

# NITE STAR ESSENTIALS - Floodlight - Low Voltage - LED High-Power - Round

**NEW**



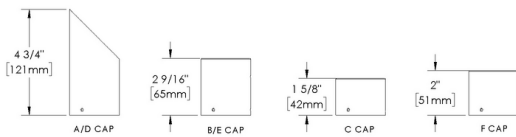
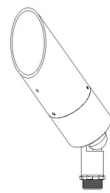
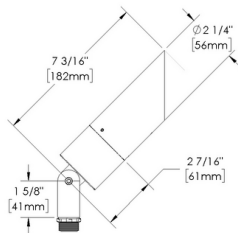
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**Downloads**

- Product Images (.zip)
- Technical Drawing (.zip)
- 2D (.dwg)
- 2D (.dxf)
- IES Files (.zip)
- BIM - Revit (.zip)
- Installation Instructions (.pdf)

**Product Variant Examples**



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## Available Logic & Configurations

**NS-** **FL-** **LOD-** **LHP-** **-** **RO-** **TKM-** **-** **ES-** **012-**  
 01 02 03 04 05 06A 06B 06C 06D 06E

- 01 SERIES**  
NS - NITE STAR
- 02 CATEGORY**  
FL - Floodlight
- 03 DRIVER**  
LOD - Low Voltage
- 04 LIGHT SOURCE (TYPE)**  
LHP - LED High-Power

- 05 MATERIAL**  
AL - Aluminum  
BR - Brass  
SS - Stainless Steel
- 06A SHAPE**  
RO - Round
- 06B MOUNT**  
TKM - Threaded Knuckle Mount
- 06C STYLE**  
CA - Cap A - 45° (With Weephole)  
CB - Cap B - 90° (With Weephole)  
CC - Cap C - Flush Lens  
CD - Cap D - 45°  
CE - Cap E - 90°  
CF - Cap F - Extended Flush Lens
- 06D VERSION**  
ES - Essentials
- 06E INPUT VOLTAGE**  
012 - 12V

**-** **-** **NON-** **-** **-** **-** **-**  
 07 08 09 10A 10B 11 12

- 07 LIGHT SOURCE**  
e220 - 2700K CRI80 - 8W (368 - 436 lm)  
e221 - 3000K CRI80 - 8W (391 - 464 lm)  
e224 - 2700K CRI90 - 8W (290 - 344 lm)  
e225 - 3000K CRI90 - 8W (308 - 366 lm)
- 08 OPTIC**  
NSP - Narrow Spot (12°)  
SP - Spot (23°)  
MFL - Medium Flood (35°)  
WFL - Wide Flood (59°)

- 09 CONTROL**  
NON - Non-dimming
- 10A LENS**  
09 - Clear (Standard)  
13 - Rectilinear
- 10B SHIELDING**  
00 - Not included (Standard)  
11 - Honeycomb Baffle
- 11 WIRING LENGTH**  
WL00 - Standard  
WL05 - 5 Ft Leads  
WL25 - 25 Ft Leads
- 12 FINISH**  
Standard Finishes  
BLP, BZP, WHP, SAP, BLW, BZW, WHW, VER  
Premium Finishes  
CMG, SMG, RMG, AMG, TXF, BCM, BGE, WCP, OCP, HUG, ABP, BPP, SDS,  
WIR, CAP, CRM, AQW, NBP  
Other - RAL  
RAL  
Other - Custom Color  
CUS  
Brass Finishes  
MAB, POB, MIT  
Stainless Steel Finishes  
MAS, POS

**NOTE:** Not all configurations may be compatible with one another. Please configure the product for specific 2D, Photometry, Downloads, Spec Sheet and Compatible mountings and power supplies.

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## Features



Anti-condensation vent allows moisture to exit the fixture but never enter in



Lens factory adhered to fixture cap providing hermetically sealed optical compartment



Manufactured in the USA with sustainable processes



Aim & Lock knuckle eliminates need for re-aiming & adjustments



Water-tight anti-siphon plug prevents moisture ingress from wireways



Easily replaceable modular components reduce waste and extend fixture life



Slip fit cap & high temp. silicone 'O' ring provides reliable water-tight seal



Solid billet fixture body provides unmatched durability and heat management



Integrated knuckle design provides 360° horizontal rotation and vertical adjustment

**WARNING: This is a low voltage product. Please check "Mountings With A Power Supply" or "Power Supplies" to order remote transformer separately.**

## Technical

**Driver:** Low Voltage

**Light Source (Type):** LED High-Power

**Material:** Aluminum, Brass, Stainless Steel

**CCT (K):** 2700, 3000

**CRI:** 80, 90

**Input Power (W):** 8

**Delivered Lumens (lm):** 290 - 464

**Beam Angle (°):** 12, 23, 35, 59

**Control:** Non-dimming

**Shape:** Round

**Mount:** Threaded Knuckle Mount

**Style:** Cap A - 45° (With Weephole), Cap C - Flush Lens, Cap E - 90°, Cap B - 90° (With Weephole), Cap F - Extended Flush Lens, Cap D - 45°

**Version:** Essentials

**Lens:** Clear (Standard), Rectilinear

**Shielding:** Not included (Standard), Honeycomb Baffle

**Wiring Length:** Standard, 5 Ft Leads, 25 Ft Leads

**Finish:** Standard Finishes, Premium Finishes, Other - RAL, Other - Custom Color, Brass Finishes, Stainless Steel Finishes

**Body:** Unibody design with enclosed, water-proof wireway, integral heat sink, fully machined from solid billet, anti-condensation and corrosion vent equalizes fixture pressure and eliminates potential for damage to internal components.

