

Constitution EPCO Series

LED Post Top Lighting



Project Name _____

Date _____ Type _____

Notes _____

GLI Brands Utility Roadway Representatives Exclusively

- Reliable, uniform, glare free illumination
- Types I, II, III, IV Wide, V, V Square and V Wide distributions
- Amber, 3000K, 4000K, 5000K CCT
- 0-10V dimming ready
- Integral Surge protection: 10k in parallel, 20k in series

CONSTRUCTION

Housing:	Aluminum 360 alloy
Lens:	LED engine, TIR optics, gasket and bezel plate
Paint:	Cast Aluminum, Black, Dark Bronze, RAL & Customer colors available
Weight:	29lbs. (13.2kg)

OPTICAL SYSTEM

Lumens:	2,200 – 7,700
Distribution:	Type I, Type II, Type III, Type IV Wide, Type V Square & Type V Wide
Efficacy:	29-125.5 LPW
CCT:	Amber, 3000K, 4000K, & 5000K
CRI (Min):	70

ELECTRICAL

Input Voltage:	120-277V
Input Frequency:	50/60Hz
Power Factor:	>0.95 @ Full Load 120-277V
Total Harmonic Distortion:	<10% @ Full Load 120-277V

SURGE PROTECTION*

Standard	Optional
10kV/5kA	20kV/10kA

*Per ANSI C136.2-2015

WARRANTY

5 Year (Standard)

10 Year (Optional)

LUMEN MAINTENANCE

Projected Lxx per IES TM-21 at 25°C

SKU	LXX(10K) @ Hours		
	25,000 HR	50,000 HR	60,000 HR
EPCO	L98	L95	L94

Note: Projected LXX based on LM80 (> 10,000 hour testing). Accepted Industry tolerances apply to initial luminous flux and lumen maintenance measurements.

AMBIENT TEMPERATURE FACTOR

Ambient Temp (°C)	Initial Flux Factor	Ambient Temp (°C)	Initial Flux Factor
10	1.02	30	0.99
20	1.01	40	0.98
25	1.00		

RATINGS

Operating Temperature:	-30°C to 40°C
Vibration:	Available upon request
LM-79:	Available upon request
EPA:	1.33

CONTROLS

Dimming:	Standard - 0-10V
Sensors:	Finial Location - Motion, Daylight Photo Control



EPCO 02

PROD. ID	GEN.	VOLTAGE	LUMEN OUTPUT	DISTRIBUTION	LENS	CCT	CONTROLS PER ANSI C136.41	MOUNTING	COLOR	OPTIONS
E = Evolve	02 = 2nd Gen	0 = 120-277V	295 = 4723 - 5632 No Lens, 3471 - 4128 Clear Lens, 2243 - 2473 Diffused Lens	A = Type I	NL = No Lens	AM = Amber-595nm Peak	1 = None	AD3 = Adapter for 3" pole	BLCK = Black	HS = House Side Shield
P = Post Top			525 = 4884 - 5775 No Lens, 5686 - 6780 Clear Lens, 3675 - 4050 Diffused Lens	B = Type II	CL = Clear Lens	30 = 3000K	A = 7-Pin Receptacle	AD5 = Adapter for 5" Pole	DKBZ = Dark Bronze	R = Secondary 10kV/5kA SPD
CO = Constitution			615 = 5528 - 6592 No Lens, 6491 - 7740 Clear Lens, 4195 - 4624 Diffused Lens	C = Type III*	DL = Diffused Lens	40 = 4000K	D = 7-Pin Receptacle with Shorting Cap			T = Secondary 20kV/10kA SPD
				E = Type IV, Wide		50 = 5000K	E = 7 Pin Receptacle with Long Life non-Dimming PE Control			XXX = Special Options
				F = Type V, Square						
				G = Type V, Wide*						

*Diffused lens only offered in C and G (DISTRIBUTION)

