

FEATURES

- Reliable, uniform, glare free illumination
- Types 2, 3, 4, 5, distributions
- 3000K, 4000K, 5000K CCT
- 0-10V dimming ready
- Integral surge suppression
- Upgrade Kits



Towne Commons® LED



Towne Commons ALN440

SPECIFICATIONS

LED/OPTICS

- The optical assembly shall be completely sealed with a one piece injection molded silicone gasket to prevent dust, insect or moisture contamination. The optical array shall consist of high brightness light emitting diodes mounted to a printed metal circuit board with precision injection molded optically clear lenses discretely coupled to each individual diode. The printed circuit board assembly shall have a uniform conformal coating with the exception of the optical output lens at each diode and be mechanically fastened to an anodized die-cast aluminum heat sink. Standard color temperatures shall be 3000K, 4000K and 5000K

ELECTRICAL

- All Luminaires shall accept 120 thru 277 volt input and have integral surge protection. Drivers shall be U.L. recognized and have a 0-10v dimming interface with a dimming range of 10-100%. Approved dimmers include Lutron Diva AVTV, Lutron Nova NFTV and NTFTV. (Note: not compatible with current sourcing dimmers). Consult factory for current list of known compatible dimming systems. LifeShield™ shall be provided with all configurations for added protection in extreme temperature environments (-30°C to 60°C). The electrical assembly shall be mounted to a serviceable tray.

ELECTRICAL (CONTINUED)

- The surge protector shall be U.L. recognized and have a surge current rating of 10,000 Amps using the industry standard 8/20uSec wave with a clamping voltage of 320V and surge rating of 372J. The surge protector case shall be a high-temperature, flame resistant plastic enclosure. The electrical assembly shall be installed and prewired in the fixture

CERTIFICATIONS

- ETL listed under UL 1598 and CSA C22.2 No. 250.0-08 for wet locations

WARRANTY

- 5 year warranty

ORDERING GUIDE

Example: ALN440-Y2-32LED-3K-700-BLS-SBL-TRA3

CATALOG #

HOUSING

ALN440					
Upgrade Kit		Distribution		Color Temp	
ALN445-LK	Towne Commons LED 32 LED Upgrade Kit	Y2	Type 2	32LED-3K	Warm White, 3000K output
ALN445D-LK	Towne Commons LED 32 LED Upgrade Kit	Y3	Type 3	32LED-4K	Neutral White, 4000K output
		Y4	Type 4	32LED-5K	Bright White, 3000K output
		Y5	Type 5		
				Driver	
				700	700mA drive current, 75 watts

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

DELIVERED LUMENS

The table below shows the delivered lumens for the various lumen outputs and beam distributions. Use this chart in connection with the lumen factor (LF) capability to deliver any output required.

LUMINAIRE PERFORMANCE – CLEAR LENS

LED #	Drive Current	Lumen Package	Lens	Distribution	3000K 70CRI					4000K 70CRI					5000K 70CRI				
					Lumen	Bug Rating			Efficacy (Lm/W)	Lumen	Bug Rating			Efficacy (Lm/W)	Lumen	Bug Rating			Efficacy (Lm/W)
						B	U	G			B	U	G			B	U	G	
32	700	5,000	Clear	Y2	4016	1	3	2	54	5156	2	2	3	69	5427	2	3	3	72
				Y3	3875	1	3	2	52	4975	2	3	2	66	5237	2	3	2	70
				Y4	4245	1	3	2	57	5449	1	3	3	73	5736	1	3	3	76
				Y5	3809	2	3	2	51	4945	3	3	2	66	5183	3	3	3	69
			LDL	Y2	3818	1	3	3	51	4902	2	4	3	65	5160	2	4	3	69
				Y3	3674	1	3	3	49	4716	1	4	3	63	4964	1	4	3	66
				Y4	4032	1	4	3	54	5176	1	4	3	69	5449	1	4	3	73
				Y5	3610	2	3	3	48	4685	2	4	3	62	4901	2	4	3	65
			SDL	Y2	3499	1	4	3	47	4492	1	4	3	60	4729	2	4	3	63
				Y3	3370	1	4	2	45	4327	1	4	3	58	4554	1	4	3	61
				Y4	3703	1	4	3	49	4754	1	4	3	63	5004	1	4	3	67
				Y5	3310	1	4	2	44	4292	2	4	3	57	4499	2	4	3	60

