

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.



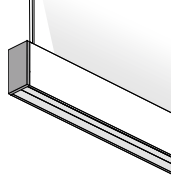


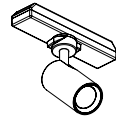
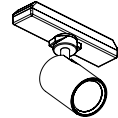
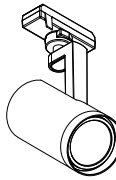
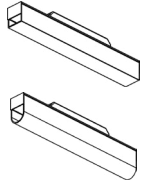
To specify your ALTA module's beam angle, output and quantity, please go to the ALG2, ALG3, and ALG5 system pages. If you have a question or need more information on the possibilities of our modules and systems, please consult our design-assist team.

Light Loss Factor

OUTPUT	CCT	CRI 80+ (STANDARD)								CRI 90+							
		ALTA 45		ALTA 55		ALTA 65				ALTA 45		ALTA 55		ALTA 65			
		18°	38°	25°	35°	15°	25°	42°	57°	18°	38°	25°	35°	15°	25°	42°	57°
LH (high)	4000K	1153 lm	1094 lm	1408 lm	1342 lm	2773 lm	2766 lm	2694 lm	2705 lm	1030 lm	977 lm	1257 lm	1198 lm	2343 lm	2339 lm	2277 lm	2285 lm
	3500K	1141 lm	1083 lm	1394 lm	1329 lm	2746 lm	2739 lm	2668 lm	2679 lm	987 lm	936 lm	1205 lm	1149 lm	1979 lm	1976 lm	1923 lm	1930 lm
	3000K	1115 lm	1058 lm	1362 lm	1298 lm	2692 lm	2685 lm	2616 lm	2626 lm	965 lm	916 lm	1178 lm	1123 lm	2209 lm	2205 lm	2146 lm	2154 lm
	2700K	1080 lm	1025 lm	1319 lm	1257 lm	2585 lm	2578 lm	2511 lm	2521 lm	921 lm	874 lm	1125 lm	1072 lm	2120 lm	2117 lm	2060 lm	2068 lm
LS (standard)	4000K	576 lm	977 lm	880 lm	866 lm	2222 lm	2216 lm	2158 lm	2167 lm	514 lm	514 lm	786 lm	773 lm	1877 lm	1874 lm	1825 lm	1830 lm
	3500K	570 lm	936 lm	871 lm	857 lm	2200 lm	2194 lm	2137 lm	2146 lm	493 lm	493 lm	753 lm	741 lm	1585 lm	1583 lm	1542 lm	1546 lm
	3000K	557 lm	916 lm	851 lm	837 lm	2157 lm	2151 lm	2095 lm	2104 lm	482 lm	482 lm	737 lm	725 lm	1769 lm	1766 lm	1720 lm	1725 lm
	2700K	540 lm	874 lm	825 lm	811 lm	2071 lm	2065 lm	2011 lm	2020 lm	460 lm	460 lm	703 lm	692 lm	1698 lm	1696 lm	1651 lm	1656 lm

SPECIFICATION GUIDE

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 100W (per driver)		LH 17.0W	LS 10.0W	LH 13.5W	LS 7.0W	LH 13.3W	LS 6.4W	LH 18.2W	LS 10.2W	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 100W.
2. The total length of indirect lighting exceeds 24' If your system exceeds either of these conditions (100W 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

