

PROJECT: _____

TYPE: _____

PRODUCT: _____

APPROVED BY: _____

PRODUCT FEATURES

- Intended for Public Areas, Corridors, Stairways, Underpasses, Parking Garages, Restrooms, Lobbies, Schools, and more
- Available in 2' - 8' lengths
- Up to 1200 lumens/ft.
- One-piece doorframe with continuous lens retention and tamper-resistant fasteners
- Certified to UL standards by Intertek Testing Laboratory,IP65 rated per IEC60598. NSF2/Non-Food Zone Listed, IK10 Listed per IEC60068-2-75, IC Rated
- This product is Made in America and complies with the Buy American Act (BAA)
- The HAL Series is covered by the New Star Promise



HAL Series

ORDERING INFORMATION

Example: HAL48-FL-500-35-90C-AM-D-SYM-UN-DM1



HAL						
Series	Nominal Length*	Ceiling Configuration	Lumen Output*	Color Temp.	BIOS	CRI
	24 = 2'	TB9 = 9/16" Lay-In Grid	500 = 500LM/FT-Min	30 = 3000K	BIOS Color Temp.	80C = 80 CRI
	36 = 3'	TB15 = 15/16" Lay-In Grid	1200 = 1200LM/FT-Max	35 = 3500K	B35 = 3500K	90C = 90 CRI
	48 = 4'	TG9 = 9/16" Tegular Grid		40 = 4000K	B40 = 4000K	
	72 = 6'	TG15 = 15/16" Tegular Grid		50 = 5000K	B50 = 5000K	
	96 = 8'	FL = Flange		Tunable White	BIOS Tunable CCT	
	*Available in 1' increments. Consult factory for other lengths.	NFL = No Flange	*Outputs between listed min and max are available.	TW1 = 2700K to 5000K	BTW1 = 3500K-2700K	
		ST = Screw Slot		TW2 = 2700K to 6500K	BTW2 = 4000K-2700K	
		TM = Trimless Mud-In for 5/8" Drywall				

Finish	Outer Lens	Inner Lens	Voltage	Driver Type	Options
AM = Antimicrobial White*	D = .250 Clear Poly.	SYM = Symmetrical	12 = 120V	DM1 = 0-10V Dimming with 1-100% range	B(#) = Battery Pack*
C = Custom**		ASY = Asymmetrical	27 = 270V	DMT = 0-10V & TRIAC/ELV	GTD(1) = Generator transfer device*
Standard finish.			34 = 347V	BIOS Driver*	+E(1) = Emergency section
Consult factory for NSF.			UN = Universal (120V-277V)	STC = Static BIOS	LV3 = Independent Load Dimming LVC**
			*347V only available with DM1 Drivers.	DMB = Dynamic BIOS Dimming***	
				*BIOS driver requires choice of either static or tunable BIOS options in Color Temp section	*Available for fixture lengths of 4' or greater
				**0-10V with Dimming from 1%-100%	**Click here for more information.
				***0-10V Intensity Dimming to 1% and Dim-to-Dark capabilities	Provides control of lighting from a pillow speaker, bedside rail or wall switch. Leads are factory labeled.
				Tunable White Driver+	
				TWD = 2-Channel 0-10V DALI8	
				DALI8 = 1-Channel DALI8	
				+Tunable White Driver requires choice of TW1 or TW2 in Color Temp column. Does Not apply to BIOS	

SPECIFICATIONS

HOUSING: Extruded aluminum construction with sheet metal endcaps. Closed cell neoprene pad in doorframe.

LENS: Combination of acrylic and/or polycarbonate prismatic inner lens, clear outer lens, maximum thickness 0.25" for durability.

DOORFRAME: Die-formed aluminum doorframe, with antimicrobial white powder-coat finish, secured with tamper-resistant Torx® fasteners. Safety aircraft cable also secures doorframe to housing for easy maintenance.

