## DENALI - TWIN SIGN STAR STYLE "A" LED (INTEGRAL)

DATE:

PROJECT:

TYPE:

CATALOG NUMBER LOGIC:



#### \*Requires Safety Cable (SC).

\*\*Accommodates up to 2 lens/shielding media

\*\*\*120V only.



CATALOG NUMBER LOGIC		
Example: ST - 48 - A - DE - LED	) - TR - x99 - FL - BZP - 12 - 11 - C	C - SC - INC - 120
MATERIAL		
Aluminum		
SERIES		
ST - Twin Sign Star		
STEM LENGTH		
24" (Standard), 30", 36", *42", or *	48″	
STYLE		
A - Dual bend, 90° Radius		
FIXTURE		
DE - Denali Series		
SOURCE		
LED - Chip on Board (COB) Tec	hnology	
HOUSING		
TR - Integral Driver		
LED TYPE		
x98 - 13W/2700K/80CRI	x101 - 13W/2700K/90CRI	${ {                                  $
x99 - 13W/3000K/80CRI	x102 - 13W/3000K/90CRI	$\bigotimes$
x103 - 13W/3500K/80CRI	x104 - 13W/3500K/90CRI	$\bigotimes$
x100 - 13W/4000K/80CRI	x121 - 13W/4000K/90CRI	$\bigotimes$
x122 - 21W/2700K/80CRI	x126 - 21W/2700K/90CRI	$\bigotimes$
x123 - 21W/3000K/80CRI	x127 - 21W/3000K/90CRI	$\bigotimes$
x124 - 21W/3500K/80CRI	x128 - 21W/3500K/90CRI	$\bigotimes$
x125 - 21W/4000K/80CRI	x129 - 21W/4000K/90CRI	$\bigotimes$
OPTICS		
SP - Spot (17°) FL - Flood (4	45°) WFL - Wide Flood (55°)	
FINISH (See page 3 for full-co	olor swatches)	
Standard Finishes (BZP, BZW, B	LP, BLW, WHP, WHW, SAP, VER)	
Premium Finish (ABP, AMG, AQ TXF, WCP, WIR)	W, BCM, BGE, BPP, CAP, CMG, C	CRM, HUG, NBP, OCP, RMG, SDS, SMC
Also available in RAL Finishes		
LENS TYPE**		
9 - Clear (Standard)		
12 - Sot Focus 13 - Rectilin	ear	
SHIELDING**		
11 - Honeycomb Baffle		
CAP STYLE		
A - 45°		
B - 90°		

E - 90° Less Weephole (Downward Aiming Only)

## OPTION

SC - Safety Cable with Mounting Canopy (Available for 30" and 36". Req. for 42" and above)

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09/14/2023 SKU-1378 P1 SUB-2832-00

## DENALI - TWIN SIGN STAR STYLE "A" LED (INTEGRAL)

DATE:

PROJECT:

TYPE:

CATALOG NUMBER LOGIC:

## CONTROL

ELV - Dimming Driver (For use with Electronic Low Voltage Dimmer)\*\*\*

INC - Dimming Driver (For use with Incandescent Dimmer)\*\*\*

010 - 0-10V Dimming Driver (Dimming  $\leq$ 3-100%)

## **INPUT VOLTAGE**

120 - 120 VAC

277 - 277 VAC



\*Requires Safety Cable (SC).

\*\*Accommodates up to 2 lens/shielding media

\*\*\*120V only.



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09/14/2023 SKU-1378 P2 SUB-2832-00

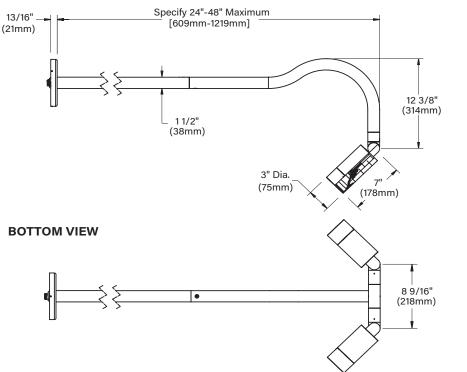
## DENALI - TWIN SIGN STAR STYLE "A" LED (INTEGRAL)

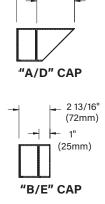


## PROJECT:

TYPE:

## **SIDE VIEW**





3 3/8"

(86mm)

5 1/4"

(133mm)



# 6 1/4" Dia. (158mm)

**COVER DETAIL** 

## STANDARD FINISHES



<u>Click Here</u> to view larger, full-color swatches of all available finishes on our website.