**Material Detail:** Furnished in stainless steel (304), Furnished in brass (360), Furnished in copper-free aluminum (6061-T6).

**Aiming:** Knuckle enables 180° vertical and 360° horizontal rotation. 'O' Ring helps maintain fixture position. Design withstands 73 lb. static load prior to movement for optical alignment with a 1/2" pipe thread for mounting. (Combined legacy knuckle options)

**Light Source Detail:** High power LEDs modular design with electrical disconnects., Non-dimming.

**Optics:** Interchangeable optics permit changes in the field.

**Hardware:** Tamper-resistant, stainless steel hardware. Hardware is black oxide treated for additional corrosion resistance.

**Sealing:** 'O' Ring provides water-tight seal., Anti-condensation and corrosion vent equalizes fixture pressure and eliminates potential for damage to internal components.

**Note:** Extended leads are NOT for direct burial. Contact factory for direct burial lead options.

**Finish Detail:** Powder coat or metal finish options available for brass material., Metal finish option only for stainless steel material., StarGuard, our 15-stage chromate-free process, cleans and conversion coats aluminum components prior to application of Class 'A' TGIC polyester powder coating. It is RoHS compliant.

**Warranty:** 5-year limited warranty.

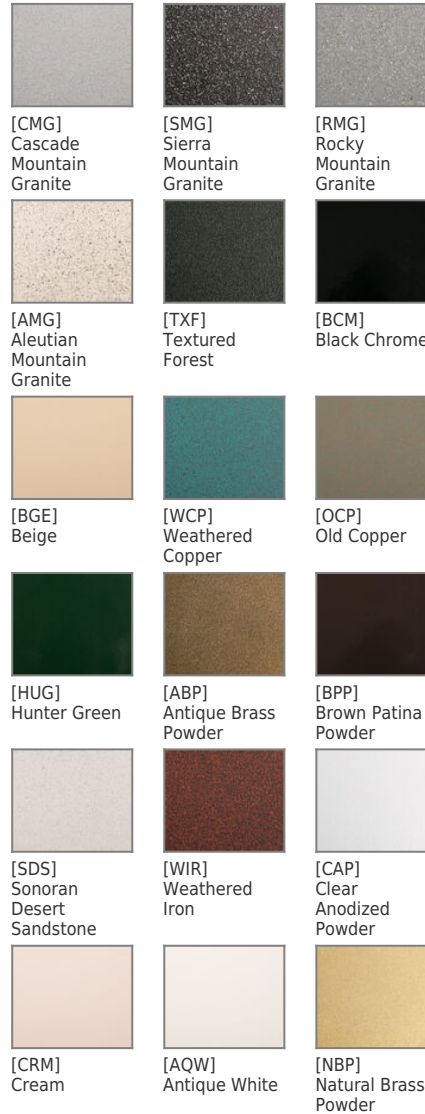
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## Finishes

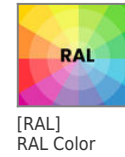
### STANDARD FINISHES



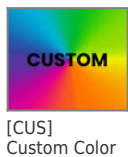
### PREMIUM FINISHES



### OTHER - RAL

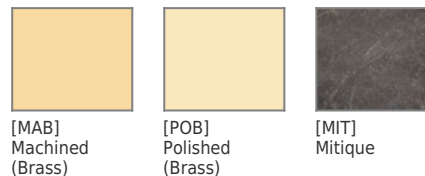


### OTHER - CUSTOM COLOR

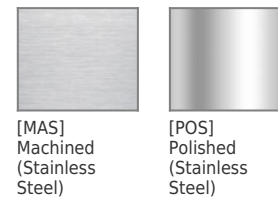


[CUS]  
Custom Color

### BRASS FINISHES



### STAINLESS STEEL FINISHES



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## Light Source

Light Source	Optic	Beam Angle	CCT (K)	CRI	R9	Input Power (W)	Delivered Lumens (Lm)	CBCP
e220	NSP - Narrow Spot	12	2700	80	>15	8	436	7258
e220	SP - Spot	23	2700	80	>15	8	378	1707
e220	MFL - Medium Flood	35	2700	80	>15	8	368	849
e220	WFL - Wide Flood	59	2700	80	>15	8	387	418
e221	NSP - Narrow Spot	12	3000	80	>15	8	464	7718
e221	SP - Spot	23	3000	80	>15	8	402	1815
e221	MFL - Medium Flood	35	3000	80	>15	8	391	903
e221	WFL - Wide Flood	59	3000	80	>15	8	411	444
e224	NSP - Narrow Spot	12	2700	90	>50	8	344	5721
e224	SP - Spot	23	2700	90	>50	8	298	1345
e224	MFL - Medium Flood	35	2700	90	>50	8	290	669
e224	WFL - Wide Flood	59	2700	90	>50	8	305	329
e225	NSP - Narrow Spot	12	3000	90	>50	8	366	6084
e225	SP - Spot	23	3000	90	>50	8	317	1431
e225	MFL - Medium Flood	35	3000	90	>50	8	308	712
e225	WFL - Wide Flood	59	3000	90	>50	8	324	350