



POWERED BY: **CREE**

LED AND DRIVER SPECIFICATION SHEETS

LED FEATURES

- Cree TrueWhite® Technology; >90 CRI for all available CCTs (2700 K to 4000 K)
- >95 LPW Light Source Efficacy
- 850, 1250, 2000, 3000 & 4000 Lumens Nominal
- Power input: 120V
- Dimming options include: 1-10V/0-10V, DALI and DALI Touch Dimming
- Supports dimming to 5%
- UL Approval
- 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 L₇₀
- No UV in light output
- No Mercury in light source

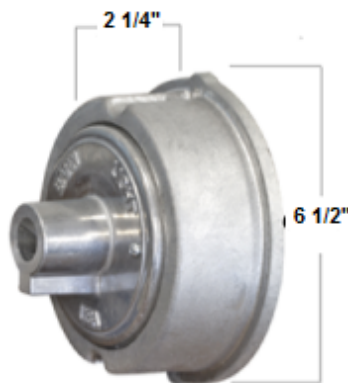


*2000, 3000 & 4000 Lumens take Dome Lens Only

CORD



GOOSENECK



STEM

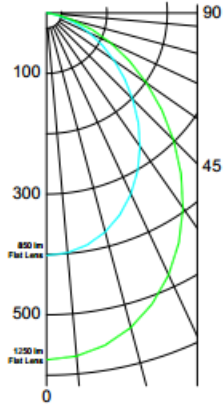


PHOTOMETRY

With Flat Lens

Intensity (Candlepower)

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



Zonal Lumens - 850

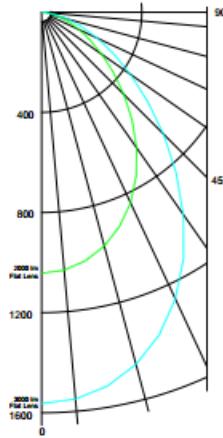
Zone	Lumens	%
0-30°	295	34
0-40°	464	54
0-60°	742	87
0-90°	858	100
0-180°	858	100

Zonal Lumens - 1250

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

Intensity (Candlepower)

Angle	2000	3000
0°	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



Zonal Lumens - 2000

Zone	Lumens	%
0-30°	742	37
0-40°	1151	57
0-60°	1884	94
0-90°	2000	100
0-180°	2000	100

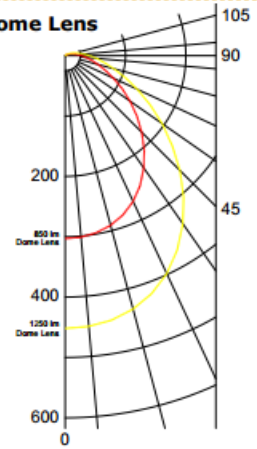
Zonal Lumens - 3000

Zone	Lumens	%
0-30°	1082	36
0-40°	1651	55
0-60°	2646	88
0-90°	3000	100
0-180°	3000	100

With Dome Lens

Intensity (Candlepower)

Angle	850	1250
0°	309	461
5°	307	457
15°	297	442
25°	272	405
35°	229	339
45°	177	262
55°	126	187
65°	84	124
75°	53	78
85°	34	50
90°	27	39



Zonal Lumens - 850

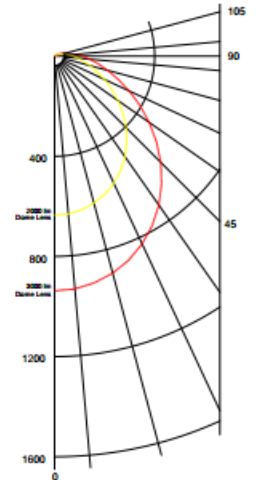
Zone	Lumens	%
0-30°	233	27
0-40°	375	44
0-60°	631	73
0-90°	818	95
0-180°	862	100

Zonal Lumens - 1250

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

Intensity (Candlepower)

