

ALTA

Alta is a projector module that is part of the Align, an architectural lighting system that uses magnetic wireways to easily change module positioning at a moment's notice. There's an almost infinite number of configurations and lighting designs available thanks to Align's modules, mounting options and adaptability.



Performance at 4000k

ALTA 45				ALTA 55				ALTA 65			
Optic	Output	DC Load	Efficacy	Optic	Output	DC Load	Efficacy	Optic	Output	DC Load	Efficacy
18°	LH	13.3W	85 lm/W	25°	LH	18.2W	77 lm/W	15°	LH	31.0W	89 lm/W
	LS	6.4W	90 lm/W		LS	10.5W	86 lm/W		LS	24.0W	93 lm/W
38°	LH	13.3W	85 lm/W	35°	LH	18.2W	75 lm/W	25°	LH	31.0W	87 lm/W
	LS	6.4W	90 lm/W		LS	10.5W	82 lm/W		LS	24.0W	92 lm/W
								42°	LH	31.0W	72 lm/W
									LS	24.0W	90 lm/W
								57°	LH	31.0W	70 lm/W
									LS	24.0W	90 lm/W

Based on static white 4000K. For the complete photometric data of this fixture go to Light Loss Factor table.



To specify your ALTA module's beam angle, output and quantity, please go to the ALG2, ALG3, and ALG5 system pages. If you have a question or need more information on the possibilities of our modules and systems, please consult our Design Assist team.

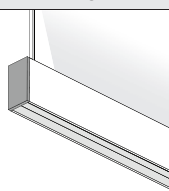
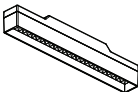
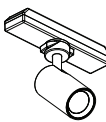
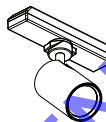
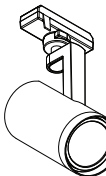
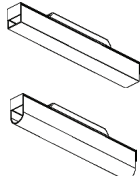
Project name Type Date Quantities

Light Loss Factor (LLF)

OUTPUT	CCT	LLF RATIO		DIRECT EFFICACY (LM/W)															
				ALTA 45				ALTA 55				ALTA 65							
				18"		38"		25"		35"		15"		25"		42"		57"	
		CRI 80	CRI 90	CRI 80	CRI 90	CRI 80	CRI 90	CRI 80	CRI 90	CRI 80	CRI 90	CRI 80	CRI 90	CRI 80	CRI 90	CRI 80	CRI 90	CRI 80	CRI 90
LH (high)	4000K	1.02	0.84	87	71	87	71	79	65	77	63	91	75	89	73	73	60	71	59
	3500K	1	0.83	85	71	85	71	77	64	75	62	89	74	87	72	72	60	70	58
	3000K	0.97	0.81	82	69	82	69	75	62	73	61	86	72	84	70	70	58	68	57
	2700K	0.94	0.79	80	67	80	67	72	61	71	59	84	70	82	69	68	57	66	55
LS (standard)	4000K	1.02	0.84	92	76	92	76	88	72	84	69	95	78	94	77	92	76	92	76
	3500K	1	0.83	90	75	90	75	86	71	82	68	93	77	92	76	90	75	90	75
	3000K	0.97	0.81	87	73	87	73	83	70	80	66	90	75	89	75	87	73	87	73
	2700K	0.94	0.79	85	71	85	71	81	68	77	65	87	73	86	73	85	71	85	71

OUTPUT	CCT	LLF RATIO		DIRECT LUMEN OUTPUT (LM/FT)															
				ALTA 45				ALTA 55				ALTA 65							
				18"		38"		25"		35"		15"		25"		42"		57"	
		CRI 80	CRI 90	CRI 80	CRI 90	CRI 80	CRI 90	CRI 80	CRI 90	CRI 80	CRI 90	CRI 80	CRI 90	CRI 80	CRI 90	CRI 80	CRI 90	CRI 80	CRI 90
LH (high)	4000K	1.02	0.84	1153	950	1153	950	1429	1177	1392	1147	2814	2318	2751	2265	2277	1875	2213	1823
	3500K	1	0.83	1131	938	1131	938	1401	1163	1365	1133	2759	2290	2697	2239	2232	1853	2170	1801
	3000K	0.97	0.81	1097	916	1097	916	1359	1135	1324	1106	2676	2235	2616	2185	2165	1808	2105	1758
	2700K	0.94	0.79	1063	893	1063	893	1317	1107	1283	1078	2593	2180	2535	2131	2098	1763	2040	1714
LS (standard)	4000K	1.02	0.84	588	484	588	484	921	759	878	723	2277	1875	2252	1855	2203	1814	2203	1814
	3500K	1	0.83	576	478	576	478	903	749	861	715	2232	1853	2208	1833	2160	1793	2160	1793
	3000K	0.97	0.81	559	467	559	467	876	731	835	697	2165	1808	2142	1788	2095	1750	2095	1750
	2700K	0.94	0.79	541	455	541	455	849	713	809	680	2098	1763	2076	1744	2030	1706	2030	1706

