

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
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

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.

ORDERING CODE

<b>D5</b>
<b>U</b>
<b>FT</b>

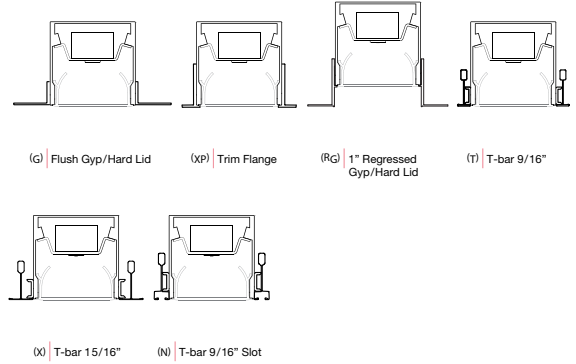
PROJECT INFO

DATE

TYPE

QUANTITY

MOUNTING OPTIONS



Fast track nomenclature only. For complete nomenclature see "standard" spec sheet.

D5					U		
SERIES	LENGTH OR PATTERN TYPE	OUTPUT	LED CCT	LED CRI	VOLTAGE	DIRECT OPTICS	MOUNTING
D5	_ Nominal Length* M_ Exact Length**	LH High output LS Standard output C_ Custom output*	27 2700K 30 3000K 35 3500K 40 4000K	_ 80+ CRI CRI 90+ CRI	U 120V-277V	HE HE Tech™ KS Awash Kicker + WISP™** DL 1" Drop Lens**	G Flush Gyp / Mud Over Flange RG 1" Regressed Gyp / Mud Over Flange XP 1/2" Trim Flange T T-Bar 9/16" X T-Bar 15/16" N T-Bar 9/16 Slot
*Specify in feet to the nearest foot (i.e. 12) **Specify in inches to the nearest 1/8 (i.e. M180.125)		*Available from 25% to 125% of LED High Output.				* Painted filler panels required for exact lengths. We are unable to fully light some lengths. **Not available with Wet Location. Finish required on all mounting types with Drop Lens.	

FINISH		DIMMING		OPTIONS		FT	
						OTHER	
T Titanium W White B Black	D Standard 0-10V dimming* NAIR nLight @AIR (dim-to-off)**	Q Wet Location* CP Chicago Plenum			FT Fast Track*		
*Only required on RG and XP mounting types and with Drop Lens. Slim endcap covering the ends of the drop lens will be visible and will need to be painted.	* 1% Dimming standard unless otherwise specified. **nLight AIR components completely integrated into fixture.	*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. Wet Location brochure must be acknowledged. Contact Design Assist for more information. Not compatible with Drop Lens.				*Option must be in part number in order to be considered fast track.	

**LIGHT DISTRIBUTION**

DISTRIBUTION

Direct Symmetric

OUTPUT

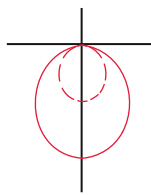
LH: High output - 9.5 W/ft  
 LS: Standard output - 4.5 W/ft  
 C: Custom tuned output - Contact Design Assist

**PHOTOMETRIC DATA**

DIRECT SYMMETRIC  
 LH - 3500K - HE TECH™

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

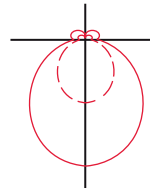
LH: ———  
 LS: - - - - -



DIRECT SYMMETRIC  
 LH - 3500K - DROP LENS

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

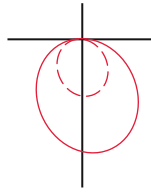
LH: ———  
 LS: - - - - -



DIRECT ASYMMETRIC  
 LH - 3500K - ASYMMETRIC WISP

Lumens: 972 lm/ft  
 Input watts: 9.8 W/ft  
 Efficacy: 98 lm/W

LH: ———  
 LS: - - - - -



**SAMPLE INSTALLATION - WORKSPACE**

LH DOWN - 4000K

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: 36 fc  
 Fixture spacing: 8 ft x 10 ft  
 Uniformity: 1.6:1 (avg/min)



