March 2023

Re: South Main MATA Concourse Lighting
545 South Main
Memphis, TN 38103

South Main Association + Henry Turley Company

Walking down the west side of South Main Street between GE Patterson and Georgia, pedestrians are greeted with a sprawling art installation along the Central Station concourse wall. The art itself – which was created and installed by local Memphis artist and gallery owner Anthony Lee of Marshall Arts – is visible by day, but hardly noticeable at night.

The site is located just south of Central Station Hotels' main entrance, along the MATA concourse which connects the Memphis Farmers Market and the Malco Theater to South Main, and the MATA South Main Trolley Stop. This area currently has no lighting along the concourse wall, leaving the artwork and pedestrian sidewalk dark and unlit – except for some residual street lighting.

There has long been a desire for the South Main experience to more fully extend past the Arcade block. Neighborhood-wide there is an “end of the sidewalk” sort of feeling as one moves south past the G.E. Patterson and South Main intersection. With the new addition of South Point Grocery, the number of pedestrians regularly taking this route has increased as well. Not only would the refresh of this portion of the sidewalk improve the pedestrian experience, but the potential for color-changing lights on gamedays, Trolley Nights, and other times will certainly help activate this stretch of South Main.

Our goal with this neighborhood project is 3-fold: (1) to enhance the safety and comfort of pedestrians, (2) to bring needed light to this prominent art display, and (3) to complete the lighting upgrade that HTC is overseeing for MATA. MATA is increasing the light levels in the concourse to promote the use and safety of the concourse. MATA is also adding signage and lighting to the South Main Trolley Stop to enhance the rider experience while increasing light levels for pedestrian safety. We have been able to work with our lighting supplier to identify one fixture that would fulfill both needs. The test fixture we installed provides much-needed pedestrian lighting and excellent art lighting. This lighting upgrade, as well as the two other lighting upgrades that MATA has underway, will dramatically improve this area of South Main. These lighting projects should increase the interest in South Main and bring more business and renovation projects to this area.

Henry Turley Company (HTC) has and will continue to provide project oversight. Collectively, HTC and the South Main Association have utilized our relationships with our vendors to get the correct fixture and a reasonable cost to complete this project. The lighting supplier will contribute the LED controller (which allows for customizable lamp color and intensity programming) as a benefit to the DMC and the SMA. The total project cost is $76,341.00. The price is from a WBE provider.

The project will include the installation of 23 linear LED lights. The power will be pulled off an existing source and the lights will be triggered by the same photocell that turns on the MATA South Main Trolley Stop lighting. These lights will be mounted directly to the underside of the elevated rail platform and positioned to provide optimum lighting for both the art panels and the pedestrian walk.

We have already gone to a WBE vendor for the electrical materials and labor. They have graciously installed the test fixture at no charge and offered very competitive pricing because of their relationship with HTC and their desire to see the South Main district continue to advance.

We expect the lead time for the fixtures to be between 60 and 90 days; the installation itself will take a few weeks at most. HTC will provide a more accurate schedule once the project is approved and the lighting fixtures are ordered.

Katie Hunt, the current President of the South Main Association and an architect at LRK, is working with HTC on this project and has spoken to her board about their participation in the project. HTC has done all the preliminary oversight to design and price this project. HTC will continue to oversee this project through completion. The SMA and HTC collectively feel that this project is one that bridges multiple needs of the neighborhood.

Kevin Clarkson

Kevin Clarkson
Chief Operations Officer
kclarkson@henryturley.com
901-508-4475

Katie Hunt
President, South Main Association
khunt@lrk.com
901-359-5424


Without linear lighting


With linear lighting

Office: 743-5120 Fax: 743-4839

American Electrical Cont., Inc.
3405 Pearson Rd
Memphis, Tennessee 38118

WBE Contractor in the State of Tennessee and the City of Memphis

January 21, 2022

Henry Turley Company
ATTN: Kevin Clarkson

RE: Central Station Mural Lighting

Dear Mr. Clarkson:

Thank you for the opportunity to budget this project. We are budgeting the central station mural lighting per our site walk through and requested scope. We will furnish and install 23 outdoor rated LED fixtures in the "cells" chosen by the Owner's representative. We will provide 2 new circuits and breakers from an existing panel in the service tunnel. The fixtures will be mounted to the underside of the concrete eave forming the "roof" of the "cell". We will run the conduit on the surface in as discreet of manner as allowable.

"Not To Exceed" Budget $76,341.00

This price includes all labor, material, tax, mark up, equipment rental, freight, and electrical permit fees. We are excluding any painting of equipment, material of surface.

Please call or e-mail with any questions.

Thank you,

Michael A. Hawkins
Project Manager
American Electrical Contractors, Inc.

MH/kp

nLIGHT Controls | eldoLED Drivers | White tuning | Dim. to warm | Sensors | WET Location | ADA Compliant | HE Tech lens | Buy American

ALD3ST

Direct - Suspended - Surface - Wall

ALD3ST combines clean lines with high performance direct distribution, for a functional and aesthetically pleasing slim profile.

Replacement of ACCOLADE - D3

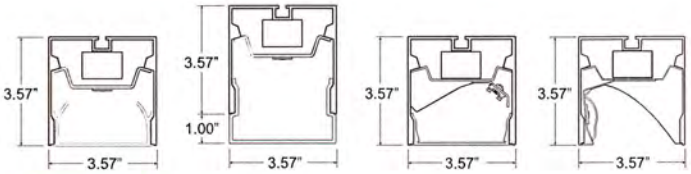
- Unique patterns with fully lit corners and intersections possible with Design Assist.
- Individual units and continuous runs in exact lengths.
- Adjustable mounting options for ease of installation.
- Custom color options.
- Quickship nominal options.