Maximum Modules per Driver

MAGNETIC SYSTEM		MAGNETIC SYSTEM											
ALG		PACE (22°, 55°)		PACE HE TECH		ALTA 45		ALTA 55		ALTA 65		STRIDE (SQ, RN)	
													
Maximum DC load 96W (per driver)		LH 17.0W	LS 10.0W	LH 13.5W	LS 7.0W	LH 13.3W	LS 6.4W	LH 18.2W	LS 10.5W	LH 31.0W	LS 24.0W	LH 11W/FT	



Here is how you determine if and when you need an extra power source :

1. The total DC load (W) of installed light sources exceeds 96W.
2. The total length of indirect lighting exceeds 24' If your system exceeds either of these conditions (96W or 24'), an additional power source must be added in a M 'mid segment'.

Photometric

Distribution

Direct Symmetric

Output

ALTA 45

LH High output 13.3W

LS Standard output 6.4W

ALTA 55

LH High output 18.2W

LS Standard output 10.5W

ALTA 65

LH High output 31.0W

LS Standard output 24.0W

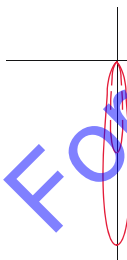
ALTA 45 Photometric Data

18° DIRECT SYMMETRIC

LH - 4000K

Lumens: 1135 lm
Input watts: 13.3 W
Efficacy: 85 lm/W

LH ———
LS - - - -

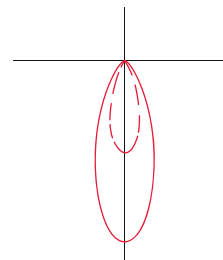


38° DIRECT SYMMETRIC

LH - 4000K

Lumens: 1135 lm
Input watts: 13.3 W
Efficacy: 85 lm/W

LH ———
LS - - - -



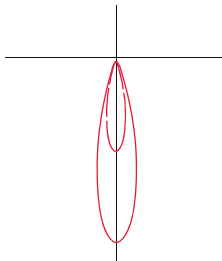
ALTA 55 Photometric Data

25° DIRECT SYMMETRIC

LH - 4000K

Lumens: 1429 lm
Input watts: 18.2 W
Efficacy: 79 lm/W

LH ———
LS - - - -

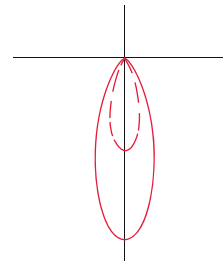


35° DIRECT SYMMETRIC

LH - 4000K

Lumens: 1392 lm
Input watts: 18.2 W
Efficacy: 77 lm/W

LH ———
LS - - - -



Project name

Type

Date

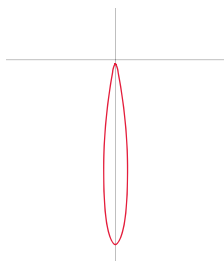
Quantities

ALTA 65 Photometric Data

15° DIRECT SYMMETRIC

LH - 4000K

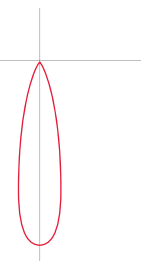
Lumens: 2814 lm
Input watts: 31.0 W
Efficacy: 91 lm/W



25° DIRECT SYMMETRIC

LH - 4000K

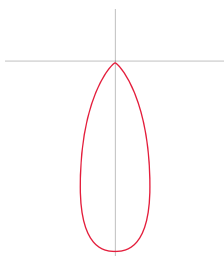
Lumens: 2751 lm
Input watts: 31.0 W
Efficacy: 87 lm/W



42° DIRECT SYMMETRIC

LH - 4000K

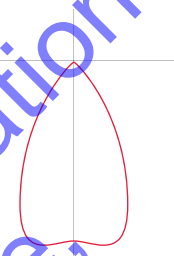
Lumens: 2277 lm
Input watts: 31.0 W
Efficacy: 72 lm/W



