

Baffled Optic
22 degreesBaffled Optic
55 degrees

HE TECH™

Performance at 4000k

OPTIC	OUTPUT	DC LOAD	EFFICACY
22°	LH	17.00 W	85 lm/W
	LS	10.00 W	91 lm/W
55°	LH	17.00 W	67 lm/W
	LS	10.00 W	74 lm/W
HE TECH	LH	13.50 W	43 lm/W
	LS	7.00 W	48 lm/W

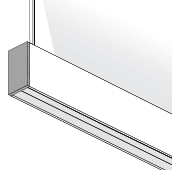
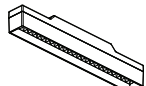
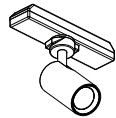
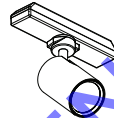
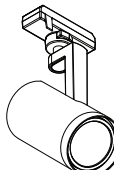
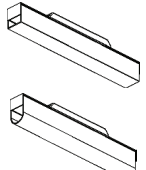
To specify your PACE module's beam angle, output and quantity, please go to the ALG2, ALG3, and ALG5 system pages.

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 (LLF)

OUTPUT	CCT	LLF RATIO		DIRECT EFFICACY					
				22°		55°		HE TECH	
		CRI 80	CRI 90	CRI 80	CRI 90	CRI 80	CRI 90	CRI 80	CRI 90
LH (high)	4000K	1.02	0.84	87 lm/W	71 lm/W	68 lm/W	56 lm/W	44 lm/W	36 lm/W
	3500K	1	0.83	85 lm/W	71 lm/W	67 lm/W	56 lm/W	43 lm/W	36 lm/W
	3000K	0.97	0.81	82 lm/W	69 lm/W	65 lm/W	54 lm/W	42 lm/W	35 lm/W
	2700K	0.94	0.79	80 lm/W	67 lm/W	63 lm/W	53 lm/W	40 lm/W	34 lm/W
LS (standard)	4000K	1.02	0.84	93 lm/W	76 lm/W	75 lm/W	62 lm/W	49 lm/W	40 lm/W
	3500K	1	0.83	91 lm/W	76 lm/W	74 lm/W	61 lm/W	48 lm/W	40 lm/W
	3000K	0.97	0.81	88 lm/W	74 lm/W	72 lm/W	60 lm/W	47 lm/W	39 lm/W
	2700K	0.94	0.79	86 lm/W	72 lm/W	70 lm/W	58 lm/W	45 lm/W	38 lm/W
OUTPUT	CCT	LLF RATIO		DIRECT LUMEN OUTPUT					
				22°		55°		HE TECH	
		CRI 80	CRI 90	CRI 80	CRI 90	CRI 80	CRI 90	CRI 80	CRI 90
LH (high)	4000K	1.02	0.84	1474 lm/ft	1214 lm/ft	1162 lm/ft	957 lm/ft	592 lm/ft	488 lm/ft
	3500K	1	0.83	1445 lm/ft	1199 lm/ft	1139 lm/ft	945 lm/ft	581 lm/ft	482 lm/ft
	3000K	0.97	0.81	1402 lm/ft	1170 lm/ft	1105 lm/ft	923 lm/ft	563 lm/ft	470 lm/ft
	2700K	0.94	0.79	1358 lm/ft	1142 lm/ft	1071 lm/ft	900 lm/ft	546 lm/ft	459 lm/ft
LS (standard)	4000K	1.02	0.84	928 lm/ft	764 lm/ft	755 lm/ft	622 lm/ft	343 lm/ft	282 lm/ft
	3500K	1	0.83	910 lm/ft	755 lm/ft	740 lm/ft	614 lm/ft	336 lm/ft	279 lm/ft
	3000K	0.97	0.81	883 lm/ft	737 lm/ft	718 lm/ft	599 lm/ft	326 lm/ft	272 lm/ft
	2700K	0.94	0.79	855 lm/ft	719 lm/ft	696 lm/ft	585 lm/ft	316 lm/ft	265 lm/ft

