

ALN540-LK – Towne Commons® LED – Upgrade Kits

TYPE |

- Energy Saving LED technology
- LifeShield® protection system
- IP66 construction of optical system
- Reliable efficient operation
- 0-10V dimming ready
- wiHUBB ready configurations
- Type 2, 3, 4, 5 distributions
- Surge protection included
- DLC pending
- Available in 3000K, 4200K and 5100K



ALN540

1. UPGRADE KIT ALN440-LK	2. DISTRIBUTION	3. COLOR TEMPERATURE	4. DRIVER
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1. UPGRADE KIT

Arm, Post Top or Dendant Mount

ALN540PM-LK – Towne Commons 32 LED upgrade kit

ALN540D-LK – Towne Commons 32 LED upgrade kit

2. DISTRIBUTION *(Class 2, 120 thru 277 volt)*

Y2 *(IES Type 2 distribution)*

Y3 *(IES Type 3 distribution)*

Y4 *(IES Type 4 distribution)*

Y5 *(IES Type 5 distribution)*

3. COLOR TEMPERATURE

32LED-3K *(Warm White 3000K diodes)*

32LED-4K *(Neutral White 4200K diodes)*

32LED-5K *(Bright White 5100K diodes)*

4. DRIVER

700 *(700 milliamp drive current, 75 watts.)*

SPECIFICATIONS

The LED and driver assembly shall be serviceable by backing out three thumb screws to allow for the light engine to be lifted out. Quick disconnects shall be used for all electrical connections.

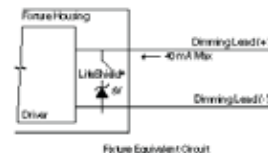
All hardware shall be stainless steel.

OPTICAL

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, 4200K and 5100K.

ELECTRICAL

All Luminaires upgrade kits 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. 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.



See next page

JOB _____

TYPE _____

NOTES _____



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TYPE |

CERTIFICATION

Fixtures shall be listed with ETL for outdoor, wet location use, conforming to the UL 1598 and Canadian CSA 22.2 no. 250 standard. IP66 construction.

WARRANTY / TERMS AND CONDITIONS OF SALE

Download:

<http://www.hubbellighting.com/resources/warranty/>

AAL reserves the right to change product specifications without notice.

PERFORMANCE DATA (32 LEADS, 700 MA DRIVE CURRENT, 75 WATTS)

TYPE	LENS	5K					4K					3K				
		LUMENS	LPW	B	U	G	LUMENS	LPW	B	U	G	LUMENS	LPW	B	U	G
Y2	CLEAR	5838	78	2	3	3	5489	73	2	3	3	4320	58	1	3	2
Y3		5793	77	2	3	2	5445	73	2	3	2	4287	57	1	2	2
Y4		5772	77	1	3	3	5427	72	1	3	3	4271	57	1	3	2
Y5		5319	71	3	3	3	5002	67	3	3	2	3935	52	2	3	2
Y2	LDL	5438	73	2	4	3	5112	68	2	4	3	4024	54	1	3	3
Y3		5406	72	2	4	3	5082	68	1	4	3	4001	53	1	3	3
Y4		5444	73	1	4	3	5118	68	1	4	3	4029	54	1	4	3
Y5		5037	67	2	4	3	4735	63	2	4	3	3728	50	2	3	2
Y2	SBL	5014	67	2	4	3	4713	63	2	4	3	3710	49	1	4	3
Y3		4986	66	1	4	3	4687	62	1	4	3	3689	49	1	4	2
Y4		5036	67	1	4	3	4734	63	1	4	3	3727	50	1	4	3
Y5		4633	62	2	4	3	4355	58	2	4	3	3428	46	1	3	2

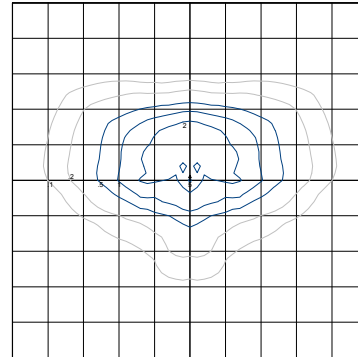
ALN540-Y3-32LED-5K-700 WATTAGE: 74 LUMEN OUTPUT: 5793 EFFICACY: 78 Lm/W

B2 U3 G2

FORWARD LIGHT		LUMEN
FL	30°	4.1% 236.6
FM	60°	34.1% 1973.7
FH	80°	28.5% 1651.9
FVH	90°	3.2% 182.6

BACK LIGHT		LUMEN
BL	30°	3.5% 201.5
BM	60°	11.6% 671.0
BH	80°	10.6% 614.0
BVH	90°	2.5% 145.3

UPLIGHT		LUMEN
UL	100°	1.1% 62.3
UH	180°	0.9% 54.1



UPLIGHT 0%
DOWNLIGHT 100%

14' MOUNTING HEIGHT

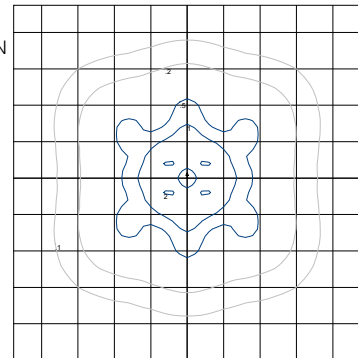
ALN540-Y5-32LED-5K-700 WATTAGE: 73.8 LUMEN OUTPUT: 5319 EFFICACY: 72 Lm/W

B3 U3 G3

FORWARD LIGHT		LUMEN
FL	30°	3.6% 192.0
FM	60°	16.6% 881.0
FH	80°	24.1% 1281.6
FVH	90°	4.6% 244.9

BACK LIGHT		LUMEN
BL	30°	3.6% 192.0
BM	60°	16.6% 881.0
BH	80°	24.1% 1281.6
BVH	90°	4.6% 244.9

UPLIGHT		LUMEN
UL	100°	1.6% 83.0
UH	180°	0.7% 37.1



UPLIGHT 0%
DOWNLIGHT 100%

14' MOUNTING HEIGHT

[IES files can be found at www.aal.net](http://www.aal.net)