LED: Available in three color temperatures 3000K, 3500K, and 4000K with maximum 3-step MacAdam variation allowance. Tunable White also available, from 2700K – 5000K or 2700K–6500K. Minimum 50,000 hours with 85% lumen maintenance in a 25°C ambient temperature environment, compliant with IES LM-80 testing standards.

ELECTRICAL: Standard 120-277VAC 50/60Hz or 347VAC 60Hz electrical input with serviceable constant-current drivers (<10%THD, >0.90 PF). 0-10V Dimming with 1-100% range.

TUNABLE DRIVER OPTIONS:

DALI8 – DALI Type 8 (One DALI Address)

TWO – Two channel 0-10V dimming: one channel for brightness, one channel for CCT

OPTIONAL BIOS DRIVER OPTIONS:

STC – BIOS control 0-10V with Dimming from 1%-100% and Dynamic Bios Dimming with 0-10V Intensity Dimming to 1% and Dim-to-Dark capabilities.

DMB – Dynamic BIOS control 0-10V with dynamic spectrum and BIOS SkyBlue® with Bio-Dimming™, which changes a spectral qualities by removing the SkyBlue component when dimming from 100%-51%, while light output remains relatively constant; CCT will decrease approximately 500K through bio-dimming; dimming from 50% to 1% will then reduce light output.

FINISH: Antimicrobial white polyester powder finish following multi-stage ironphosphate pre-treatment on all exposed room-side surfaces. Custom finishes also available.

INSTALLATION: Recessed Grid, Screw Slot Grid, Drywall Flange, Drywall Flangeless and Mud-In Flange options.

WARRANTY: Five (5) year warranty.

LISTINGS: Fixture is certified to UL standards by Intertek Testing Laboratory. IP65 Rating per IEC6598. Certified for NSF2 Splash Zone/ Non-Food Zones. IC Rated. Standard CCEA compliance. This product is Made in America and complies with the Buy American Act (BAA).

DIMENSIONAL DATA

		Fixture Length				
		2'	3'	4'	6'	8'
		(24")	(36")	(48")	(72")	(96")
Mounting	ST	23.875	35.875	47.875	71.875	95.875
	TB9	23.87725	35.87725	47.87725	71.87725	95.87725
	TB15	23.87725	35.87725	47.87725	71.87725	95.87725
	TG9	23.875	35.875	47.875	71.875	95.875
	TG15	23.5	35.5	47.5	71.5	95.5
	FL/NFL/TM	23.87725	35.87725	47.87725	71.87725	95.87725

*Additional dimensional information on page 3

The High Abuse Linear Series is covered by our New Star Promise.

Our promise means we will repair or replace any of our High Abuse or Vandal-Resistant architectural luminaires when installed according to our instructions for the life of the original installation if the fixture should fail due to physical abuse*.

*Damage caused by gunfire and chemical reactions is not covered by the New Star Promise.