PERFORMANCE

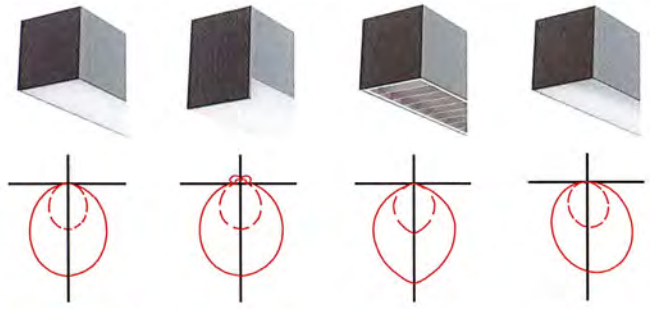
OUTPUT	OPTICS	NOMINAL		
		LUMEN OUTPUT	INPUT WATTS	EFFICACY
LH (High)	HE Tech™	1114 lm/ft	9.8 W/ft	114 lm/W
	1" Drop Lens	926 lm/ft	9.8 W/ft	96 lm/W
LS (Standard)	HE Tech™	575 lm/ft	4.8 W/ft	120 lm/W
	1" Drop Lens	478 lm/ft	4.8 W/ft	102 lm/W

Based on static white 35K HE lens fixtures. For the complete photometric data of this fixture refer to page 4.

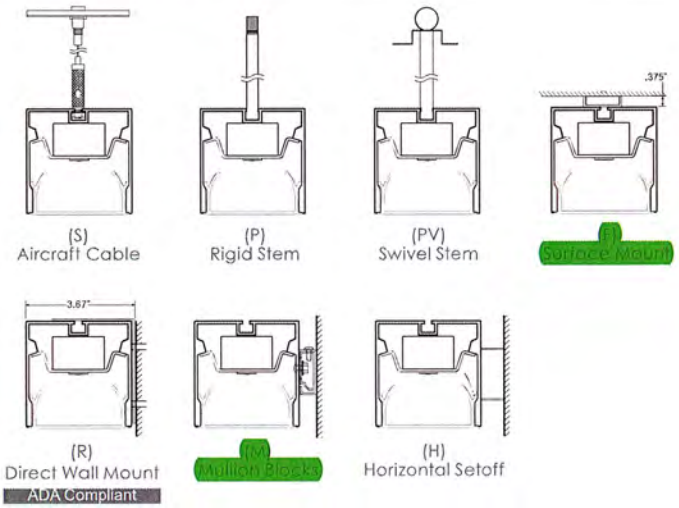
DIMENSIONS



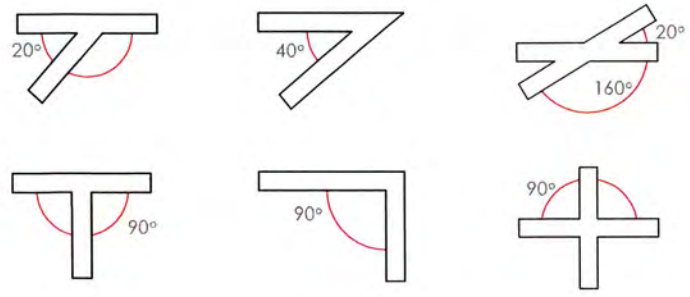
DOWNLIGHT LENS OPTIONS

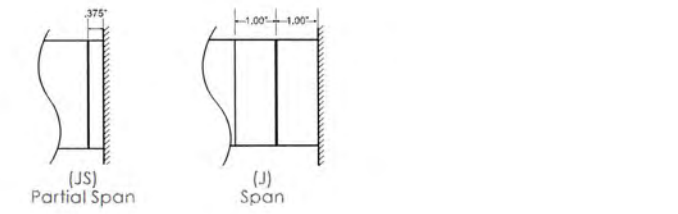


MOUNTING OPTIONS



MULTIPLE INTERSECTIONS AND CORNERS OPTIONS





a·light

PERFORMANCE AT 3500K

OUTPUT	OPTICS	NOMINAL		
		LUMEN OUTPUT	INPUT WATTS	EFFICACY
LH (High)	HE Tech™	1114 lm/ft	9.8 W/ft	114 lm/W
	Asymmetric Wisp	972 lm/ft	9.8 W/ft	99 lm/W
	1" Drop Lens	926 lm/ft	9.8 W/ft	95 lm/W
	Flat Blade Louver*	990 lm/ft	9.8 W/ft	101 lm/W
LS (Standard)	HE Tech™	575 lm/ft	4.8 W/ft	119 lm/W
	Asymmetric Wisp	469 lm/ft	4.8 W/ft	98 lm/W
	1" Drop Lens	478 lm/ft	4.8 W/ft	100 lm/W
	Flat Blade Louver*	511 lm/ft	4.8 W/ft	106 lm/W

Custom tuned output available from 25% to 125% of high output. Please consult factory for custom lumen output and wattage. For the complete photometric data of this fixture and Tunable White CCT, go to page 4.
*Flat Blade Louver calculated using the aluminum finish.

PROJECT INFORMATION

Project Info | Date

Type | Quantity

Need help? Don't see what you need?