IGHT

## 

3 1/2" Dia. (88mm)

Standard w/ 42" & 48" lengths Optional w/ 30" & 36" lengths

#### SAFETY CABLE W/MOUNTING CANOPY

## PREMIUM FINISHES



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09/14/2023 SKU-1378 P1 SUB-2832-00

DENALI - TW	NTEGRAL)	IP66 RATED	
DATE:	PROJECT:	TYPE:	

Accessories (Configure separately)

#### SPECIFICATIONS ELECTRICAL WATTAGE 13W or 21W | FD LED COB technology and modular design with electrical quick disconnects allow for easy field upgrade and maintenance. LM-80 certified. Title 24, JA8 compliant options available. Minimum 50,000 hour rated life at 70% of initial lumens (L70). COLOR MANAGEMENT COB technology delivers natural white light. Exact color point conformity exceeds ANSI C78.377 standard. Module exceeds 80 CRI (RA>80, R9.16). Color point uniformity 2 SDCM color control for 2700K-4000K CCT. WIRING INC/ELV Wiring: 3 Wire, 18GA, Stranded, XLPE, 125°C, 300V, UL3265 rated wire 0-10 Wiring: 5 Wire, (3) 18GA and (2) 22GA, Stranded, XLPE, 125°C, 300V, UL3265 rated wire DRIVER Incandescent/ELV Control Option Driver: Dimming driver for use with standard incandescent or electronic low voltage dimmers (10-100% range), 120VAC only. 0-10 Control Option Driver: Dimming driver for use with standard 0-10V dimmers (≤3-100% dim. range), 120-277VAC. With [1] 440mA (13W) / 700mA (21W). 50/60Hz. >0.9 Power Factor, (INC/ELV)10.0A/(0-10) <250mA in-rush current , .20%THD (nominal at 120VAC full load). Output over-voltage, overcurrent, and short circuit protection with auto recovery. Class 2 power supply; FCC47CFR Part 15 Compliant Class B (120VAC)/Class A (277VAC). PHYSICAL MATERIALS Furnished in copper-free aluminum (6061-T6). STYLE A style provides dual bend, 90° radius from fixture to stem. BODY Unibody design with enclosed, water-proof wireway and integral heat sink is fully machined from solid billet. Anti-condensation and corrosion vent equalizes fixture pressure and eliminates potential for damage to internal components. KNUCKLE Patented 360HD mounting system features a mechanical taper-lock, which allows a full 180° vertical adjustment without the use of aim-limiting, serrated teeth. High temperature, silicone 'O' Ring provides water-tight seal and compressive resistance to maintain fixture position. Design withstands 73 lb, static load prior to movement to ensure decades of optical alignment. 1/2" pipe thread for mounting. Biaxial source control additionally provides 360° horizontal rotation in addition to vertical adjustment. Aim-and-Lock technology allows precision adjustment without the redundant tightening and loosening of knuckle screw. CAP Fully machined and accommodates two (2) lens or louver media. LENS Shock resistant, tempered, 1/8" thick soda lime glass lens is factory adhered to fixture cap and provides hermetically sealed optical compartment. OPTICS Interchangeable optics permit changes in the field. INSTALLATION 6 1/4" dia., machined canopy permits mounting to 4" octagonal junction box. Junction box installation must be designed to hold full fulcrum weight of fixture (junction box and gasket by others). Optional safety cable with mounting canopy maintains secondary support (standard with 42" and 48" lengths). Tamper-resistant, stainless steel hardware. LOCK aiming screw is additionally black oxide treated for HARDWARE TITLE 24, JA8 corrosion resistance. StarGuard, our 15-stage chromate-free process, cleans and conversion coats aluminum components prior FINISH to application of Class 'A' TGIC polyester powder coating and is RoHS compliant. WARRANTY 5-year limited warranty. **CERTIFICATION & LISTING** UL tested to IESNA LM-79. UL Listed. Certified to CAN/CSA/ANSI Standards. RoHS compliant components. Suitable for indoor or outdoor use, in wet locations. IP66 Rated. Made in the USA with sustainable processes.