TOP VIEW  
 30 fc: ———  
 25 fc: - - - - -

## D5 | PHOTOMETRY

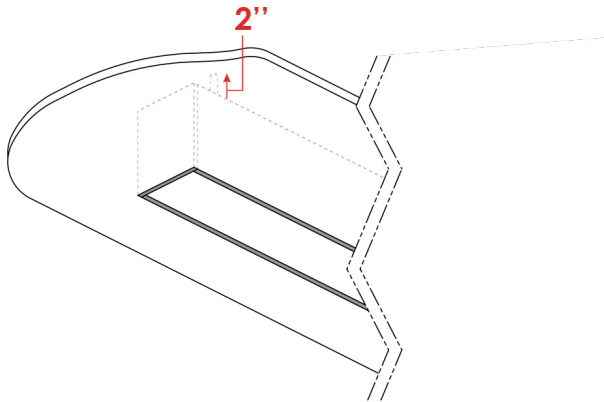
### LIGHT LOSS FACTORS (LLF)

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

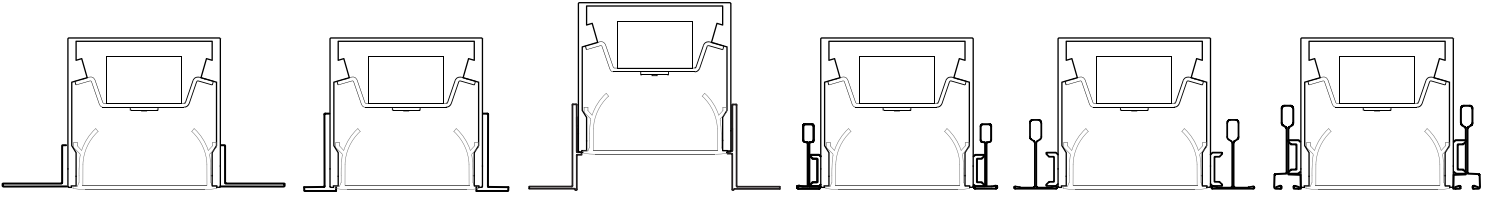
For standard output (LS) -50%.

## D5 | NLIGHT

AIR : rIO Recessed



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



(G) | Flush Gyp/Hard Lid

(XP) | Trim Flange

(RG) | 1" Regressed  
Gyp/Hard Lid

(T) | T-bar 9/16"

(X) | T-bar 15/16"

(N) | T-bar 9/16" Slot

## LINEAR DIMENSIONS

Nominal or exact lengths to the nearest 1/8th of an inch available as individual fixtures or joined to create continuous row lengths.

## 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.

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

Drop Lens is a light diffuser option 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. It is not available in natatorium or wet locations.

## 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>60,000hr; operated at reduced output for high efficacy and lumen maintenance. 2700K, 3000K, 3500K, and 4000K with 80+ CRI standard; 90+ CRI available. 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 in the range of 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.

## CONTROLS

Integrated nLight® for system networking wireless:

### NLIGHT® AIR WIRELESS

The nIO model is available for integration.

## MOUNTING

Common recessed mounting options available. Contact factory for applications regarding modified recessed mounting conditions.

Flush Gypsum Flange: Raw aluminum flange is attached to blocking (by others), then mudded over and/or painted by installing contractor to provide a "flangeless" fixture appearance in recessed ceiling/wall applications.

Trim Flange: 1/2" wide visible powder coated flange, specify finish requirement. Fixture is mounted to structure using threaded rod (by others) or ceiling tie wires (provided). Use of a-clamp™ secures fixture trim and housing around ceiling/wall material. Use for any gypsum or hard ceiling/wall that requires a minimal flange covering the ceiling cut-out edge.

T-Bar/Grid Ceiling. 9/16" or 15/16" standard T-Bar or 9/16" slot ceiling. Raw aluminum flange sits on T-Bar and is concealed from view. 4" Armstrong Techzone™ / USG Logix™ or other 4" Utility Systems. Suitable for use in 4" on-center standard or slot T-Bar systems.

## 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

Electrostatically applied powder coat finish. Standard finish options include titanium, white, and black.

## LISTING

IC Rated for IC, Airtight, CCEA Ceilings. CCEA mark applied for Chicago Plenum applications. 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.

UL Wet location label available. Complies with UL definition of wet locations to prevent accumulation of water on live parts, electrical components, or 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 field drilled mounting and power feed locations.

## 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.