Please reach out to our factory for any specific request or questions you have. Our talented Design Assist team at: designassist@alights.com

ALD3ST

ALD3ST SERIES	LENGTH OR PATTERN TYPE	INTERSECTION TYPE	OUTPUT	LED CCT	LED CRI	VOLTAGE	DIRECT OPTICS
ALD3ST	_ Nominal Length* M_ Exact Length** PL_ "L" Shape*** PU_ "U" Shape*** PR_ Rectangle / Square*** CP Custom Pattern**** *Specify in feet to the nearest foot (i.e. 12) **Specify in inches to the nearest 1/8 (i.e. M180.125) ***Specify in inches to the nearest 1/8 (See Pattern Guide for configurations) ****Contact Design Assist	IT "T" Intersection* IX "X" Intersection* IY "Y" Intersection** *Not available with Drop Lens and Awash Kicker + WISP. Available with Flat Blade Louvers only in 90° degrees. **Fully illuminated intersection available with HE Tech and Polycarbonate Flush WISP optics only. Contact Design Assist.	LH High output LS Standard output C_ Custom output* *Available from 25% to 125% of LED High Output.	27 2700K 30 3000K 35 3500K 40 4000K TW Tunable White (27K to 50K)* DW Dim-to-warm** *Contact Design Assist for custom CCT range. ** Standard CCT range is 27-50K. Contact design assist for custom range	_ 80+ CRI 90CRI 90+ CRI* * Not offered with [TW] Tunable white or [DW] Dim-to-warm.	U 120V-277V 3 347V	HE HE Tech™ KS Awash Kicker + WISP™ DL 1" Drop Lens* LV Flat Blade Louvers** PFW Polycarbonate Flush WISP™ * Not available with Wet Location. **Aluminum Standard. Not available in Wet Location.

MOUNTING	FINISH	DIMMING	EMERGENCY	SENSORS	OPTIONS
S Aircraft Cable* P_ Rigid Stem** PV_ Swivel Stem** R Direct Wall Mount M_ Mullion Blocks*** H_ Horizontal Setoff Bracket**** F Surface Mount***** JS Partial Span J Full Span Standard power cord exit point is 3" away from endcap. Contact Design Assist for custom location. *Standard 48" field adjustable cable, specify length to nearest inch if over 48". Black power cord provided for satin black and titanium finish and white power cord provided for all other fixture finishes, unless otherwise specified. **Indicate stem length to nearest inch. 6.00" minimum. *** Enter 1 for 1" depth. Enter 5 for 1/2" depth. ****Enter 1 for 1" depth. Enter 5 for 1/2" depth. Not available in Wet Location. *****Available for ceiling and wall surface mounting.	T Titanium W White B Black O_ Other* *Specify RAL#	D Standard 0-10V dimming* D1 HiLume Ecosystems 1% (LDE1) D2 Phase dimming** D3 DMX 0.1% dim-to-dark-(EldoLED) D4 DALI dim-to-off (EldoLED) NAIR nLight ®AIR (dim-to-off) NWIR nLight ®Wired (dim-to-off) DO Dimming - Other*** * 1% Dimming standard unless otherwise specified.**Reference Lutron LTEA4 driver for compatible dimmers. **Reference ERP-PHB driver for compatible dimmers. *** Specify if other dimming driver is needed. Contact Design Assist.	EC Emergency - circuited* E_ Emergency - battery** *Not available on fixtures <4' length. Smallest EM circuit is 2'ft. If entire fixture is on EM circuit, no need to call out EC in part number. **Factory-installed emergency battery pack. Specify desired quantity of batteries. Not available on fixtures <4' length. Not available for 347V. See technical data for more information.	OC Occupancy Sensor - Ceiling PC Photocell / Daylight Sensor - Ceiling OF Occupancy Sensor - Fixture PF Photocell / Daylight Sensor - Fixture OPC Occupancy / Daylight Sensor - Ceiling OPF Occupancy / Daylight Sensor - Fixture *Sensor will be matched to dimming input.	MRL 2" LED Downlight Module* M Multi-Circuit R Right End cap Feed L Left End cap Feed N New York City Code K Natatorium Application*** Q Wet Location**** MRI MRI *Specify required quantity, see LED Module Addendum for additional ordering details, page 10. **Submit multi-circuiting requirements ***Not available with aircraft cable nor horizontal setoff bracket. See guide and contact Design Assist. Not compatible with Drop Lens and Flat Blade Louvers. ****Client must specify power feed location. Not available with aircraft cable nor horizontal setoff bracket. Wet location suitable in full coverage and/or mullion mounted applications (direct to sky not recommended); not suitable for extreme weather applications. Refer to Wet Location brochure and contact Design Assist for more information. Not compatible with Drop Lens and Flat Blade Louvers.

LIGHT DISTRIBUTION

DISTRIBUTION

Direct Symmetric
Direct Asymmetric

OUTPUT

LH: High output - 9.8 W/ft
LS: Standard output - 4.8 W/ft
C: Custom tuned output - Contact Design Assist

PHOTOMETRIC DATA

DIRECT SYMMETRIC
LH - 3500K - HE TECH™

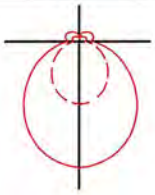
Lumens: 1114lm/ft
Input watts: 9.8 W/ft
Efficacy: 114 lm/W

LH: ———
LS: – – – –

DIRECT SYMMETRIC
LH - 3500K - DROP LENS

Lumens: 926 lm/ft
Input watts: 9.8 W/ft
Efficacy: 94 lm/W

LH: ———
LS: – – – –



DIRECT SYMMETRIC
LH - 3500K - FLAT LOUVERS

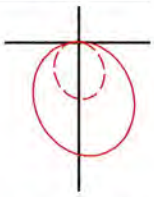
Lumens: 990 lm/ft
Input watts: 9.8 W/ft
Efficacy: 101 lm/W