57° DIRECT SYMMETRIC

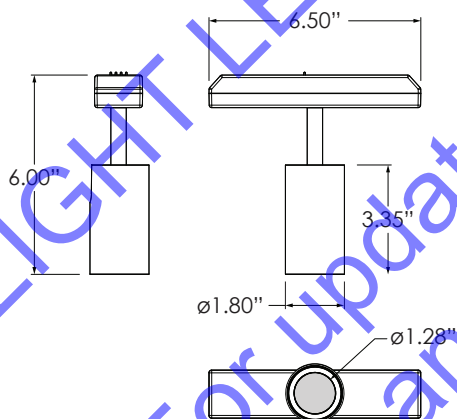
LH - 4000K

Lumens: 2213 lm
Input watts: 31.0 W
Efficacy: 70 lm/W

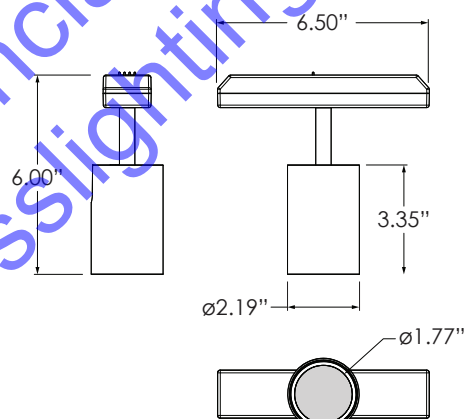


Dimensions

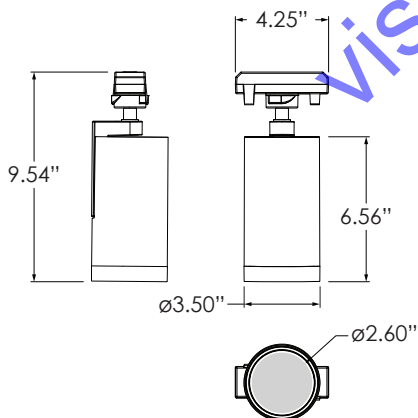
ALTA 45



ALTA 55



ALTA 65



Project name

Type

Date

Quantities

LINEAR DIMENSIONS

ALTA 45 and 55 - Linear length of module is 6.50"

ALTA 65 - Linear length of module is 4.50"

OPTICS

ALTA 45 and 55 - Both ALTA projectors offer one narrow and one wide beam angle.

ALTA 65 - This ALTA projector offers each beam angle of Spot (15°), Narrow Flood (25°), Flood (42°) & Wide Flood (57°).

LED LIGHT SOURCE

All LEDs in this system are Nichia® LED combined with a performance driven heat sink technology. Tested in accordance with LM79 and LM-80; L70>60,000hr; operated at reduced output for high efficacy and lumen maintenance. 3000K, 3500K, and 4000K with 80+ CRI standard; other color temperatures and 90+ CRI available upon request, contact factory. LED color variation maintained at a 3-step MacAdam ellipse (SDCM 3x). LEDs are available in Standard, and High outputs. Refer to photometry for delivered lumens.

LED DRIVER

Standard 48V constant voltage universal 120-277V electronic driver provide power to DC to DC drivers that control the individual light sources Max Driver life of 50,000 hrs with ambient operating temperature range of -20°C to 70°C, maximum case temperature of 90°C. Electrical specifications at maximum driver load: PF >0.90, THD <2.0%, 92% Efficiency.

DIMMING CONTROLS

0-10V - The DC to DC drivers in each direct modules and indirect segment provide standard 0-10V dimming. Each Direct module can be individually tuned to set max output using graded potentiometer on top of fixtures.

FINISH

Deglossed black Polycarbonate finish and electrostatically applied powder coat finish. Standard finish option is black.

LISTING

UL/CUL rated for Damp Locations. Tested in accordance with UL 1598 and certified to CEC/CSA C22.1, NEC, ANSI/NFPA 70, and NOM-001-SEDE.

The ALTA is assembled in the U.S.A. and complies with the Buy America(n) Act (BAA) government procurement requirements under FAR, DFARS, and DOT.

WARRANTY

Limited defect-free manufactured equipment warranty provided under normal use and proper storage for a period of one (1) year. LED products (LED boards and drivers) will be covered for a period of five (5) years. Please refer to full terms and conditions on our website: www.alights.com/downloads/warranty/