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DATE:

## PROJECT:

TYPE:

## **DRIVER ELECTRICAL DATA**

Туре	AC Input Range	Frequency Hz	Power Factor At Full Load (Efficiency)	THD	InRush Current	Operating Current	Operation Ambient Temperature	Dimmer Type	Dimmer Range
Integral	120VAC	50/60	> 0.9	20%	10A	440mA (13W)/700mA (21W)	-30° C ~ 70°C	TRIAC/ELV	1-100%
Integral	105-300VAC	50/60	> 0.9	20%	<250mA	440mA (13W)/700mA (21W)	-30° C ~ 90°C	0-10	≤3-100%

## LM79 DATA

### **OPTICAL DATA**

BK No.	ССТ (Тур.)	CRI (Typ.)	Input Watts (Typ.)	L70 Data	Angle	CBCP	Del. Lumens	Muliplier
x98	2700	80	13	50,000	17	6,480	829	0.92
x98	2700	80	13	50,000	45	1,773	1,041	0.92
x98	2700	80	13	50,000	55	1,478	1,180	0.92
x99	3000	80	13	50,000	17	6,796	869	0.96
x99	3000	80	13	50,000	45	1,860	1,091	0.96
x99	3000	80	13	50,000	55	1,550	1,237	0.96
x103	3500	80	13	50,000	17	6,685	855	0.95
x103	3500	80	13	50,000	45	1,829	1,074	0.95
x103	3500	80	13	50,000	55	1,525	1,217	0.95
x100	4000	80	13	50,000	17	7,059	903	1.00
x100	4000	80	13	50,000	45	1,931	1,134	1.00
x100	4000	80	13	50,000	55	1,610	1,285	1.00
x101	2700	90	13	50,000	17	4,486	574	0.69
x101	2700	90	13	50,000	45	1,228	720	0.69
x101	2700	90	13	50,000	55	1,023	817	0.69
x102	3000	90	13	50,000	17	4,936	631	0.73
x102	3000	90	13	50,000	45	1,350	793	0.73
x102	3000	90	13	50,000	55	1,126	899	0.73
x104	3500	90	13	50,000	17	4,775	611	0.71
x104	3500	90	13	50,000	45	1,307	767	0.71
x104	3500	90	13	50,000	55	1,089	869	0.71
x121	4000	90	13	50,000	17	5,324	681	0.75
x121	4000	90	13	50,000	45	1,457	855	0.75
x121	4000	90	13	50,000	55	1,214	969	0.75
x122	2700	80	21	50,000	17	9,040	1,208	0.87
x122	2700	80	21	50,000	45	2,437	1,359	0.87
x122	2700	80	21	50,000	55	1,876	1,416	0.87
x123	3000	80	21	50,000	17	10,030	1,341	0.96
x123	3000	80	21	50,000	45	2,704	1,508	0.96
x123	3000	80	21	50,000	55	2,082	1,571	0.96
x124	3500	80	21	50,000	17	8,496	1,136	0.81
x124	3500	80	21	50,000	45	2,290	1,277	0.81
x124	3500	80	21	50,000	55	1,763	1,331	0.81
x125	4000	80	21	50,000	17	10,431	1,394	1.00
x125	4000	80	21	50,000	45	2,812	1,568	1.00
x125	4000	80	21	50,000	55	2,165	1,634	1.00

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## LAMP & DRIVER DATA (page 2 of 2)

DATE:

## PROJECT:

TYPE:

	LM79	DATA			OPTICAL DATA			
BK No.	ССТ (Тур.)	CRI (Typ.)	Input Watts (Typ.)	L70 Data	Angle	CBCP	Del. Lumens	Muliplier
x126	2700	90	21	50,000	17	6120	818	0.68
x126	2700	90	21	50,000	45	1650	920	0.68
x126	2700	90	21	50,000	55	1270	959	0.68
x127	3000	90	21	50,000	17	7535	1007	0.75
x127	3000	90	21	50,000	45	2031	1133	0.75
x127	3000	90	21	50,000	55	1564	1180	0.75
x128	3500	90	21	50,000	17	5406	723	0.64
x128	3500	90	21	50,000	45	1457	813	0.64
x128	3500	90	21	50,000	55	1225	847	0.64
x129	4000	90	21	50,000	17	8148	1089	0.78
x129	4000	90	21	50,000	45	2196	1225	0.78
x129	4000	90	21	50,000	55	1691	1277	0.78

OPTICS					
Optic	Angle				
Spot w/ 13 Accy	16 x 50				
Spot	17°				
Flood	45°				
Wide Flood	55°				

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