

# DOKSTAR™ SERIES LED LOADING DOCK LIGHT

LONG LIFE, LOW WATTAGE  
LED LOADING DOCK LIGHT



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24/7 Emergency Material Access

## SPECIFICATIONS

### Intended Use:

Dokstar fixtures are perfect for Industrial, manufacturing and warehousing, designed to illuminate tractor trailers up to 53' for loading and unloading. Excellent for any application requiring long life and low maintenance costs

### Construction:

Rugged, die cast aluminum body designed for maximum heat dissipation, sealed tempered glass lens, stainless steel fasteners, advanced thermal management techniques and components. Finished in safety yellow for visibility

### LED LIGHT ENGINE

High quality Cree LED chips, 5000K color temperature. Available in 6, 12, and 18 chip configurations.

### LED DRIVER:

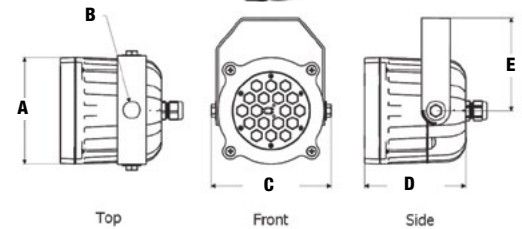
Dedicated constant current driver. DOK - 14w Spot 350mA (12 LEDs), DOK - 16w Spot 700mA (6 LEDs), DOK - 21w Spot 350mA (18 LEDs).

### OPTICS:

12 degree Spotlight (standard), 32 degree flood available (special order)

### INSTALLATION:

Wall or ceiling mount with bracket provided (mounting hardware not supplied).  
Optional dock arm for lighting versatility.



### LISTINGS:



	A	B	C	D	E
Dimensions	5 9/16"	7/8"	5 5/16"	4 13/16"	6

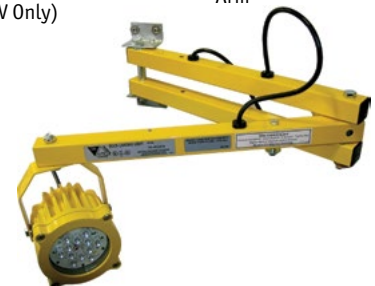
## ORDERING INFORMATION

ORDERING EXAMPLE: **DOK-6LU-5K-SP**

<b>DOK</b>	-	<b>L</b>	<b>U</b>	<b>5K</b>	-		-			
<b>SERIES</b>		<b>SOURCE</b>		<b>VOLTAGE</b>		<b>OPTICS</b>		<b>CORD</b>		<b>LENS</b>
<b>DOK</b> Dokstar™ LED Loading Dock Light		<b>L</b> LED		<b>U</b> 120 - 277V		<b>SP</b> 12 Degree Spot (Standard) <b>FL</b> 32 Degree Flood (Special Order)		<b>C6<sup>1</sup></b> 6' cord <b>C6715P<sup>1</sup></b> 6' cord with 15 amp NEMA twist loc plug <b>C6515P<sup>1</sup></b> 6' cord with 15 amp straight blade plug <b>C3C14P<sup>1,2</sup></b> 3' cord with IEC C-14 plug		<b>PC</b> Polycarbonate Lens
<b>NUMBER OF LEDS</b>				<b>COLOR TEMPERATURE</b>				<b>SWITCH</b>		<b>OPTION</b>
<b>6</b> LED (6 Chip) <b>12</b> LED (12 Chip) <b>18</b> LED (18 Chip)				<b>5K</b> 5000K (All other color temperatures are special order)				<b>IRS<sup>2</sup></b> In-Line Rocker Switch (120V Only)		<b>DL40<sup>2</sup></b> 40" Double Strut Dock Arm <b>DSDL40<sup>2</sup></b> 40" Double Strut Swing Arm

1 All Dokstar™ arms require a cord option  
2 If an arm (DL40 or DSDL40) is required the C3C14P cord & IRS in-line rocker switch are also required

