

## LED AND DRIVER SPECIFICATION SHEETS



## **LED FEATURES**

- Cree TrueWhite<sup>®</sup> Technology; >90 CRI for all available CCTs (2700 K)
- >95 LPW Light Soure Efficacy
- 850 & 1250 Lumens Nominal
- Power input: 120V
- Dimming options include: Triac dimming
- Supports dimming to 5%
- UL Approved
- California Title 24 compliance (120V)
- LED LM-80 data available
- Available in 2700 K
- >90 CRI for all CCTs
- 5-year Limited System Warranty
- Designed to last 50,000 hours at L<sub>70</sub>
- No UV in light ouput
- No Mercury In light source

# CORD BALLAST CANOPY



# GOOSENECK BALLAST CANOPY



# STEM BALLAST CANOPY

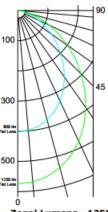


## **PHOTOMETRY**

## With Flat Lens

Intensity (Candlepower)

(Candiepower)				
Angle	850	1250		
0°	402	575		
5°	399	571		
15°	375	539		
25°	331	479		
35°	270	394		
45°	202	297		
55°	136	202		
65°	79	118		
75°	30	45		
85°	3	5		
90°	0	0		



HY//N	
\\\ <b>X</b> \\	
KNYLL	
$\sqcap \setminus \setminus X$	
1 45	
HTXV	
$H \rightarrow V$	
\ \ \	
)	
onal Lumens - 1250	)
	onal Lumens - 1250

		_	
Intensity andlepow	er)		=
850	1250		Ž
309	461		2
307	457	$        \rangle \rangle \langle $	1
297	442	200	\
272	405	X	_
229	339	850 in	
177	262	Dome Lens	١
126	187	\_	_
84	124	400	
53	78	1250 im	
34	50	\	_
27	39		١
		600	7
	350 309 307 297 272 229 177 126 84 53 34	andlepower)  850 1250  309 461  307 457  297 442  272 405  229 339  177 262  126 187  84 124  53 78  34 50	309 461 307 457 297 442 272 405 229 339 177 262 126 187 84 124 53 78 34 50 27 39

With Dome Lens

Zona	Lum	ene	-	850

Zone	Lumens	%
0-30°	295	34
0-40°	464	54
0-60°	742	87
0-90°	858	100
0-180°	858	100

Zonal Lumens - 1250	
---------------------	--

		- 1		
Lumens	%		Zone	
426	34		0-30°	
672	54		0-40°	
1082	86		0-60°	
1256	100		0-90°	
1256	100		0-180°	
	426 672 1082 1256	426 34 672 54 1082 86 1256 100	426 34 672 54 1082 86 1256 100	426 34 0-30° 672 54 0-40° 1082 86 0-60° 1256 100 0-90°

Zonal Lumens - 850

Zone	Lumens	%
0-30°	233	27
0-40°	375	44
0-60°	631	73
0-90°	818	95
0-180°	862	100

Zonai Lumens - 1250			
Zone	Lumens	%	
0-30°	349	27	
0-40°	561	44	
0-60°	945	73	
0-90°	1224	95	
0-180°	1289	100	

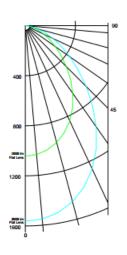
105

90

45

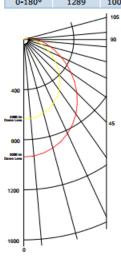
# Intensity (Candlepower)

Angle	2000	3000
00	1043	1563
5°	1034	1551
15°	967	1456
25°	840	1263
35°	661	987
45°	464	688
55°	293	433
65°	166	245
75°	73	110
85°	11	17
90°	0	0



# Intensity

(Candiepower)							
Angle	Angle 2000 3000						
0°	683	1008					
5°	680	1003					
15°	654	965					
25°	603	890					
35°	527	781					
45°	435	645					
55°	334	496					
65°	237	354					
75°	158	236					
85°	101	153					
90°	79	120					





## **DRIVER FEATURES**

Input voltage: 120V

• TRIAC dimming support for 120V

• Optimized for Cree LMH2 850 lumens & 1250 lumens light sources

### **CHARACTERISTICS - LMD125 120-V DRIVER**

Order Code: LMD125-0018-C440-1010000

Characteristics	Unit	Minimum	Typical	Maximum
Input voltage range	VAC	108	120	132
Input power	W			18
Output current	mA		440	
Output voltage	V	21		35
Driver efficacy (@ 55 °C) - with LMH2 850-lm light source	%		80	
Driver efficacy (@ 55 °C) - with LMH2 1250-lm light source	%		81	
Power factor - with LMH2 850-lm light source			0.97	
Power factor - with LMH2 1250-lm light source			0.99	
LED driver case temperature	°C	0		80

### **DIMMING**

The LMH2 850- and 1250-Im light sources combined with the LMD125 120- and 230-V drivers work with standard leading- and trailing-edge dimming technologies to reduce light levels down to 5%.