LH: ———
LS: – – – –

DIRECT ASYMMETRIC
LH - 3500K - ASYMMETRIC WISP

Lumens: 469 lm/ft
Input watts: 9.8 W/ft
Efficacy: 98 lm/W

LH: ———
LS: – – – –



DIRECT SYMMETRIC
LH -17°- 3500K - DOWNLIGHT MODULE

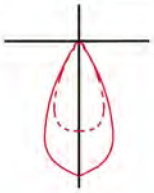
Lumens: 982 lm
Input watts: 9.9 W
Efficacy: 99 lm/W

LH: ———
LS: – – – –

DIRECT SYMMETRIC
LH -48°- 3500K - DOWNLIGHT MODULE

Lumens: 985 lm
Input watts: 9.9 W
Efficacy: 100 lm/W

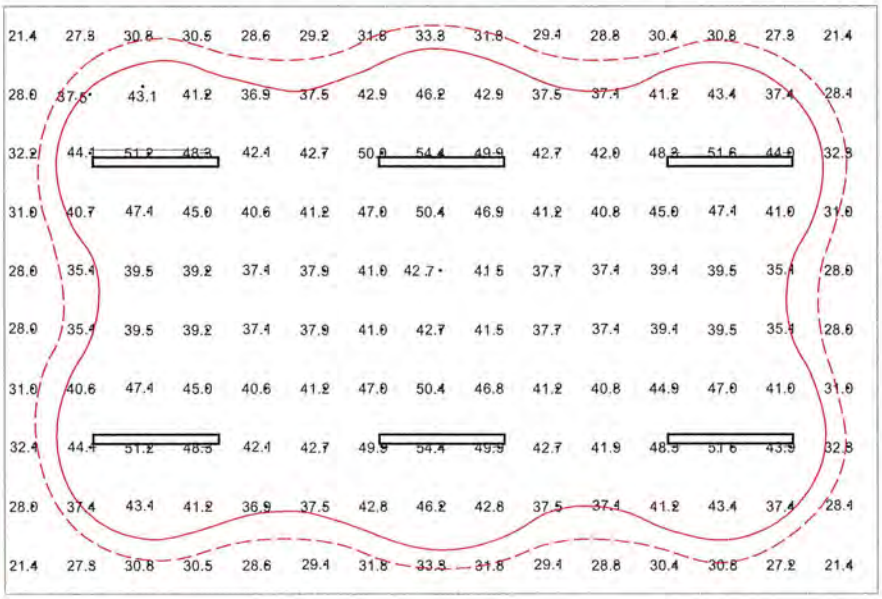
LH: ———
LS: – – – –



SAMPLE INSTALLATION - WORKSPACE

LH DOWN - 3500K

Room dimensions: 20'L x 30'W x 12'H
Reflectance: 80% / 50% / 20%
Mounting height: 9 ft A.F.F.
Fixture length: 4 ft
Calculation grid: 2 ft x 2 ft
Calculation plane (horizontal): 2.5 ft A.F.F.
Average Illuminance: 38 fc
Fixture spacing: 8 ft x 10 ft
Uniformity: 1.6:1 (avg/min)



TOP VIEW
30 fc: ———
25 fc: – – – –

LIGHT LOSS FACTORS (LLF)

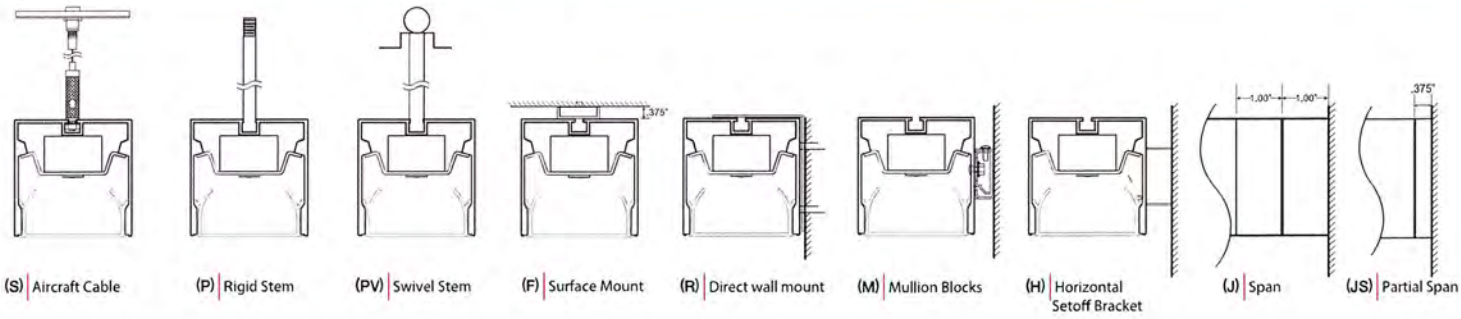
OUTPUT	CCT	CRI 80+					CRI 90+				
		%	OPTICS				%	OPTICS			
			HE Tech™	Asymmetric WISP	Drop Lens	Flat Blade Louver		HE Tech™	Asymmetric WISP	Drop Lens	Flat Blade Louver
LH (High)	4000k	100%	1135 lm/ft	991 lm/ft	946 lm/ft	1011 lm/ft	88.3%	1002 lm/ft	877 lm/ft	835 lm/ft	893 lm/ft
	3500k	97.9%	1114 lm/ft	972 lm/ft	926 lm/ft	990 lm/ft	85.4%	969 lm/ft	848 lm/ft	808 lm/ft	863 lm/ft
	3000k	94.2%	1069 lm/ft	935 lm/ft	891 lm/ft	952 lm/ft	80.7%	916 lm/ft	801 lm/ft	763 lm/ft	816 lm/ft
	2700k	90.6%	1028 lm/ft	900 lm/ft	857 lm/ft	916 lm/ft	76.5%	868 lm/ft	760 lm/ft	724 lm/ft	773 lm/ft
LS (Standard)	4000k	100%	586 lm/ft	478 lm/ft	488 lm/ft	522 lm/ft	88.3%	517 lm/ft	423 lm/ft	461 lm/ft	431 lm/ft
	3500k	97.9%	575 lm/ft	469 lm/ft	478 lm/ft	511 lm/ft	85.4%	500 lm/ft	409 lm/ft	446 lm/ft	417 lm/ft
	3000k	94.2%	552 lm/ft	451 lm/ft	460 lm/ft	492 lm/ft	80.7%	473 lm/ft	387 lm/ft	421 lm/ft	394 lm/ft
	2700k	90.6%	531 lm/ft	434 lm/ft	442 lm/ft	473 lm/ft	76.5%	448 lm/ft	366 lm/ft	399 lm/ft	373 lm/ft