BASE MODEL	TOTAL WATTS	NUMBER OF LEDS	DRIVE MA	COLOR TEMPERATURE
DOK-12LU-5K-SP-CXX	14w	12	350MA	5000K
DOK-12LU-5K-FL-CXX	14w	12	350MA	5000K
DOK-6LU-5K-SP-CXX	16w	6	700MA	5000K
DOK-6LU-5K-FL-CXX	16w	6	700MA	5000K
DOK-18LU-5K-SP-CXX	21w	18	350MA	5000K
DOK-18LU-5K-FL-CXX	21w	18	350MA	5000K



Dokstar™ with optional Dock Arm – DSDL40

## PERFORMANCE DATA

### Dokstar™ LED Performance Data

LED System Configuration	Drive Current	LED Chips	At 25C (77F) Ambient			At 35C (98F) Ambient		
			Junction Temp <sup>1</sup>	L70 Hours	L90 Hours	Junction Temp <sup>1</sup>	L70 Hours	L90 Hours
DOK - 14w Spot	350mA	12	48.9	210,000	60,000	59.1	140,000	40,000
DOK - 16w Spot	700mA	6	60.9	100,000	32,000	71.2	80,000	24,000
DOK - 21w Spot	350mA	18	58.1	140,000	42,000	68.4	98,000	30,000

1) The junction temperature of the LED chip is the single most important factor determining expected life and lumen maintenance.

### ENERGY SAVINGS DATA/OPERATING COST COMPARISON – Dockstar™ vs. Traditional Dock Light Systems

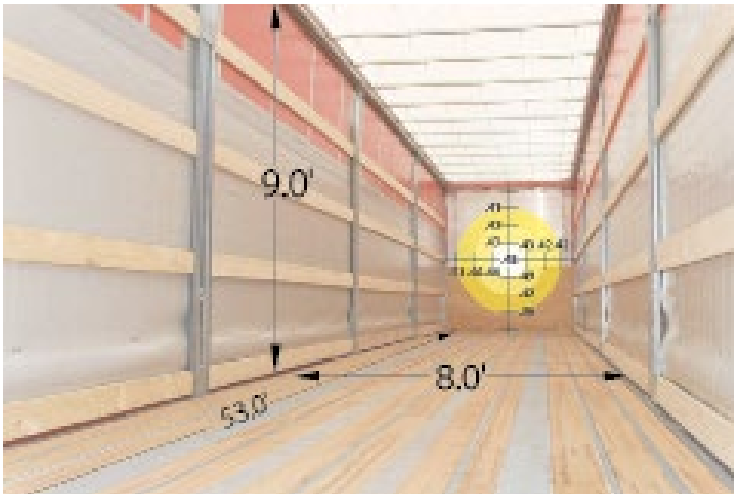
Dock Light System	Input Watts	Rated Lamp Life (Hours)	Average Annual Cost of Operation		
			Energy Cost	Maint Cost	Total Cost
Q500 T3 Quartz	500	2,000	\$240	\$60	\$300
Q300 T3 Quartz	300	2,000	\$144	\$60	\$204
MH70 Med	88	12,000	\$42	\$27	\$69
MH100 Med	119	15,000	\$57	\$24	\$81
MH150 Med	186	15,000	\$89	\$24	\$113
100 PAR	100	3,000	\$48	\$47	\$95
DOK - 14w LED	14	210,000	\$7	-	\$7
DOK - 16w LED	16	100,000	\$8	-	\$8
DOK - 21w LED	21	140,000	\$10	-	\$10

1) All operating cost estimates are for general illustrative purposes. Actual values will vary on a site specific basis.

2) Annual maintenance and energy costs are estimated based upon 4,000 annual operating hours per year, for ten years.

3) Energy costs are based upon \$0.12 cents per kWh, maintenance cost estimates include lamps, ballasts and labor.

### FOOTCANDLE PERFORMANCE



Actual measured lighting levels on the back wall of a 53' trailer. Very even lighting of about 0.50 footcandles. The crisp white light of the LEDs results in very good visibility.



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