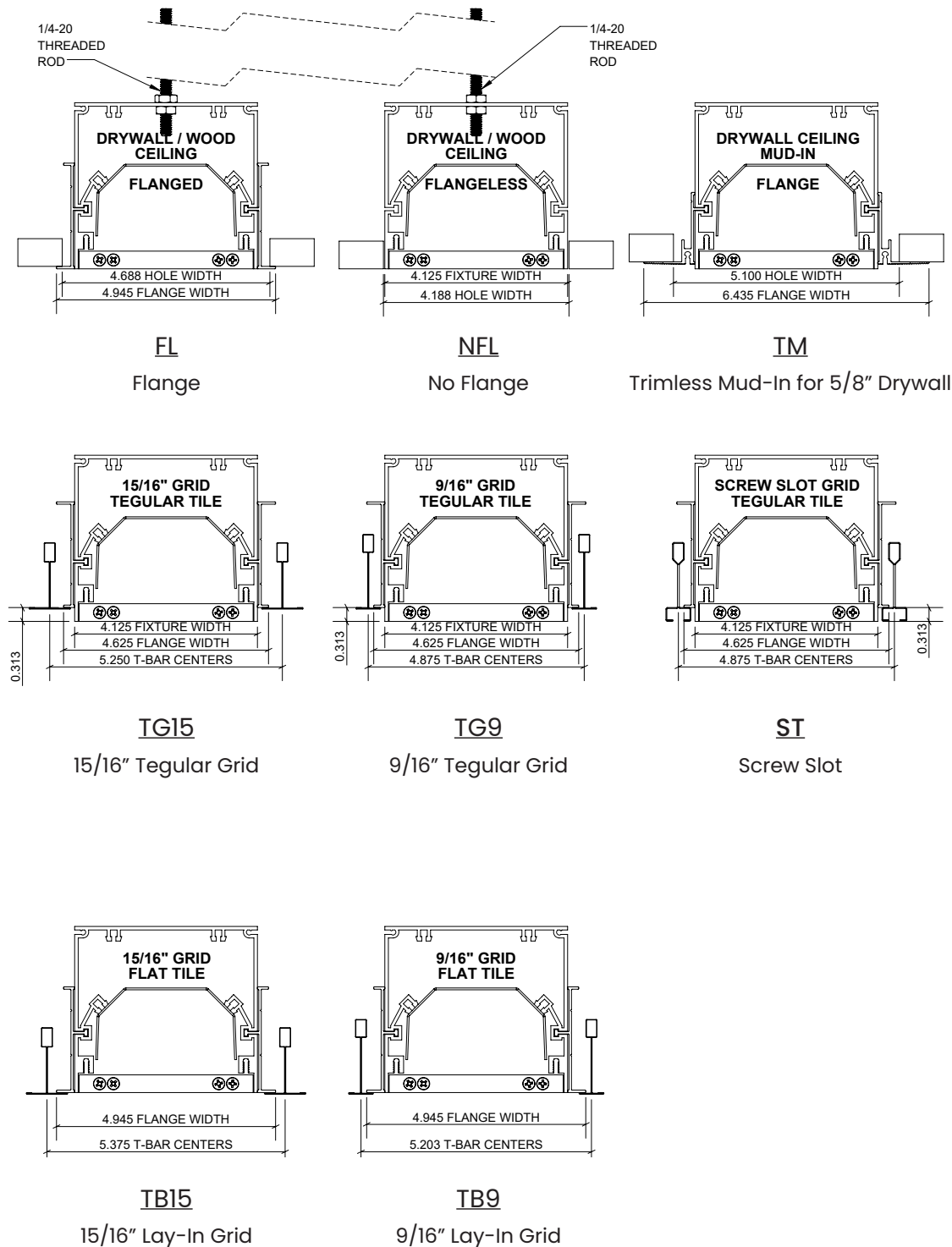
New Star Lighting

2225 W Pershing Rd, Chicago, IL 60609
(773) 847-1400
www.newstarlighting.com

Specifications and dimensions are subject to change without notice. For additional options and dimensional details, please consult your New Star Lighting representative.

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DIMENSIONAL DATA (CONT.)



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PERFORMANCE DATA

Model	Light Distribution	CCT	Lumens per Foot	Efficacy (lm/W)	Input Power (W)
HAL24	Symmetric	4000K	500	95	11
	Symmetric	4000K	1181	95	25
	Asymmetric	3000K	500	85	12
	Asymmetric	3000K	1067	85	25
HAL36	Symmetric	4000K	500	95	16
	Symmetric	4000K	1181	95	37
	Asymmetric	3000K	500	85	18
	Asymmetric	3000K	1067	85	38
HAL48	Symmetric	4000K	500	95	21
	Symmetric	4000K	1181	95	50
	Asymmetric	3000K	500	85	23
	Asymmetric	3000K	1067	85	50
HAL72	Symmetric	4000K	500	95	32
	Symmetric	4000K	1181	95	75
	Asymmetric	3000K	500	85	35
	Asymmetric	3000K	1067	85	75
HAL96	Symmetric	4000K	500	95	42
	Symmetric	4000K	1181	95	99
	Asymmetric	3000K	500	85	47
	Asymmetric	3000K	1067	85	100



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