Maximum Module Qty. Per Driver

MAGNETIC SYSTEM		MAGNETIC SYSTEM											
ALG		PACE (22°, 55°)		PACE HE TECH		ALTA 45		ALTA 55		ALTA 65		STRIDE (SQ, RS)	
													
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

22°-55°

LH High output 17.0W

LS Standard output 10.0W/ft

HE Tech™

LH High output 13.5W/ft

LS Standard output 7.0W/ft

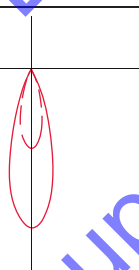
Photometric Data

22° DIRECT SYMMETRIC

LH - 4000K

Lumens: 1474 lm
Input watts: 17.0 W/ft
Efficacy: 87 lm/W

LH ———
LS - - - - -

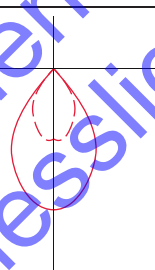


55° DIRECT SYMMETRIC

LH - 4000K

Lumens: 1162 lm/ft
Input watts: 17.0 W/ft
Efficacy: 68 lm/W

LH ———
LS - - - - -

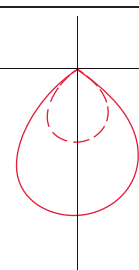


HE TECH DIRECT SYMMETRIC

LH - 4000K

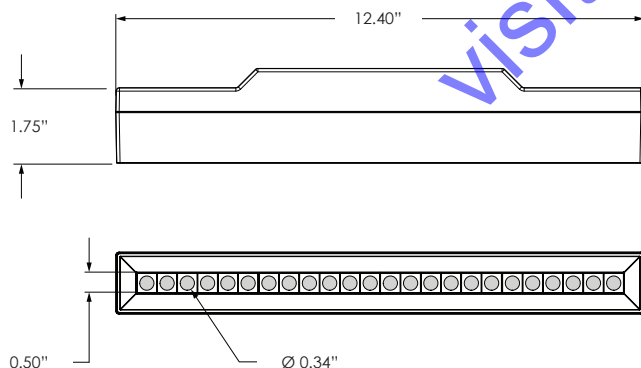
Lumens: 592 lm/ft
Input watts: 13.5 W/ft
Efficacy: 44 lm/W

LH ———
LS - - - - -

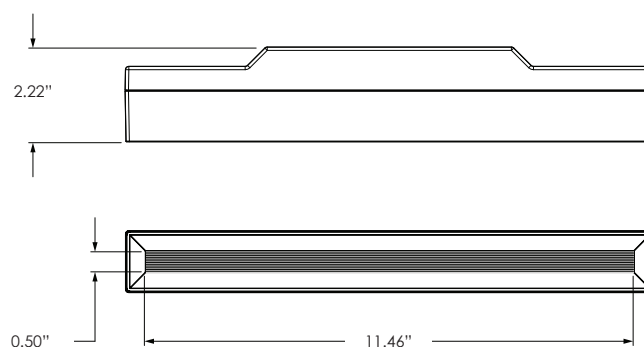


Dimensions

PACE 22°-55°



PACE HE



Project name

Type

Date

Quantities

LINEAR DIMENSIONS

Pace - All pace modules are 12.40" long.

OPTICS

Pace - Precise 0.5" baffled optics offer precise regressed lighting with a 22°,55° beam angle and A-light's proprietary HE Tech™ for a softer lambertian illumination.

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.

Wireless Casambi - Each module and indirect segment can be ordered Casambi ready. Any bluetooth enabled iOS or Android smartphone with the free Casambi app can control the dimming of one or multiple light sources wirelessly.

nLight® AIR - A simplified wireless lighting control solution that give users the ability to regulate devices on any handheld device. Using the CLARITY APP, you can pair and group devices as well as customize sensor settings. Dims system segments only. To individually dim modules, use wireless Casambi

nLight® WIRED - A collection of lighting control solutions that function wired together to adapt to a space's lighting. With a collection of sensors and switches it is possible to adapt fixtures to any environment. Dims system segments only. To individually dim modules, use wireless Casambi

FINISH

Deglossed black Polycarbonate finish

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 PACE 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/