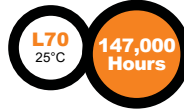


NB5 DuraLED Low Profile Pathway Bollard



Project Name:	Project Information	Fixture Type:
Complete Catalog #:		Date:
Comments:		

The DuraLED NB5Q Low Profile Pathway Bollard provides full cutoff lighting for outdoor path, walkways and landscape areas using wide spread optics designed to replace outdated Halogen and Compact Fluorescent lighting systems. These fixtures are ideal for landscaped areas at retail centers, parks, restaurants, hotels, schools and universities, office buildings and medical facilities.



SPECIFICATIONS AND FEATURES:

HOUSING:

Die Cast Aluminum Housing Sealed Driver
Compartment. 360° Distribution, or 120° or 180°
Shield.

LISTING & RATINGS:

CSA: Listed for Wet Locations, ANSI/UL 1598, 8750
IP66 Sealed LED Compartment.

FINISH:

Textured Architectural Bronze or Black Powdercoat
Finish Over a Chromate Conversion Coating.
Custom Colors Available Upon Request.

LENS:

Clear UV-Stabilized Polycarbonate Vandal-Resistant
Lens

MOUNTING OPTIONS:

Mounting Kit with 8" Zinc-Plated Anchor Bolts,
Included.

DURALED LED:

Aluminum Boards

WATTAGE:

360° Arrays: 12w & 16.6w, System: 12.9w & 18.9w
180° & 120° Arrays: 10w & 15.5w, System: 11.2w & 17w;
(70w HID Equivalent)

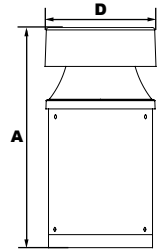
DRIVER:

Electronic Driver, 120-277V, 50/60Hz; Less Than 20% THD
and PF>0.90. Standard Internal Surge Protection 2kV.
0-10V Dimming Standard for a Dimming Range of 100% to
10%; Dimming Source Current is 150 Microamps.

WARRANTY:

5-Year Warranty for -40°C to +50°C Environment.

See Page 2 for Projected Lumen Maintenance Table.



Dimensions

Diameter (D) | 4 3/4" (120mm)
Height (A) | 10" (254mm)

DuraLED TECHNOLOGY

Complete Units
Ordering Information
Example: NB5OQF1X17U4KCZ10SP

NB5 DuraLED Low Profile Pathway Bollard

Model	U		C		Height	Options
	Driver	CCT	Lens	Color		
	U=120-277V	3K=3000K 4K=4000K 5K=5000K	C= Clear UV-Stabilized Polycarbonate Vandal-Resistant Lens	Z=Bronze B=Black C=Custom (Consult Factory)		SF=Single Fuse (120-277V Only) DF=Double Fuse (120-277V Only) SP=Surge Protection
NB5OQF1X12 =Low Profile Pathway Bollard - 360°, 12w NB5OQF1X17 =Low Profile Pathway Bollard - 360°, 17w NB5TQF1X10 =Low Profile Pathway Bollard with 120° Shield, 10w NB5TQF1X16 =Low Profile Pathway Bollard with 120° Shield, 16w NB5HQF1X10 =Low Profile Pathway Bollard with 180° Shield, 10w NB5HQF1X16 =Low Profile Pathway Bollard with 180° Shield, 16w						

10=10"
C=Custom*

*Consult factory. Minimum NEC requirements for wiring space and above ground level must be met.

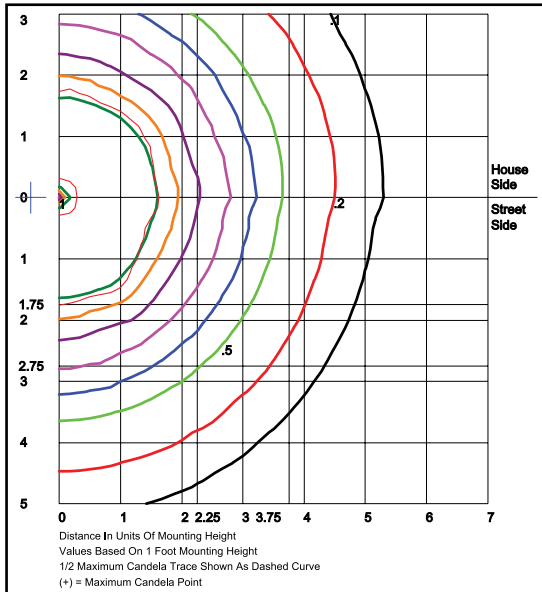


Specifications subject to change without notice.

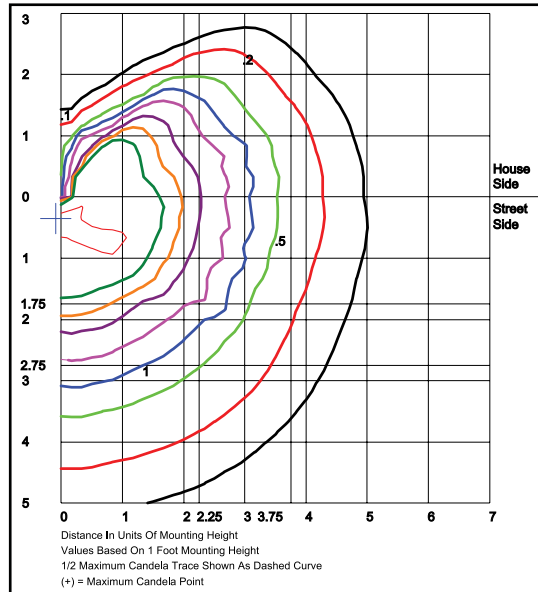
NB5 DuraLED Low Profile Pathway Bollard



PHOTOMETRIC DATA



NB50QF1X17U5K
Grid in feet, Mounting Height=1ft.



NB5HQF1X16U5K
Grid in feet, Mounting Height=1ft.

PHOTOMETRIC PERFORMANCE

Optic	CCT	Wattage (Catalog Logic)	
		12W (1X12)	17W (1X17)
		Input Watts	12.9W / 18.1W
360° NB50 Models F=Type V Optic	3000K	479	671
	4000K	520	728
	5000K	541	758
	BUG Rating	B0-U1-G0	B1-U2-G0

Optic	CCT	Wattage (Catalog Logic)	
		10W (1X10)	16W (1X16)
		Input Watts	11.2W / 17W
180° NB5H Models F=Type V Optic	3000K	338	508
	4000K	352	528
	5000K	366	549
	BUG Rating	B0-U1-G0	B0-U1-G0

PROJECTED LUMEN MAINTENANCE

Data shown for 4000 CCT		Compare to MH				
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated LED Life
L70 Lumen Maintenance @ 25°C / 77°F	All wattages up to and including 19w	1.00	0.95	0.90	0.80	147,000
L70 Lumen Maintenance @ 50°C / 122°F		1.00	0.89	0.78	0.55	67,000
L80 Lumen Maintenance @ 40°C / 104°F		1.00	0.92	0.85	0.70	66,000

NOTES:

- Projected per IESNA TM-21-11. Data references the extrapolated performance projections for the 525mA base model in a 25°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08.
- Compare to MH box indicates suggested Light Loss Factor (LLF) to be used when comparing to Metal Halide (MH) systems.