For additional information on EPCO IES files, please refer to LED.com

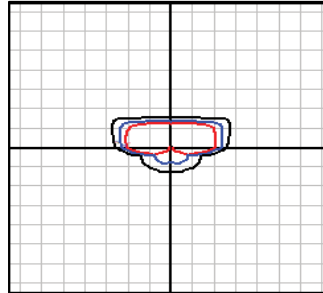
PERFORMANCE DATA

LUMEN OUTPUT	REFRACTOR		TYPICAL INITIAL LUMENS			BUG RATINGS		
	DIST CODE	CODE	3000K	4000K	5000K	3000K	4000K	5000K
295	A	NL	3807	3960	4128	B1-U0-G1	B1-U0-G1	B1-U0-G1
295	B		3596	3740	3899	B1-U0-G1	B1-U0-G1	B1-U0-G1
295	C		3471	3611	3764	B1-U0-G1	B1-U0-G1	B1-U0-G1
295	E		3501	3642	3796	B1-U0-G1	B1-U0-G1	B1-U0-G1
295	F		3818	3971	4140	B2-U0-G1	B2-U0-G1	B2-U0-G1
295	G		3529	3670	3826	B2-U0-G1	B2-U0-G1	B2-U0-G1
295	A	CL	3242	3373	3516	B1-U0-G1	B1-U0-G1	B1-U0-G1
295	B		3062	3186	3321	B1-U0-G1	B1-U0-G1	B1-U0-G1
295	C		2957	3075	3206	B1-U0-G1	B1-U0-G1	B1-U0-G1
295	E		2982	3102	3233	B1-U0-G1	B1-U0-G1	B1-U0-G1
295	F		3252	3382	3526	B2-U0-G1	B2-U0-G1	B2-U0-G1
295	G		3005	3126	3259	B2-U0-G1	B2-U0-G1	B2-U0-G1
295	C	DL	2243	2334	2433	B1-U0-G1	B1-U0-G1	B1-U0-G1
295	G		2280	2372	2473	B1-U0-G1	B1-U0-G1	B1-U0-G1
525	A	NL	6235	6486	6761	B1-U0-G1	B1-U0-G1	B1-U0-G1
525	B		5889	6126	6386	B1-U0-G1	B1-U0-G1	B1-U0-G1
525	C		5686	5914	6165	B1-U0-G2	B1-U0-G2	B1-U0-G2
525	E		5734	5965	6218	B1-U0-G2	B1-U0-G2	B1-U0-G2
525	F		6253	6504	6780	B2-U0-G1	B2-U0-G1	B3-U0-G1
525	G		5779	6012	6267	B3-U0-G1	B3-U0-G1	B3-U0-G1
525	A	CL	5311	5524	5758	B1-U0-G1	B1-U0-G1	B1-U0-G1
525	B		5016	5218	5439	B1-U0-G1	B1-U0-G1	B1-U0-G1
525	C		4842	5037	5251	B1-U0-G1	B1-U0-G1	B1-U0-G1
525	E		4884	5080	5296	B1-U0-G2	B1-U0-G2	B1-U0-G2
525	F		5326	5540	5775	B2-U0-G1	B2-U0-G1	B2-U0-G1
525	G		4922	5120	5337	B3-U0-G1	B3-U0-G1	B3-U0-G1
525	C	DL	3675	3822	3984	B1-U0-G1	B1-U0-G1	B1-U0-G1
525	G		3735	3885	4050	B2-U0-G1	B2-U0-G1	B2-U0-G1
615	A	NL	7118	7404	7718	B1-U0-G1	B1-U0-G1	B1-U0-G1
615	B		6723	6994	7290	B1-U0-G1	B1-U0-G2	B1-U0-G2
615	C		6491	6752	7038	B1-U0-G2	B1-U0-G2	B1-U0-G2
615	E		6546	6809	7098	B1-U0-G2	B1-U0-G2	B1-U0-G2
615	F		7138	7425	7740	B3-U0-G1	B3-U0-G1	B3-U0-G1
615	G		6598	6863	7154	B3-U0-G1	B3-U0-G1	B3-U0-G1
615	A	CL	6063	6306	6574	B1-U0-G1	B1-U0-G1	B1-U0-G1
615	B		5726	5956	6209	B1-U0-G1	B1-U0-G1	B1-U0-G1
615	C		5528	5750	5994	B1-U0-G1	B1-U0-G1	B1-U0-G2
615	E		5575	5800	6045	B1-U0-G2	B1-U0-G2	B1-U0-G2
615	F		6080	6324	6592	B2-U0-G1	B2-U0-G1	B2-U0-G1
615	G		5619	5845	6093	B3-U0-G1	B3-U0-G1	B3-U0-G1
615	C	DL	4195	4364	4549	B1-U0-G1	B1-U0-G1	B1-U0-G1
615	G		4264	4436	4624	B2-U0-G1	B2-U0-G1	B2-U0-G1

