

POST TOP LED ENGINE
with ADVANCED LED TECHNOLOGY



Back Light Control



Superior Thermal Management



Uplight Control



Long Useful Life



Glare Control



Dimmable



Sustainable Technology



Photometric Performance

Performance Outdoor Lighting Solution!

Description

King Luminaire's B3 LED Engine is the third generation of the immensely popular Baffled Array light system. Utilizing highly reflective metalized baffles, the B3 LED Engine is able to achieve incredible photometric performance in both Type IV & V IESNA distribution patterns with precision light control including uplight, back light and glare. The result is a lighting solution that provides unmatched light quality. The B3 LED Engine is available in any of King Luminaire's K100, K130, K600 and KG Series luminaires, as well as the K329, K551 and K56. With so many decorative lighting options there is a world of possibilities!

B3 Features & Benefits



FEATURES

- As little as 5% uplight in acorn luminaires
- Minimum 70 CRI
- CCT: 4000K (+/- 300K)
- Certified to UL standards
- UL wet listed
- King's signature Baffled Array Technology
- 7 year warranty

BENEFITS

- Improved light control
- High efficacy
- Energy savings
- Reduced maintenance
- Long operational life due to King's Dynamic Thermal Management

Roadway Application*

The below roadway application table provides a simple guide of the B3 performance based on 8 typical situations (defined in legend below). Further photometric evaluation for specific applications is suggested.

Optic	Watts	IES	CCT	BUG	Efficacy	Power	Lumens	Uplight	Fixture Spacing							
									NSL	NSH	WSL	WSH	WDL	WDH	WSTL	WSTH
B3	40	IV	4000K	B1U3G2	76.2	40.9	3116	5.1%	70	62	49	46	96	93	96	93
B3	60	IV	4000K	B1U3G3	71.2	61.5	4378	5.1%	96	87	69	65	139	120	137	120
B3	75	IV	4000K	B1U3G3	67.3	75.8	5105	5.2%	115	101	81	75	160	153	160	153
B3	100	IV	4000K	B1U3G3	61.1	103.4	6322	6.4%	136	120	96	91	161	183	193	183
B3	40	V	4000K	B2U3G2	70	41.4	2897	5.5%	37	33	26	24	51	48	51	48
B3	60	V	4000K	B2U3G2	65.1	62.6	4078	5.6%	51	46	36	34	71	69	71	69
B3	75	V	4000K	B3U3G2	61.9	76.6	4740	5.7%	59	53	41	39	84	79	84	79
B3	100	V	4000K	B3U3G3	57.5	103.2	5936	5.2%	71	63	49	46	96	93	96	94

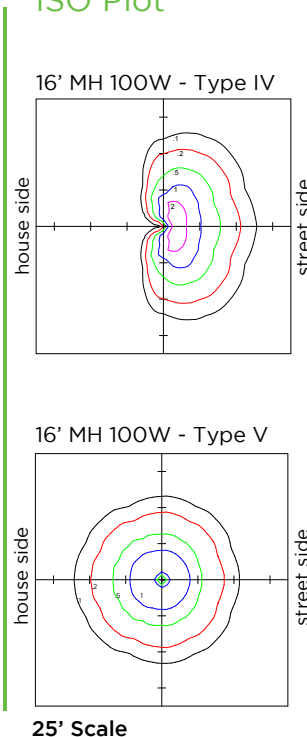
Application

- NSL** Narrow-Single-Low **WDL** Wide-Double-Low
- NSH** Narrow-Single-High **WDH** Wide-Double-High
- WSL** Wide-Single-Low **WSTL** Wide-Staggered-Low
- WSH** Wide-Single-High **WSTH** Wide-Staggered-High

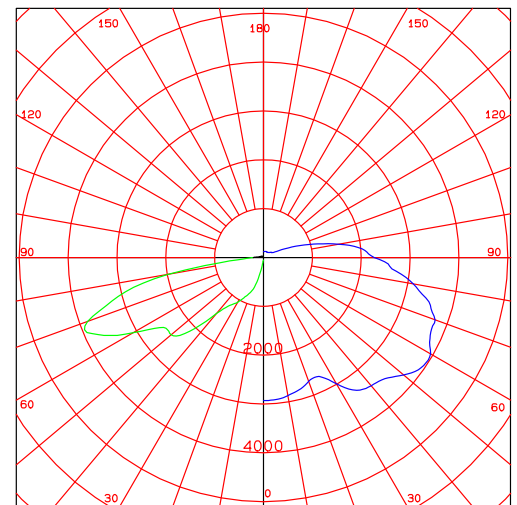
Legend

- Narrow:** 30' Wide
- Wide:** 56' Wide
- Low:** Post Top = 16'
- High:** Post Top = 20'
- Single:** Fixtures on one side
- Double:** Fixtures on both sides, opposite
- Staggered:** Fixtures mounted both sides, staggered
- Footcandle Average:** 0.7 fc
- Uniformity:** 6:1

ISO Plot**



Candlepower Table**



Maximum Candlepower: 3946
 Plane of Maximum: 60.0
 Vertical Angle of Maximum: 67.5

*Based on testing completed in a K118 Luminaire

**Footprint & Candela Table from photometric file #H076C