Driver	Input Voltage	Dimming	Lowest Light Level
LMD125	120 V	TRIAC	5%
	230 V	TRIAC	5%
	277 V	None	

**Note** - Most residential dimmers are designed to control 600 to 1000 watts of power with standard lighting technologies, i.e., incandescent and halogen. Because the LMH2 LED module has a much higher efficacy (lumens per watt) than standard lighting fixtures, it requires much less power. There may be some cases that require the use of more than one LMH2 LED module or lighting fixture on a single dimmer to achieve the minimum dimmer load. This depends heavily upon the particular dimmer used. Partial lists of compatible dimmers are provided below.

## 120-VAC Dimmer Compatibility

Manufacturer	Model/Series	Part Number	Туре	Compatible with 1 LMH2	Compatible with 2 LMH2s
Cooper	Rotary	6020	IND	✓	✓
	Aspire	9530	IND	✓	✓
	Aspire	9534WS-K-L	IND/MLV		✓
	Aspire	9540WS	IND/MLV	✓	✓
	Devine	DI06P-V	IND	✓	✓
	Devine	DI10P	IND	✓	✓
	React	RI061-V	IND	✓	✓
	React	RI06P-LA	IND	✓	✓
	Skye	SI06P	IND/MLV	✓	✓
	Skye	SI061-V	IND	✓	✓
	Skye	SI10P	IND/MLV	✓	✓
	Trace	TI061-W	IND	✓	✓
Leviton	Trimitron	6602	IND	✓	✓
	Acenti	AT106-1LW	IND	✓	✓
	Illumatech	IPI06	IND	✓	✓
	Vizia	RP106	IND	✓	✓

Manufacturer	Model/Series	Part Number	Туре	Compatible with 1 LMH2	Compatible with 2 LMH2s
Lutron	Ariadni	AY-600P	IND	✓	✓
	Ceana	CN-600P	IND	✓	✓
	Ceana	CNLV-V-600P	MLV	✓	✓
	Centurion	C-600	IND	✓	✓
	Decora	VPI06-1LW	IND	✓	✓
	Dial Dimmer	D-600	IND	✓	✓
	Diva	DV-600P	IND	✓	✓
	Diva	DV-10P	IND	✓	✓
	Diva	DVELV-300P	ELV	✓	✓
	Diva	DVF-103P	FLR	✓	✓
	Diva	DVLV-600P	MLV	✓	✓
	Diva	DVWCL-153DH	CFL/LED	✓	✓
	Glyder	GL-600H	IND/MLV	✓	✓
	Lumea	LG-603PG	IND	✓	✓
	Lyneo	LX-600PL	IND	✓	✓
	Maestro	MA-1000	IND	✓	✓
	Maestro	MALV-1000	MLV	✓	✓
	Maestro	MAW-600	IND	✓	✓
	Maestro	MRF-600M	IND		✓
	Nova	N-600	IND	✓	✓
	Nova	NLV-1503P	MLV	✓	✓
	Nova T	NTB-600	IND	✓	✓
	Nova T	NT-603P	IND	✓	✓
	Nova T	NTELV-600	ELV	✓	✓
	Skylark	S-600	IND	✓	✓
	Skylark	S-600P	IND	✓	✓
	Skylark	SELV-300P	ELV	✓	✓
	Skylark	SLV-600P	MLV	✓	✓
	Sureslide	6673 <b>-</b> P	CFL	✓	✓
	Toggler	TG-600PH	IND	✓	¥
Pass and Seymour	Decorator	LS600	IND	✓	✓
Wattstopper	Miro	MCD267-W	UNI	✓	✓

CFL = Compact fluorescent dimmer

ELV = Electronic low-voltage dimmer

FLR = Fluorescent dimmer

IND = Incandescent dimmer

LED = Light emitting diode dimmer

MLV = Magnetic low-voltage dimmer

UNI = Universal dimmer