For standard output (LS) -50%.

TUNNABLE WHITE | LIGHT LOSS FACTORS (LLF)

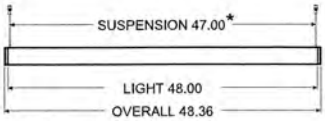
OUTPUT	CCT	CRI 80+				
		%	OPTICS			
			HE Tech™	Asymmetric WISP	Drop Lens	Flat Blade Louver
LH (High)	5000k	100%	860 lm/ft	687 lm/ft	783 lm/ft	837 lm/ft
	2700k	91.0%	783 lm/ft	643 lm/ft	733 lm/ft	783 lm/ft
LS (Standard)	5000k	100%	410 lm/ft	361 lm/ft	412 lm/ft	440 lm/ft
	2700k	92.2%	378 lm/ft	338 lm/ft	386 lm/ft	412 lm/ft

For standard output (LS) -50%. Values are applicable for Tunable White and Dim-to-warm only.

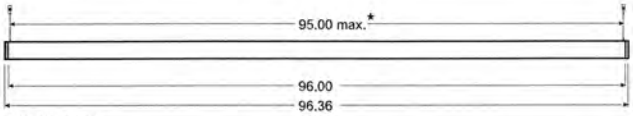


(S) | Aircraft Cable (P) | Rigid Stem (PV) | Swivel Stem (F) | Surface Mount (R) | Direct wall mount (M) | Mullion Blocks (H) | Horizontal Setoff Bracket (J) | Span (JS) | Partial Span

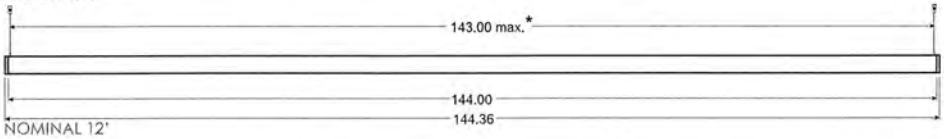
MOUNTING LENGTHS



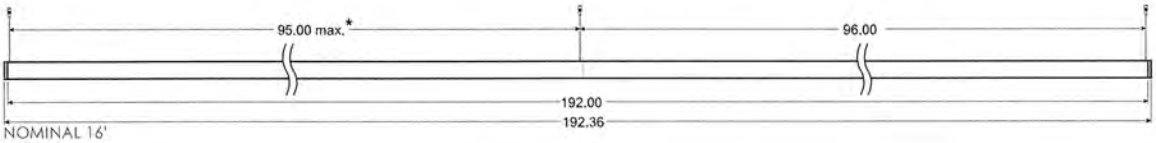
NOMINAL 4'



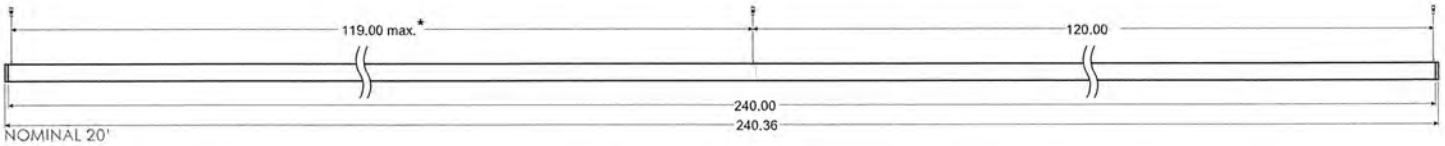
NOMINAL 8'



NOMINAL 12'



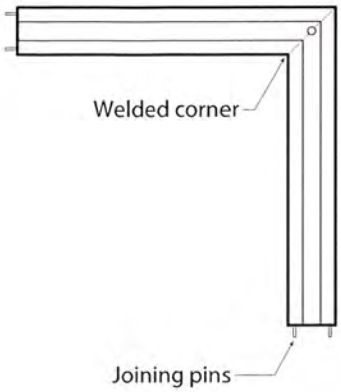
NOMINAL 16'



NOMINAL 20'

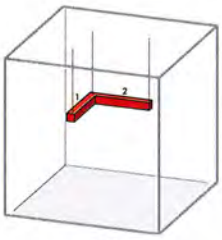
Maximum dimensions shown for suspension points, all aircraft cable mounting lengths are adjustable on site.
*For nLight AIR applications: gripper needs to be at least 3.5" from the antenna. Refer to nLight dimensions section for more details.