EPCO-02-615-A-40-NL

LUMINAIRE DATA

Description	4000 Kelvin, 70CRI
Delivered Lumens	7406
Watts	70.25
Efficacy	105
IES Type	I
BUG Rating	B1-U0-G1
Mounting Height	15 ft
Grid Scale	15 ft



15' Mounting Height

1.0 FC

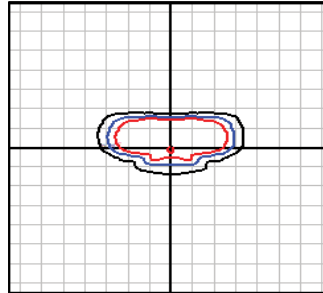
0.5 FC

0.2 FC

EPCO-02-615-B-40-NL

LUMINAIRE DATA

Description	4000 Kelvin, 70CRI
Delivered Lumens	6995
Watts	70.25
Efficacy	100
IES Type	II
BUG Rating	B1-U0-G2
Mounting Height	15 ft
Grid Scale	15 ft



15' Mounting Height

1.0 FC

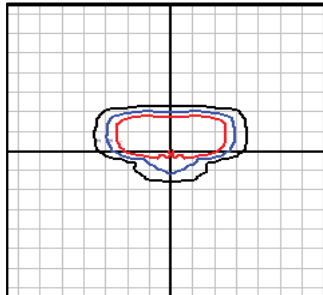
0.5 FC

0.2 FC

EPCO-02-615-C-40-NL

LUMINAIRE DATA

Description	4000 Kelvin, 70CRI
Delivered Lumens	6752
Watts	70.25
Efficacy	96
IES Type	III
BUG Rating	B1-U0-G2
Mounting Height	15 ft
Grid Scale	15 ft



15' Mounting Height

1.0 FC

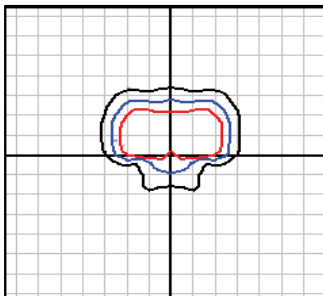
0.5 FC

0.2 FC

EPCO-02-615-E-40-NL

LUMINAIRE DATA

Description	4000 Kelvin, 70CRI
Delivered Lumens	6809
Watts	70.25
Efficacy	97
IES Type	IV
BUG Rating	B1-U0-G2
Mounting Height	15 ft
Grid Scale	15 ft



15' Mounting Height

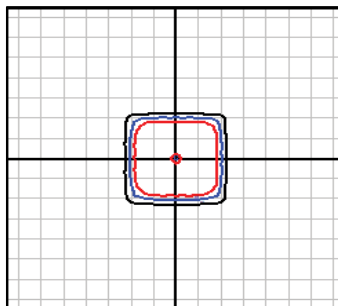
1.0 FC

0.5 FC

0.2 FC

EPCO-02-615-F-40-NL**LUMINAIRE DATA**

Description	4000 Kelvin, 70CRI
Delivered Lumens	7425
Watts	70.25
Efficacy	106
IES Type	VS
BUG Rating	B3-U0-G1
Mounting Height	15 ft
Grid Scale	15 ft

**15' Mounting Height**

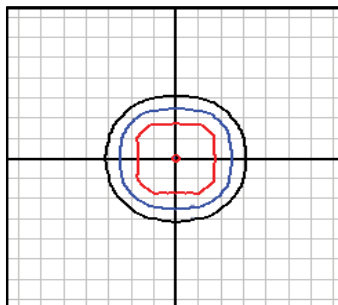
1.0 FC

0.5 FC

0.2 FC

EPCO-02-615-G-40-NL**LUMINAIRE DATA**

Description	4000 Kelvin, 70CRI
Delivered Lumens	6864
Watts	70.25
Efficacy	98
IES Type	VS
BUG Rating	B3-U0-G1
Mounting Height	15 ft
Grid Scale	15 ft

**15' Mounting Height**

1.0 FC

0.5 FC

0.2 FC

