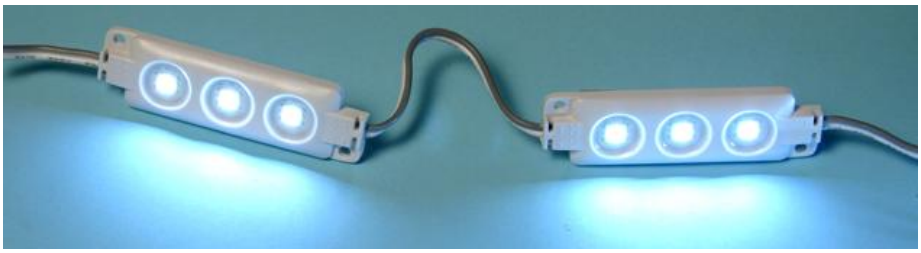
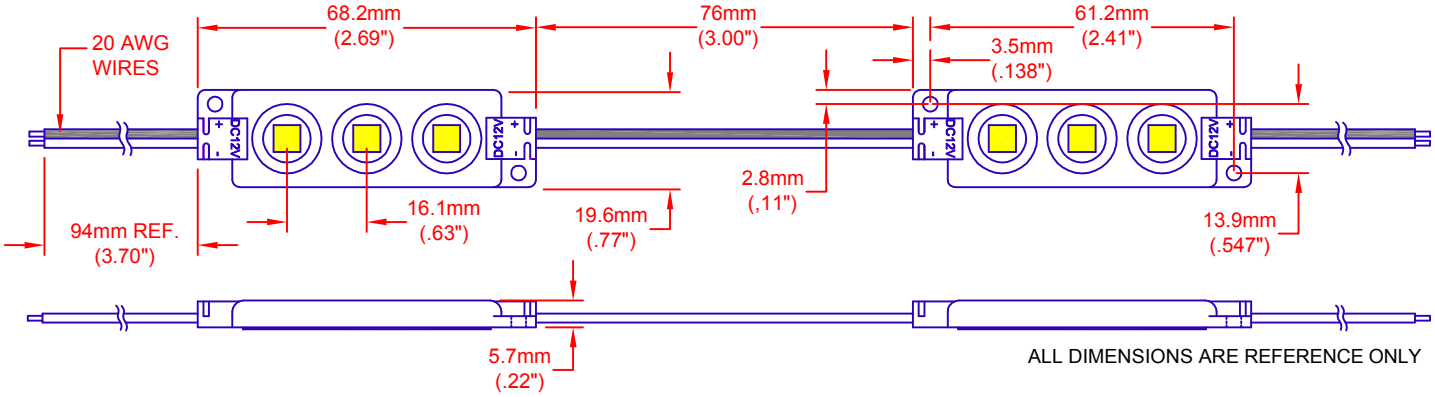
19.6mm X 68.2mm WATER RESISTANT LED MODULES

FEATURES

VOLTAGE: 12V DC PER MODULE
CURRENT: 45mA PER MODULE
LED VIEWING ANGLE (2 0 1/2): 120°
MODULE THICKNESS: 5.7mm
PACKAGE: 20 PIECES PER REEL
WATER RESISTANCE IP65





JKL PART NO.: ZM-1968-WW (WARM WHITE)

Absolute Maximum Rating at TA = 25ºC

Parameter	Symbol	Absolute MAX. Rating	Unit
Forward Current	IF	45	mA
Power Dissipation	PD	0.54	W
Electrostatic Discharge	ESD	800	V
Operating Temperature	Topr	-20~+40	ºC
Storage Temperature	Tstg	-25~+60	ºC

Electrical/Optical Characteristics at TA = 25ºC

Parameter	Symbol	Condition	Min	Typ	Max	Unit
Forward Voltage DC	VF	IF = 45mA	--	12	--	V
Color Temperature	TC	IF = 45mA		3000		K
Luminous Flux per Module	φV/Mod	IF = 45mA	--	35	--	lm/mod
Luminous Flux per Ft.	φV/Ft	--	--	75	--	lm/ft
Recommend Forward Current	IF(rec)	--	--	45	--	mA

JKL PART NO.: ZM-1968-CW (COOL WHITE)

Electrical/Optical Characteristics at TA = 25ºC

Parameter	Symbol	Condition	Min	Typ	Max	Unit
Forward Voltage DC	VF	IF = 45mA	--	12	--	V
Color Temperature	TC	IF = 45mA		6000		K
Luminous Flux per Module	φV/Mod	IF = 45mA	--	43	--	lm/mod
Luminous Flux per Ft.	φV/Ft	--	--	90	--	lm/ft
Recommend Forward Current	IF(rec)	--	--	45	--	mA

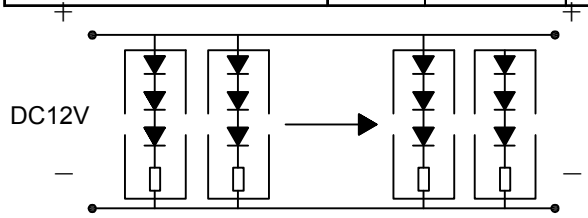
NOTES:
1. STANDARD MOUNTING INCLUDES ADHESIVE BACKING AND MOUNTING TABS FOR A #6 SCREW (SCREWS NOT INCLUDED).

2. JKL ACCESSORIES TO BE ORDERED SEPARATELY: ZPS-1235 OR ZPS-1260 POWER SUPPLIES.

3. DUE TO WIRE GAUGE USED IN THE CONSTRUCTION OF THE MODULES SERIAL RUNS SHOULD BE LIMITED TO 38 FEET OR 80 MODULES.

4. POWER CONSUMPTION 1 WATTS PER FOOT.

PLEASE REFER TO JKL APPLICATION SHEET: JKL-AS-ZM-CHANNEL-LED FOR INSTALLATION AND POWER RECOMMENDATIONS.



ATTENTION

OBSERVE PRECAUTION FOR HANDLING ELECTROSTATIC DISCHARGE SENSITIVE DEVICES

REV. NO.	DESCRIPTION/ECO NUMBER	APPV'D DATE
B	ADD IP65 TO WATER RESISTANCE	4/18/16
A	ADDED DIMENSIONS FOR MOUNTING HOLES	11/22/12
	RELEASED	2/14/12

METRIC
THIRD ANGLE PROJECTION

DIMENSIONS ARE IN mm & (INCHES)
TOLERANCE UNLESS OTHERWISE SPECIFIED
1 PL +/- REF.
2 PL +/-
ANGLE +/-

DRAWN BY L. WENGSTROM | APPV'D BY L.R. | DATE 4/18/16

- CAD DRAWING -
MANUAL REVISIONS NOT PERMITTED

JKL COMPONENTS CORPORATION

TITLE: WHITE 3-LED CHANNEL LIGHT

SIZE A | FSCM NO. 55335 | DRAWING NO. ZM-1968 MULTI

SCALE NONE | RELEASED DATE 2/14/12 | REVISION DATE 4/18/16 | REV. NO. B | SHEET 1 OF 1