CORNER DETAIL



STANDARD PATTERNS


Custom Pattern*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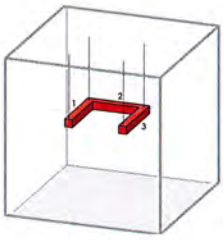
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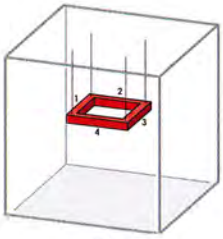
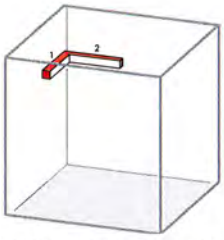
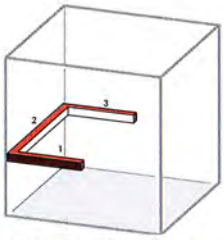

PR


PLCW | Wall to Ceiling

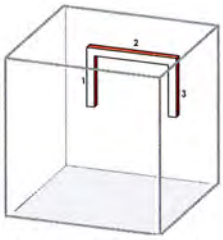

PLWW | Wall to Wall


PLW | Wall Only

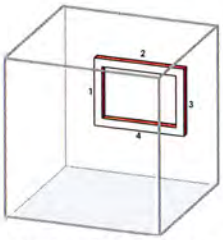

PLC | Ceiling Only


PUWW | Wall to Wall


PUCW | Wall to Ceiling to Wall


PUW | Wall Only


PUC | Ceiling Only


PRW | Wall Only

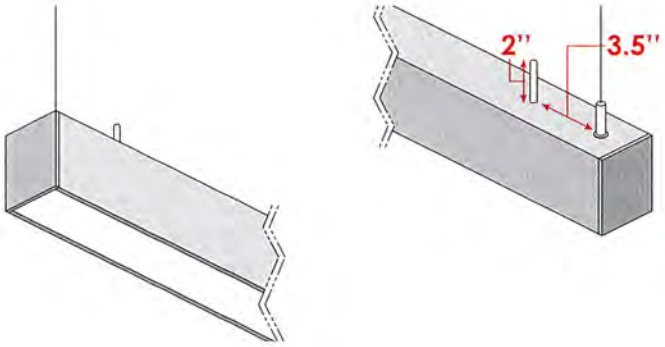

PRC | Ceiling Only


PRWW | Rectangle Wall to Wall

*Contact design assist for custom patterns.

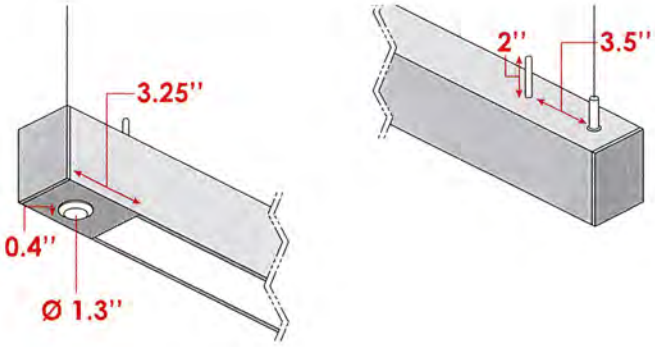
NLIGHT® DIMENSIONS

AIR : rl0



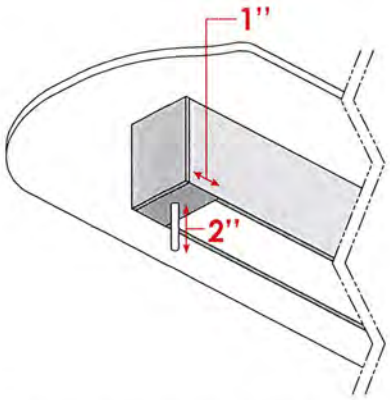
*Fixture mounted sensors and filler panel for nLight AIR only.

AIR : res7



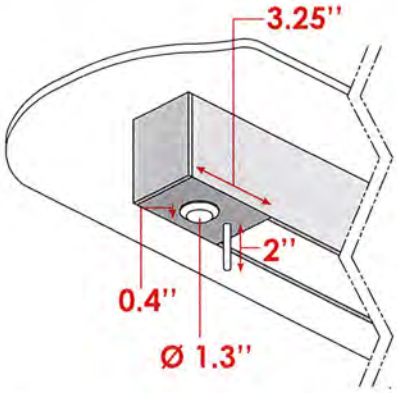
*Fixture mounted sensors and filler panel for nLight AIR only.

AIR : rl0 Surface



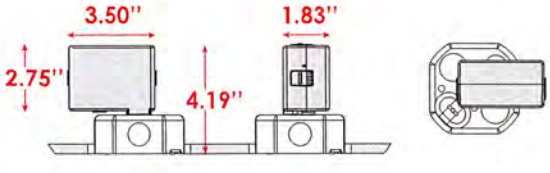
*Fixture mounted sensors and filler panel for nLight AIR only.

AIR : res7 Surface



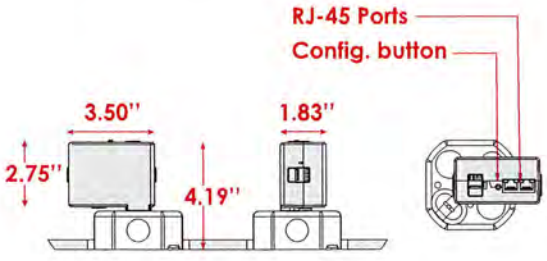
*Fixture mounted sensors and filler panel for nLight AIR only.