PHOTOMETRY

ALN440-Y3-32LED-5K7-700

LUMINAIRE DATA

Description	5000 Kelvin, 70CRI
Delivered Lumens	5237
Watts	75
Efficacy	70
IES Type	III
BUG Rating	B2-U3-G2
Mounting Height	14 ft
Grid Scale	14 ft

ZONAL LUMEN SUMMARY

Forward Light			Lumen
FL	30°	2.4%	124.3%
FM	60°	34.5%	1804.4%
FH	80°	29.1%	1523.6%
FVH	90°	3.1%	163.2%
Back Light			
BL	30°	1.7%	90.7%
BM	60°	12.1%	631.5%
BH	80°	11.1%	582.8%
BVH	90°	2.5%	133.1%
Uplight			
UL	100°	1.0%	54.3%
UH	180°	2.5%	129.2%

ALN440-Y5-32LED-5K7-700

LUMINAIRE DATA

Description	5000 Kelvin, 70CRI
Delivered Lumens	5183
Watts	74.9
Efficacy	69
IES Type	V
BUG Rating	B3-U3-G3
Mounting Height	14 ft
Grid Scale	14 ft

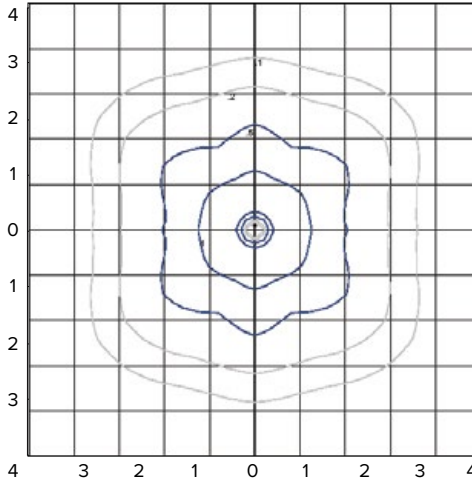
ZONAL LUMEN SUMMARY

Forward Light			Lumen
FL	30°	1.9%	96.7%
FM	60°	16.2%	839.4%
FH	80°	25.8%	1336.3%
FVH	90°	4.4%	228.3%
Back Light			
BL	30°	1.9%	96.7%
BM	60°	16.2%	839.4%
BH	80°	25.8%	1336.3%
BVH	90°	4.4%	228.3%
Uplight			
UL	100°	1.6%	82.2%
UH	180°	1.9%	99.0%

ELECTRICAL DATA

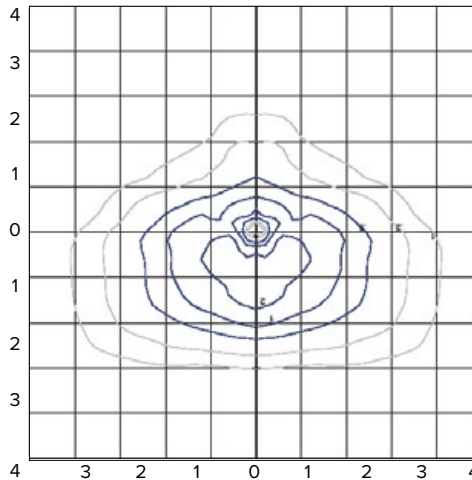
TM-21 LIFETIME CALCULATION - PROJECTED LUMEN MAINTENANCE (25°C / 77°C)						
HOURS	0	25,000	50,000	TM-21-11 60,000	100,000	REPORTED L70
Projected Lumen Maintenance	100%	95.0%	93%	92%	89%	> 60,000

ISOFOOT CANDLE PLOT



14' Mounting Height

ISOFOOT CANDLE PLOT



14' Mounting Height