DATE: PROJECT: TYPE:

CATALOG NUMBER LOGIC:



\*Requires Safety Cable (SC).

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

\*\*\*120V only.

### **CATALOG NUMBER LOGIC**

Example: SN - 48 - F - DE - LED - TR - x99 - SP - VER - 12 - 11 - C - SC - INC - 120

### MATERIAL

Aluminum

### **SERIES**

SN - Sign Star

### **STEM LENGTH**

24" (Standard), 30", 36", \*42", or \*48"

### STYLE

F - 45° Radius

### **FIXTURE**

DE - Denali Series

### **SOURCE**

LED - Chip on Board (COB) Technology

### HOUSING

TR - Integral Driver

LED TYPE		
x98 - 13W/2700K/80CRI	x101 - 13W/2700K/90CRI	<b>⊗</b>
x99 - 13W/3000K/80CRI	x102 - 13W/3000K/90CRI	$\otimes$
x103 - 13W/3500K/80CRI	x104 - 13W/3500K/90CRI	⊗
x100 - 13W/4000K/80CRI	x121 - 13W/4000K/90CRI	⊗
x122 - 21W/2700K/80CRI	x126 - 21W/2700K/90CRI	<b>⊗</b>
x123 - 21W/3000K/80CRI	x127 - 21W/3000K/90CRI	⊗
x124 - 21W/3500K/80CRI	x128 - 21W/3500K/90CRI	⊗
x125 - 21W/4000K/80CRI	x129 - 21W/4000K/90CRI	⊗

### **OPTICS**

SP - Spot (17°) FL - Flood (45°) WFL - Wide Flood (55°)

### FINISH (See page 3 for full-color swatches)

Standard Finishes (BZP, BZW, BLP, BLW, WHP, WHW, SAP, VER)

Premium Finish (ABP, AMG, AQW, BCM, BGE, BPP, CAP, CMG, CRM, HUG, NBP, OCP, RMG, SDS, SMG, TXF, WCP, WIR)

Also available in RAL Finishes

### LENS TYPE\*\*

9 - Clear (Standard)

12 - Sot Focus 13 - Rectilinear

### SHIELDING\*\*

11 - Honeycomb Baffle

### **CAP STYLE**

A - 45°

B - 90°

C - Flush

D - 45° Less Weephole (Downward Aiming Only)

E - 90° Less Weephole (Downward Aiming Only)

### OPTION

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



**FING** MADE IN THE USA

559.438.5800 | INFO@BKLIGHTING.COM | BKLIGHTING.COM

# DENALI - SIGN STAR STYLE "F" LED (INTEGRAL)

IP66 RATED

DATE: PROJECT: TYPE:

CATALOG NUMBER LOGIC:



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

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

010 - 0-10V Dimming Driver (Dimming ≤3-100%)

### **INPUT VOLTAGE**

120 - 120 VAC

277 - 277 VAC



\*Requires Safety Cable (SC).

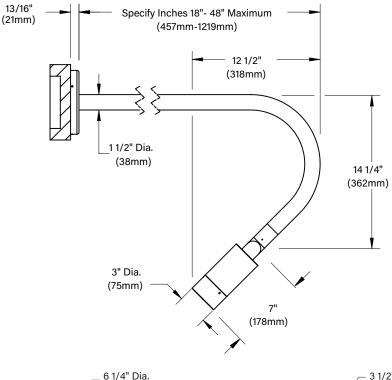
\*\*Accommodates up to 2 lens/shielding media

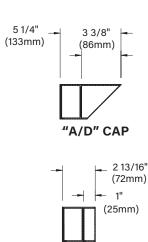
\*\*\*120V only.



DATE: PROJECT: TYPE:

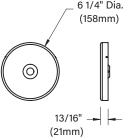
### **SIDE VIEW**

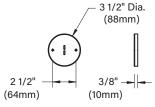






"B/E" CAP





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

### **COVER DETAIL**

# SAFETY CABLE W/MOUNTING CANOPY

### STANDARD FINISHES



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

### PREMIUM FINISHES



**B-K LIGHTING** 

**MADE IN THE USA** 

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BKLIGHTING.COM

DENAL	I - SIGN	STAR	STYLE '	F" LED	(INTEGRAL
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**IP66 RATED** 

DATE: PROJECT: TYPE:

Accessories (Configure separately)

### **SPECIFICATIONS**

ELECTRICAL	WATTAGE	13W or 21W LED		
	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	F style provides single bend for 45° transition 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. ½" 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).		
TITLE 24, JA8	HARDWARE	Tamper-resistant, stainless steel hardware. LOCK aiming screw is additionally black oxide treated for corrosion resistance.		
	FINISH	StarGuard, our 15-stage chromate-free process, cleans and conversion coats aluminum components prior to application of Class 'A' TGIC polyester powder coating and is RoHS compliant.		
c (UL) us	WARRANTY	5-year limited warranty.		
TITLE 24, JA8  c UL us LISTED  ROHS	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.		
USA				



**MADE IN THE USA** 

## LAMP & DRIVER DATA (page 1 of 2)

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%

#### **OPTICAL DATA** LM79 DATA Input Watts BK No. CCT (Typ.) CRI (Typ.) L70 Data Angle **CBCP Del. Lumens** Muliplier (Typ.) 6,480 x98 2700 80 13 50,000 17 829 0.92 x98 2700 80 13 50,000 45 1,773 1,041 0.92 2700 50,000 1,478 1,180 0.92 x98 80 13 55 x99 3000 80 13 50,000 17 6,796 869 0.96 3000 50,000 45 1,860 1,091 x99 80 13 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 1,829 1,074 0.95 45 x103 3500 80 13 50,000 55 1,525 1,217 0.95 13 50,000 x100 4000 80 17 7,059 903 1.00 x100 4000 80 13 50,000 45 1,931 1,134 1.00 x100 4000 50,000 1,285 80 13 55 1,610 1.00 x101 2700 4,486 574 0.69 90 13 50,000 17 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 50,000 899 55 1,126 0.73 x104 3500 90 13 50,000 17 4,775 611 0.71 767 x104 3500 90 13 50,000 45 1,307 0.71 x104 50,000 869 3500 90 13 55 1.089 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 21 50,000 80 55 1,876 1,416 0.87 x123 3000 80 21 50,000 17 10,030 1,341 0.96 3000 21 1,508 x123 80 50,000 45 2,704 0.96 3000 50,000 2,082 x123 80 21 1,571 0.96 55 3500 x124 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 21 50,000 2,812 1,568 80 45 1.00 x125 4000 80 21 50,000 55 2,165 1,634 1.00

# 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	СВСР	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°