22" Diameter x 29" Length
- HID600MH: 25" Diameter x 29" Length

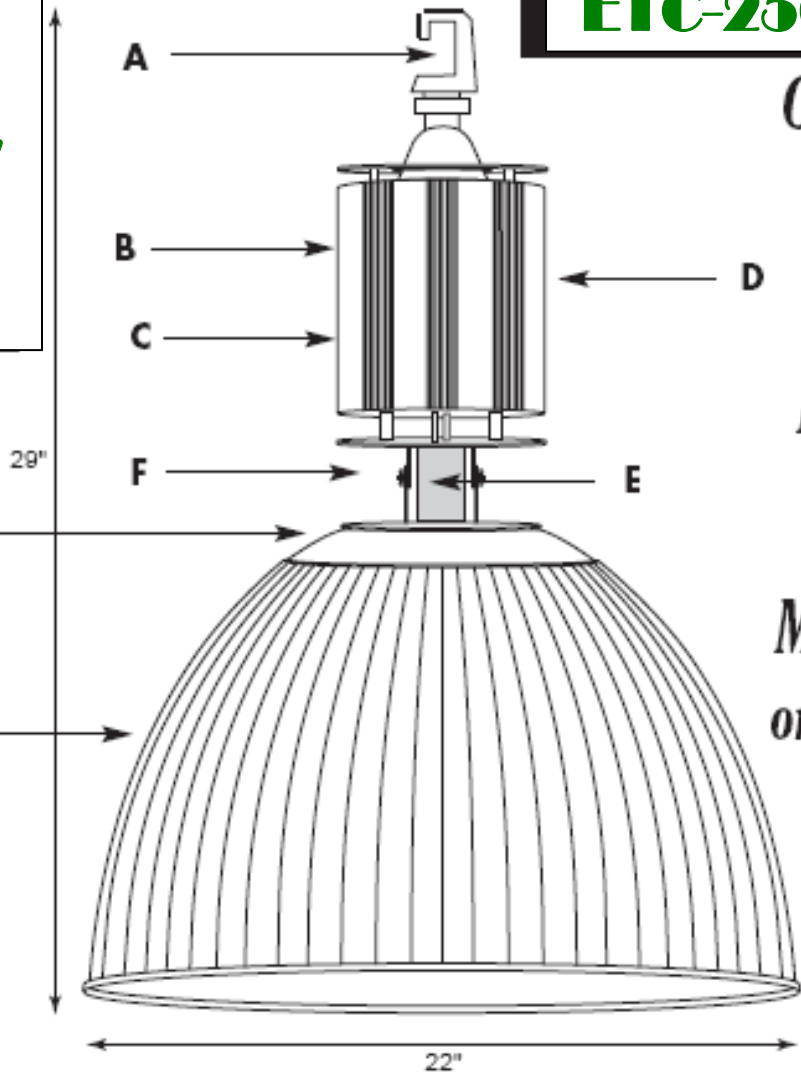
Warranty

- 3 Year Limited warranty



NEW PRODUCT RELEASE :

250w



ETC-250 Plus

*Outstanding
Reliability*

*Highest
Maintained
Lumens*

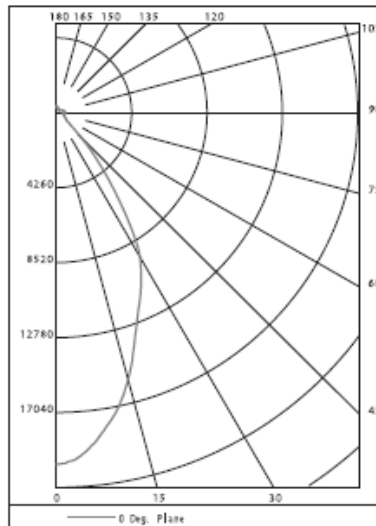
*Most Efficient
on the Market*



ETC-250 Plus

Photometrics

Candela Plot



Zonal Lumen Summary

Zone	Lumens	%Lamp	% Fixtures
0-30	11348	47.7	53.8
0-40	15397	64.7	73.0
0-60	17613	74.0	83.5
0-90	19032	80.0	90.2
90-120	1276	5.4	6.0
90-130	1495	6.3	7.1
90-150	1828	7.7	8.7
90-180	2066	8.7	9.8
0-180	21098	88.6	100.0

Total Luminaire Efficiency = 88.6%

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

RC	80				70				50				30				10				0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10				
0	103	103	103	103	100	100	100	100	94	94	94	88	88	88	82	82	82	80			
1	97	94	92	89	94	92	89	87	86	85	83	82	80	79	77	76	75	73			
2	92	87	83	80	89	85	81	78	81	78	75	77	74	72	73	71	70	68			
3	87	81	76	73	85	79	75	72	76	72	69	72	70	67	69	67	65	63			
4	83	76	71	67	81	74	70	66	71	67	64	68	65	63	66	63	61	59			
5	79	71	66	62	77	70	65	61	67	63	60	65	61	58	62	59	57	55			
6	75	67	61	57	73	65	60	57	63	59	56	61	57	55	59	56	54	52			
7	71	62	57	53	69	61	56	53	59	55	52	58	54	51	56	53	50	49			
8	67	59	53	49	66	58	53	49	56	52	48	54	51	48	53	50	47	46			
9	64	55	50	46	62	54	49	46	53	48	45	51	47	44	50	46	44	43			
10	61	52	46	43	59	51	46	43	50	45	42	48	44	42	47	44	41	40			

Lamp Info

Venture Uni-Form® M153 ED28 Pulse Start Coated Lamp

Lamp reference	MP150W	MP200W	MP250W	MP320W
Wattage	150W	200W	250W	320W
Lamp voltage	132 V	132 V	133 V	135 V
Initial lumens	13300 lm	20000 lm	23800 lm	29000 lm
Mean lumens	12635 lm	19000 lm	22600 lm	27550 lm
Luminous efficacy	90 lm/W	90 lm/W	90 lm/W	86 lm/W
Color temperature	3700 K	3700 K	3700 K	3700 K
Average life	15000 h	15000 h	15000 h	15000 h
Color rendering index R	70	70	70	70