

# NightSky LED™

## Street Light Series 84W LED Fixture

### Overview

NightSky LED™ is a family of modular lighting systems that can be installed virtually anywhere, making it the perfect solution for street and tunnel lighting, low and high bay lighting, underground and surface parking lots, building facades, security lighting and more.

### General

Fixture housing is all aluminum construction. Standard fixture utilizes terminal block that contains one or two universal drivers and operates at 700mA. Luminaire is designed to mount to 2" (51mm) IP (2.38" [61mm] O.D.) tenons, but will accommodate tenons up to 2.5" (64mm) in diameter. Custom adaptor kits are available for mounting on other surfaces. Fixture angle can be adjusted from -30° to +90°. Mercury and lead free, RoHS compliant. Luminaire carries a standard five (5) years warranty (10 years warranty is available). NVLAP® lab tested, DLC and Lighting Facts listed, CSA/CSAus certified.

### Electrical

Modular design exposed to environment accommodates lighting output sourced from high power long life CREE® X-Lamp LEDs. Light color temperature is offered in 3500K, 4000K, 4500K and 6500K (+/- 500K) with minimum 75 CRI. Lifespan of 50,000+ hour with >70% lumen maintenance. Internal wiring features WAGO® quick connectors. System is powered by universal high performance Philips® drivers 120–277V (1.4–0.6A) or 347–480V (0.5–0.35A) 50/60Hz with power factor (PF) >98% and Total Harmonic Distortion (THD) <10% at full load. Dimmable, programmable and 12-24V DC options are available. Drivers provide 2.5kV internal surge suppression protection. Luminaire is equipped with a circuit module designed to withstand 10kV (20kV is optional) of transient line surge.

Custom Adaptor

Street Light



powered by  
**CREE** **PHILIPS ADVANCE**

ISO/IEC 17025  
**nvlap** **DESIGNLIGHTS** **lighting facts** **RoHS** **CSA**  
NVLAP LAB CODE: 200999-0 CONSORTIUM LISTED LED Product Partner

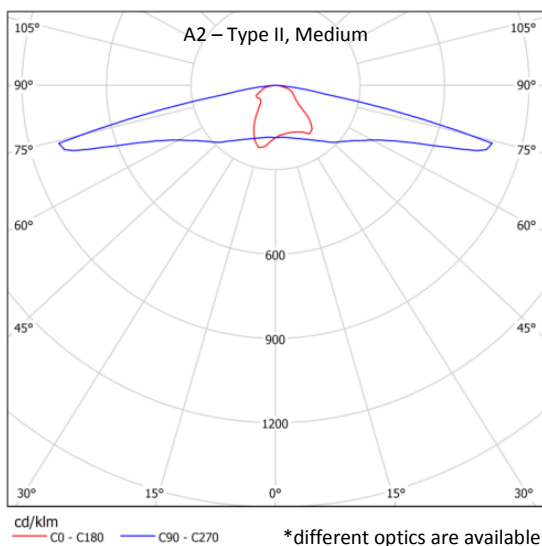
### Optics

Choice of up to ten (10) LED light strips fitted with fourteen (14) high-efficiency lenses manufactured from injection-molded and high-impact resistant Polycarbonate. Optics are precisely designed to shape Type I, Type II and Type III distributions. Dark Sky friendly.

### Finish

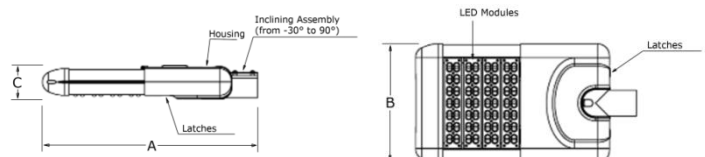
Cast components finished in polyurethane powder coat paint for superior protection against fade and wear. Standard colors include black, grey, brown and white. All components feature an IP66 enclosure rating. The NightSky LED™ luminaire is suitable for operation in -40°C to +65°C and 10% ~ 95% humidity ambient environments.

### Photometrics\*



### Specifications

Model Shown:	BDS-H042A-Z1-A2-PW-RA
LED Modules:	3
LED Chips:	42x CREE X-Lamp XP-G R4
LED Driver:	1x Philips Xitanium
Voltage:	120–277V (1.4–0.6A)
LED Power Consumption:	84W
System Power Consumption:	90W
Power Factor:	0.9972
Optics:	Type II, Medium
Color Temperature (CCT):	4500K (Pure White)
Total Luminous Flux:	8,456 lm
Luminous Efficacy:	90.25 lm/W
Color Rendering Index (Ra):	74.2
Net Weight:	14.8 lb
Product size AxBxC:	24" x 14" x 4"
Delivery:	4-6 weeks



Scan the QR Code to get more information about the Products, IES Files and Photometric Reports.  
All information is subject to change without notice. © are Registered Trademarks of their respective owners.  
™NightSky LED is the Trademark of BDS Industrial Solutions Inc. ©2012 BDS Industrial Solutions Inc. All rights reserved.  
Rev. 07/12

**BDS**  
INDUSTRIAL SOLUTIONS