Air : rPP20



*Mounted on standard 4" octagonal j-box. Fits on any j-box with 5/8" knockouts

WIRED : nPP16



*Mounted on standard 4" octagonal j-box. Fits on any j-box with 5/8" knockouts

LINEAR DIMENSIONS

Elements - 4', 8', and 12' nominal length individual fixtures that can be joined to create continuous row lengths.

Integrations - Nominal or exact lengths to the nearest 1/8th of an inch available as individual fixtures or joined to create continuous row lengths, minimum fixture lengths is 12 inches. Patterns comprised of 90 degree precisely welded fully illuminated corners provide a multitude of geometric options and architectural transitions.

Custom - Contact Design Assist for modifications to product not detailed within specification sheets.

OPTICS

HE Tech™ patented high efficacy extruded diffuse acrylic lens technology with integrated opaque white reflector delivers superior lumen output with optimal uniform lens surface luminance for direct distribution.

Flat Blade Louvers are used to cut down on glare and better control the light source on ALD3ST. This option includes a linear film diffuser (inserted between the louvers and the LEDs), that enhances glare control and lends light sources. The standard finish is aluminum. Other colors and custom finish options available, specify RAL# or contact factory regarding custom finish requirement.

Drop Lens is a light diffuser option for ALD3ST that turns the luminaire into a decorative graphical statement. The diffuser drops down from the luminaire's main body of 1" and sits flush with the metal end caps. Once lit, the drop lens glows vividly and offers a wider diffusion pattern.

Awash Kicker + WISP produces a soft asymmetric distribution with a diffuse white extruded acrylic lens.

Polycarbonate Flush WISP is an alternative option of the diffuse white extruded lens with polycarbonate material properties such as impact resistance.

Wall Grazer optic offers a custom designed high efficiency parabolic reflector combined with an extruded diffuser for a powerful uniform wall grazing effect.

LED LIGHT SOURCE

Custom manufactured linear board array uses high performance Nichia® LED in combination 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. 2700K, 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 Low, Standard, and High outputs. Refer to photometry for delivered lumens. Custom output available in the range 25% to 125% of high output, contact factory.

LED DIMMING DRIVER

Factory tuned constant current electronic 0-10V control dimming driver is standard. Specification grade dimming down to 1%. Driver life of 50,000 hrs with ambient operating temperature range of -20°C to 50°C, maximum case temperature of 80°C. Electrical specifications at maximum driver load: PF >0.9, THD <20%, >85% Efficiency. Other available drivers include Lutron Hi-lume 1% EcoSystem LED Driver (LDE1) with Soft On, Fade to Black dimming technology; and DMX and DALI protocol drivers. Other Lutron and specialty drivers available, contact factory.

EMERGENCY

This luminaire is provided with a factory installed LED emergency lighting battery pack for both normal and emergency operation, 120-277v only. This fixture integrated unit contains long-life Ni-Cad recyclable battery, 24 hour charger, and converter circuit. Test switch and charge indicator provided. Test button to be remote located within 3 feet of the luminaire, in accordance with local code. Emergency mode provides constant power to a nominal 12W LED load for a period of 90 minutes, delivering 1200 lumens of unwavering illumination throughout the full 90 minute emergency duration. Unless otherwise specified, the emergency battery pack will illuminate one 2 foot end in the direct portion of the fixture. Not available in fixtures <4ft'.

Emergency circuiting provided as a separate circuit from normal power circuit according to NEC requirements, specify circuit length and location.

CONTROLS

Low-profile integral occupancy and daylight sensors are available to deliver high performance control in an architecturally pleasing package.

Integrated nLight ® for system networking wired and wireless:

NLIGHT ® AIR WIRELESS

The integrated API smart sensor is part of each luminaire in the nLight® AIR network, which can be grouped to control multiple luminaires. The granularity of control with the digital PIR occupancy detection and daylight sensing makes a great solution for any application. Optionally you can order nLight® AIR less sensors for compatibility with an nLight Air wireless system. The rIO, rES7, rMSOD, and rCMS models are available for integration.

CONTROLS AND SYSTEM NETWORKING OPTIONS

For wired networking via Cat-5e, choose an nLight® wired module. The nIO EZ PH, nIO EZDL CCT, nES7 and nCM are available for integration.

Other manufacturer controls may be available for product integration, contact factory.

MOUNTING

Suspension with aircraft cables or pendant stems, and full or partial span mounting available.

Aircraft cable set includes 48" standard length 1/16" stainless steel adjustable aircraft cables with secure micro grippers to field set suspension length and adjustable suspension points to accommodate existing architecture, comes factory pre-installed in fixture. 4-1/2" x 4-1/2" square white canopies. Cord strain also included. Power cord options available for aircraft cable. Black power cord provided for black and titanium finish, white power cord provided for all other fixture finishes unless otherwise specified.

Rigid pendant stem-set includes 1/4" hollow white threaded rod for suspension and power feed. Factory pre-drilled power feed and tapped holes, submit dimension requirements when ordering. Standard specification length, 6" minimum. 5" square mono point white canopies.

Swivel stem set includes 1/4" hollow white threaded rod for suspension and power feed, standard specification length, 6" in minimum. 5" in square mono point white 45-degree angle swivel stem. Factory pre-drilled power feed and tapped holes, submit dimension requirements when ordering.