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



Zonal Lumens - 2000

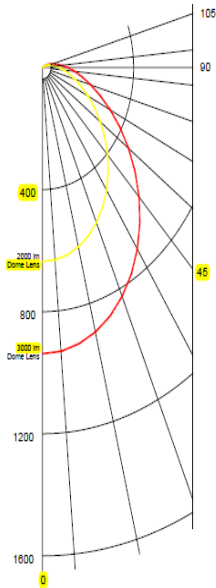
Zone	Lumens	%
0-30°	1151	57
0-40°	1751	87
0-60°	2884	144
0-90°	3000	150
0-180°	3000	150

Zonal Lumens - 3000

Zone	Lumens	%
0-30°	1716	57
0-40°	2626	87
0-60°	4326	144
0-90°	3000	100
0-180°	3000	100

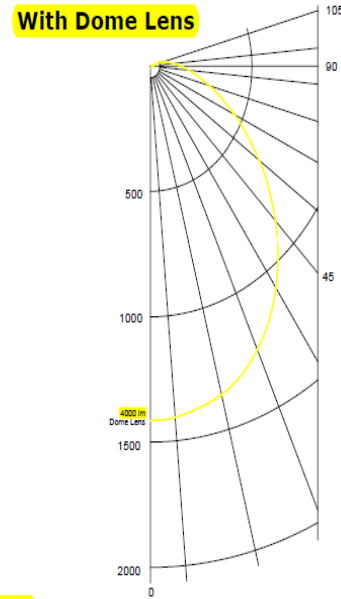
**Intensity
(Candlepower)**

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



**Intensity
(Candlepower)**

Angle	4000
0°	1414
5°	1407
15°	1357
25°	1249
35°	1080
45°	873
55°	656
65°	458
75°	301
85°	192
90°	151



Zonal Lumens - 2000

Zone	Lumens	%
0-30°	527	25
0-40°	856	40
0-60°	1490	70
0-90°	2006	94
0-180°	2129	100

Zonal Lumens - 3000

Zone	Lumens	%
0-30°	777	25
0-40°	1266	40
0-60°	2207	70
0-90°	2977	94
0-180°	3165	100

Zonal Lumens - 4000

Zone	Lumens	%
0-30°	785	18
0-40°	1422	33
0-60°	2751	64
0-90°	4030	94
0-180°	4275	100

Cree® LMD300, LMD400 & LMD600 LED Module Drivers



DRIVER FEATURES

- Input voltage: 120V
- TRIAC dimming support for 120V
- Optimized for Cree LMH2 850 Lumens & 1250 lumens light sources

*Higher Lumens: 2000, 3000 & 4000
0-10 Dimming-Low Voltage
Additional wiring required

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

CHARACTERISTICS - LMD400 120- TO 277-V 0/1-10 V DIMMING DRIVER

Order Code: LMD400-0048-C940-7030000

Characteristics	Unit	Minimum	Typical	Maximum
Input voltage range	VAC	108		305
Input power	W			48
Output current	mA		940	
Output voltage	V			22-44
Driver efficiency (@ 55 °C) - with LMH2 2000-lm light source	%		85	
Driver efficiency (@ 55 °C) - with LMH2 3000-lm light source	%		86	
Driver efficiency (@ 55 °C) - with LMH2 4000-lm light source	%		87	
Power factor - with LMH2 2000-lm light source			0.95	
Power factor - with LMH2 3000-lm light source			0.95	
Power factor - with LMH2 4000-lm light source			0.95	
LED driver case temperature	°C	0		90

Dimming

The LMH2 2000-, 3000- and 4000-lm light sources can use the LMD300 LED module driver with either DALI + Touch dimming or 0/1-10 V dimming and use the LMD400 LED module driver with 0/1-10 V dimming

Driver	Input Voltage	Dimming	Lowest Light Level
LMD300-0040-C900-8030000	100-240 V	0/1-10 V	10%
LMD300-0040-C900-7030000	120-277 V	0/1-10 V	10%
LMD300-0040-C900-2030000	220-240 V	0/1-10 V	10%
LMD300-0040-C900-2020000	220-240 V	DALI + Touch	10%
LMD400-0048-C940-7030000	120-277 V	0/1-10 V	10%
LMD600-0100-C1A7-7030000	100-277 V	0/1-10 V	1%