



KTN SERIES

Katen LED Area Light

Energy Savings, Superior Illumination, Ease of Installation & Quick Delivery

APPLICATION

The Katen Series of high output LED luminaires are designed for new outdoor lighting and to be a replacement for HID area lights. A compact, one-piece die cast housing, saving costs versus models that are extruded or cast and require additional parts. They are optimal for lighting applications where long life, low maintenance, and consistent color rendering is required. The high lumen output allows the fixture to be used for parking, restaurant, quick service, shopping centers, or general area lighting applications.

CONSTRUCTION

Heavy-duty housing is constructed of cast aluminum with corrosion resistant powder coat finish. The heat sink is included in the actual casting, further minimizing the need for additional parts. Standard Arm Mount features an integral arm, increasing strength and simplifying installation. Each fixture can accommodate an optional twist-lock photocontrol which allows for further energy savings and an optional PIR sensor allows for security.

OPTICAL SYSTEM

The new KTN LED Area family delivers maximum value by providing significant energy savings, long life and outstanding photometric performance at an affordable price. The KTN delivers 10,000 to 39,000 lumens allowing it to replace up to (2) 1000W HID luminaires.

Complete ordering information and specification sheets can be found at www.techlight.com.



TECHLIGHT
INNOVATION IN ILLUMINATION



ORDERING INFORMATION

Choose the bold face options for the appropriate luminaire configuration for your application and enter on the line above each fixture attribute. Accessories may be factory installed, depending on the particular accessory chosen, but still be ordered as a separate line item.

EXAMPLE: **KTN C 13L T3 1 BZ PCR7**

SERIES

KTN Katen LED Area Light

COLOR TEMPERATURE

W 3000K
N 4000K
C 5000K

WATTAGE/NOMINAL LUMENS

13L 100 watt, 13,000 lumens
19L 150 watt, 19,500 lumens
31L 240 watt, 31,200 lumens
39L 300 watt, 39,000 lumens

OPTICS

T3 Type III
T4 Type IV
T5 Type V

VOLTAGE

1 120-277V
2 347-480V

FINISH

BZ Bronze

OPTIONS

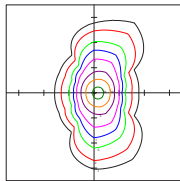
PCR7 7-Pin Twist-Lock Photocell
WOC Sensor
WOCPC Sensor with Photocell



ACCESSORIES (Ordered Separately)

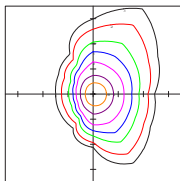
TLWSFSIR-100 Remote Handheld Sensor Configuration Tool
TLWSFSP-L2 360° lens, maximum coverage 48' diameter from 8' height
TLWSFSP-L3 360° lens, maximum coverage 40' diameter from 20' height
TLWSFSP-L7 360° lens, maximum coverage 100' diameter from 40' height
PC2 480V Twist-Lock Photocell
PC7 Multip-Tap (105-285V) Twist Lock Photocell
KTN 4RA 4" Round Pole Adapter
KTN 5RA 5" Round Pole Adapter
KTN 2AF Slip Fitter
KTN ARM Arm
KTN B25 Adjustable Arm
KTN B15 Trunnion Mount

PHOTOMETRIC CHARACTERISTICS



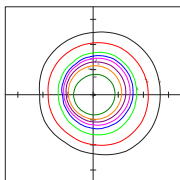
TYPE III OPTIC

Horizontal Footcandles
Scale: 1 Inch = 35 Ft.
Light Loss Factor = 1.00
Lumens Per Lamp = 41587.9
Total Lamp Lumens = 41587.9
Mounting Height = 20.00 Ft
Maximum Calculated Value = 25.10 Fc
Arrangement: Single



TYPE IV OPTIC

Horizontal Footcandles
Scale: 1 Inch = 20 Ft.
Light Loss Factor = 1.00
Lumens Per Lamp = 38731.8
Total Lamp Lumens = 38731.8
Mounting Height = 20.00 Ft
Maximum Calculated Value = 19.35 Fc
Arrangement: Single



TYPE V OPTIC

Horizontal Footcandles
Scale: 1 Inch = 20 Ft.
Light Loss Factor = 1.00
Lumens Per Lamp = 39042.7
Total Lamp Lumens = 39042.7
Mounting Height = 20.00 Ft
Maximum Calculated Value = 37.68 Fc
Arrangement: Single

PERFORMANCE DATA

Type III Optic

see spec sheet for more details & additional optic data

Output ID	Nominal Lumens	System Lumens	System Watts	Lm/W
3000K				
13L	13,000	13,667	105	131
19L	19,000	19,863	152	130
31L	31,000	30,930	236	131
39L	39,000	39,388	301	131
4000K				
13L	13,000	13,643	101	135
19L	19,000	19,927	148	134
31L	31,000	32,343	232	139
39L	39,000	40,571	293	139
5000K				
13L	13,000	14,228	100	142
19L	19,000	19,833	148	134
31L	31,000	32,350	232	140
39L	39,000	41,587	298	140