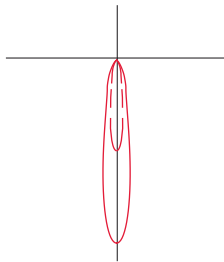
ALTA 45 Photometric Data

18° DIRECT SYMMETRIC

LH - 4000K

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

LH ———
LS - - - -

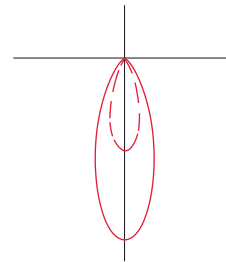


38° DIRECT SYMMETRIC

LH - 4000K

Lumens: 1094 lm
Input watts: 13.3 W
Efficacy: 85 lm/W

LH ———
LS - - - -



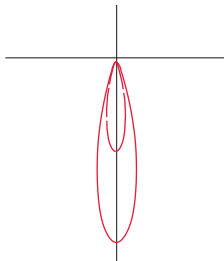
ALTA 55 Photometric Data

25° DIRECT SYMMETRIC

LH - 4000K

Lumens: 1408 lm
Input watts: 18.2 W
Efficacy: 77 lm/W

LH ———
LS - - - -

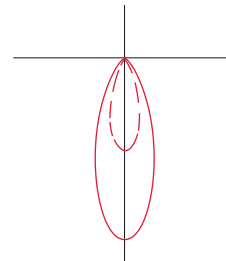


35° DIRECT SYMMETRIC

LH - 4000K

Lumens: 1342 lm
Input watts: 18.2 W
Efficacy: 77 lm/W

LH ———
LS - - - -



Project name

Type

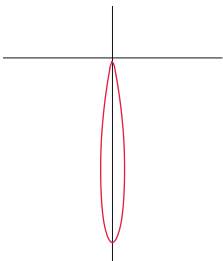
Date

Quantities

ALTA 65 Photometric Data

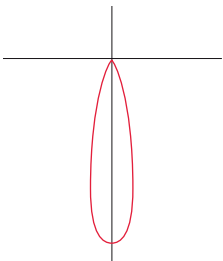
15° DIRECT SYMMETRIC
LH - 4000K

Lumens: 2746 lm
Input watts: 31.0 W
Efficacy: 89 lm/W



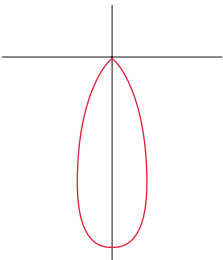
25° DIRECT SYMMETRIC
LH - 4000K

Lumens: 2739 lm
Input watts: 31.0 W
Efficacy: 88 lm/W



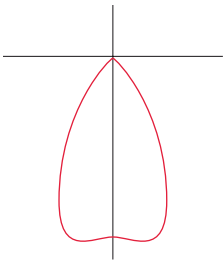
42° DIRECT SYMMETRIC
LH - 4000K

Lumens: 2667 lm
Input watts: 31.0 W
Efficacy: 86 lm/W



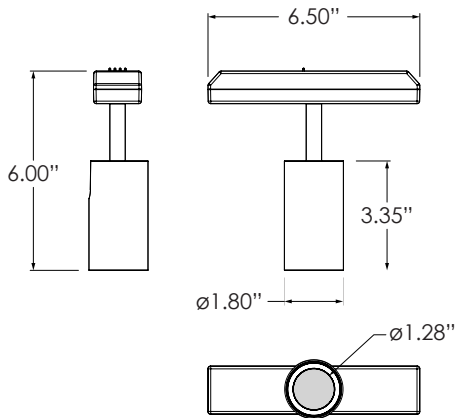
57° DIRECT SYMMETRIC
LH - 4000K

Lumens: 2678 lm
Input watts: 31.0 W
Efficacy: 86 lm/W

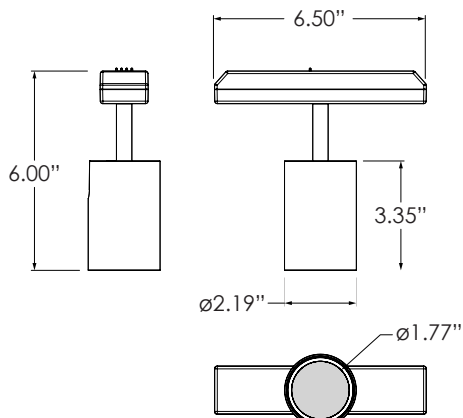


Dimmensions

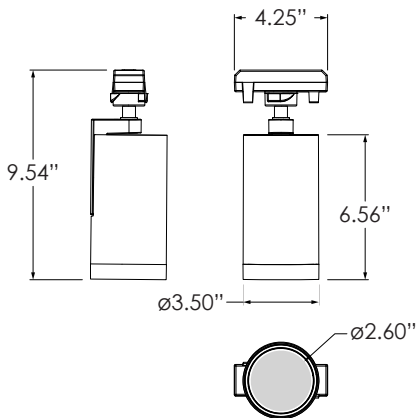
ALTA 45



ALTA 55



ALTA 65



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>60,0000hr; 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.

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.