Specify if another suspension length is required. Canopies provided as required for the quantity of power feed and non-power feed locations (crossbar included). Specify if another shape, size, or color is required.

Direct wall mounting is ADA compliant. Fixture mounts directly to wall surface requiring field drilled mounting and power feed holes. Factory pre-drilled holes can be drilled and tapped for ½" chase nipple, submit dimension requirements when ordering.

Direct wall mounting bracket is used with the top groove of the fixture to mount flush to the wall surface to provide a firm flexible mounting option, requiring field drilled mounting and power feed hole. Factory pre-drilled hole for power feed can be drilled, submit dimension requirements when ordering.

Surface ceiling die-cast mounting blocks with sheet metal brackets are used to provide a firm flexible mounting option in any orientation the system might be installed in. Submit whip length if required.

Mullion die-cast mounting blocks with sheet metal offset box are used to mount fixture to a horizontal or vertical window mullion and can also be used to offset fixture from wall providing flexible mounting option in horizontal orientation of 1.5" in. ½" deep die-cast aluminum blocks with ½" or 1" sheet metal deep box are available standard, 1½" and 2" deep blocks also available upon request. (2) kit blocks provided for fixtures 8ft or less, fixtures larger than 8ft provided with (3) kit blocks every 12ft. Power feed holes pre-drilled and pre-installed mullion blocks parts at factory. Standard mullion block center location point has a 3" distance from endcap. Submit custom dimension requirements when ordering.

Partial / Full span mounting conditions utilize special expansion joint end caps to mount fixture to the wall (blocking required) and feed power through the end cap, specify end feed location. Additional attachment hardware provided as required depending on partial span condition. Provide architectural details at time of ordering for inclusion in factory shop drawings; field verified dimensions required for full span mounting.

STRUCTURE

Robust, high quality 60% recycled aluminum extruded housing. 0.040" thick aluminum internal gear trays. Flat or flanged aluminum end caps. Aluminum joiner brackets. 2 lbs/ft approximate fixture weight.

FINISH

Electro-statically applied powder coat finish. Standard finish options include titanium, white, and black. Other colors and custom finish options available, specify RAL# or contact factory regarding custom finish requirement.

LISTING

UL/CUL rated for damp locations. Tested under UL 1598 and certified to CEC/CSA C22.1, NEC, ANSI/NFPA 70, and NOM-001-SEDE.

UL Wet location label available. Complies with UL definition of wet locations to prevent the accumulation of water on live parts, electrical components, other conductor not identified for use in contact with water through the provision of weep holes. Waterproof connector to be provided by others. Installing contractor responsible for properly sealing and waterproofing all mounting and power feed locations.

The ALD3ST is assembled in the U.S.A. and comply with the Buy America(n) Act (BAA) government procurement requirements under FAR, DFARS, and DOT.

WARRANTY

A-Light warrants that, for a period of five (5) years from the date of shipment to the original customer at the original installed location, each product will be free from any defects in material and workmanship which cause the product to fail to operate in accordance with the products' performance specifications as they exist at the time of shipment. This limited warranty is void under certain conditions. Wet location fixtures are not recommended for extreme wet weather conditions and must be installed according to factory drawings; there is a modified warranty for LED components installed in applications not following factory recommendations/drawings. Please refer to the full terms and conditions on our website.

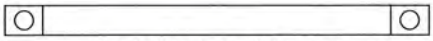



REQUIRED SPECIFICATION INFORMATION AS ADDENDUM TO CUT SHEET

LED DOWNLIGHT MODULE (MRL__)

Configuration

E



Modules located on fixture ends

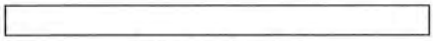
C

Modules located in center of fixture

EC

Modules located in center and on ends

P



Custom configuration

Wattage

4	4W
8	8W

Voltage

U	Universal 120V - 277
3	347V

CCT

30	3000K *(ansi binned warm white)*
35	3500K *(ansi binned warm white)*
40	4000K *(ansi binned neutral white)*

Beam Angle

17	17° total beam angle *(narrow spot)*
48	48° total beam angle *(wide flood)*

Dimming

D	Dimming for module *(if dimming is desired for entire fixture and MRL modules choose D on this sheet and under options on fixture cutsheet)*

MODULE CONSTRUCTIONS: Heavy-duty, milled-aluminum plate module contains one recessed cutout and a flush mounted LED module.

Internal gimbal device allows easy lamp adjustability, with continuous rotation greater than 360°, aimable vertically up to 15° angle on D (3.5") series and 30° on G (5") series.

CIRCUITING STANDARDS: LED downlight modules are on a separate circuit from linear section of the fixture. "D" dimming is required on the addendum if dimming is desired for LED downlight modules. If dimming is also desired for the linear section, "D" must be specified on the fixture cutsheet as well.

LAYOUT: Indicate quantity of modules per row after "MRL_" in fixture cutsheet nomenclature. i.e. MRL1, MRL2, MRL3, etc.

Module length to be determined by factory and shown in submittal drawings for approval. Typical module length is approximately 6".

All module lengths are approximate until ceiling and row configuration is known. Module lengths may be specially constructed for irregular row lengths in certain ceilings. Modules may be specified up to 48" long.

INTEGRAL DRIVER: Universal 120v - 277 or 347v driver.

FINISH: Electrostatically applied post powder coat module finish. Color will match luminaire unless otherwise specified.

LISTING: UL/CUL. Damp location is standard.

All precise module lengths will be determined by factory to accommodate for row length variations due to ceiling type and to allow for proper ventilation.