



THE DATASHEET OF C46-ALP120H-NWO



- NOTES:
- THE C OPTION SPECIFIES A PIN LENGTH = .20" FOR PANEL LIGHTS MOUNTED IN THE PS40 OR PS44 SOCKET. MOUNTING HARDWARE IS INCLUDED WITH THE SOCKET. DO NOT SELECT THE W OPTION.
 - MODEL 405 HAS NO LENS. OMIT THE LENS DIFFUSION AND COLOR (e.g 405-BG5H-O).
 - I_v = TYPICAL LUMINOUS INTENSITY @ $I_f = 20\text{mA}$ ($T_a = 25^\circ\text{C}$). I_v IS MEASURED WITHOUT LENS LOW POWER LEDs @ $I_f = 2\text{mA}$.
 - USE WITH MODEL 405 ONLY.
 - SEE VOLTAGE / CURRENT TABLE FOR DESIGN SPECIFICATIONS. DESIGN CURRENT FOR LOW POWER LEDs = 2mA.
 - $T_a = 25^\circ\text{C}$. VOLTAGE "2" INDICATES EXTERNAL RESISTOR REQUIRED. VOLTAGES 5H THROUGH 60H ARE VDC. FOR AC OPERATION, INSERT D AFTER VOLTAGE (e.g. 24HD). D INDICATES BUILT-IN RECTIFIER, NOT REQUIRED FOR 5H OR 120VAC. DC OPERATION NOT AVAILABLE FOR 120V. BI-COLOR AND TRI-COLOR NOT AVAILABLE IN AC VOLTAGES.
 - OMIT H WHEN SELECTING A VOLTAGE (e.g 46-RLP-CWO).
 - SELECT -CW OR -NW LENS ONLY. -RAG WIRE LEADS: GREEN ANODE/BLACK CATHODE/RED ANODE. -GAR WIRE LEADS: GREEN CATHODE/BLACK ANODE/RED CATHODE. COMMON LEAD IS THE FIRST LEAD CLOCKWISE FROM REFERENCE MARK ON HEADER. TRI-COLOR 5 OR 12 VOLT, OMIT H IN PART NUMBER.
 - SELECT HIGH INTENSITY LEDS ONLY.
 - OMIT LENS DIFFUSION WHEN SELECTING SMOKED LENS (e.g. 46-NWR-SO).
 - USE APPROPRIATE ESD PRECAUTIONS DURING HANDLING AND OPERATION.
 - MOUNTING HARDWARE PROVIDED
 - THIS DEVICES ARE RoHS COMPLIANT.

REVISIONS					
ECN	REV.	DESCRIPTION	DATE	BY	APPROVED
1126	A	INITIAL RELEASE	1/19/18	AS	OL

VOLTAGE/CURRENT	
DESIGN Vf/I _f	MAX Vf/I _f
V/C Table I	
5V/22mA	5.5v/28mA
12V/20mA	14V/25mA
15V/24mA	16.5V/28mA
24V/17mA	26V/20mA
28V/16.5mA	30V/18mA
48V/15mA	50V/16mA
60V/9mA	65V/10mA
120VAC/3.5mA	130VAC/4mA

VOLTAGE / CURRENT	
DESIGN Vf/I _f	MAX Vf/I _f
V/C Table II	
5V/15mA	5.5v/23mA
12V/15mA	14V/20mA
15V/15mA	16.5V/18mA
24V/15mA	26V/18mA
28V/15mA	30V/17mA
48V/9.5mA	50V/10mA
60V/7mA	65V/8mA
120VAC/3.5mA	130VAC/4mA

CONFIGURATION FOR MODELS

MODEL	WIRES
\triangle_C C (OPTIONAL)	\triangle_W W (OPTIONAL)

46 W

STANDARD INTENSITY - DIFFUSED ENCAPSULATION

LED	COLOR	V/C (TABLE)
-BR	RED	I
-BA	AMB	I
-BG	GRN	I

MEDIUM INTENSITY - TINTED ENCAPSULATION

LED	COLOR	V/C (TABLE)
-BCR	RED	I
-BCA	AMB	I
-BCG	GRN	I

HIGH INTENSITY - WATERCLEAR ENCAPSULATION

LED	COLOR	V/C (TABLE)
-NWR	RED	I
-NWO	ORG	I
-NWA	AMB	I
-NWG	GRN	II
-NWB	BLU	II
-NWW	CWHT	II
-NWL	WWHT	II
-NKR	RED	I
-NKO	ORG	I
-NKA	AMB	I
-NKG	GRN	II
-NKB	BLU	II
-NKW	CWHT	II
-NKL	WWHT	II

WIRE LENGTH (OPTIONAL)*	
NUMBER	LENGTH (in)
8	8"
12	12"
16	16"
18	18"
24	24"
36	36"
40	40"
60	60"

VOLTAGE
2
5H
12H
15H
24H
28H
48H
60H
120 \triangle_9

LENS DIFFUSION
-C (CLEAR)
-N (DIFFUSED)

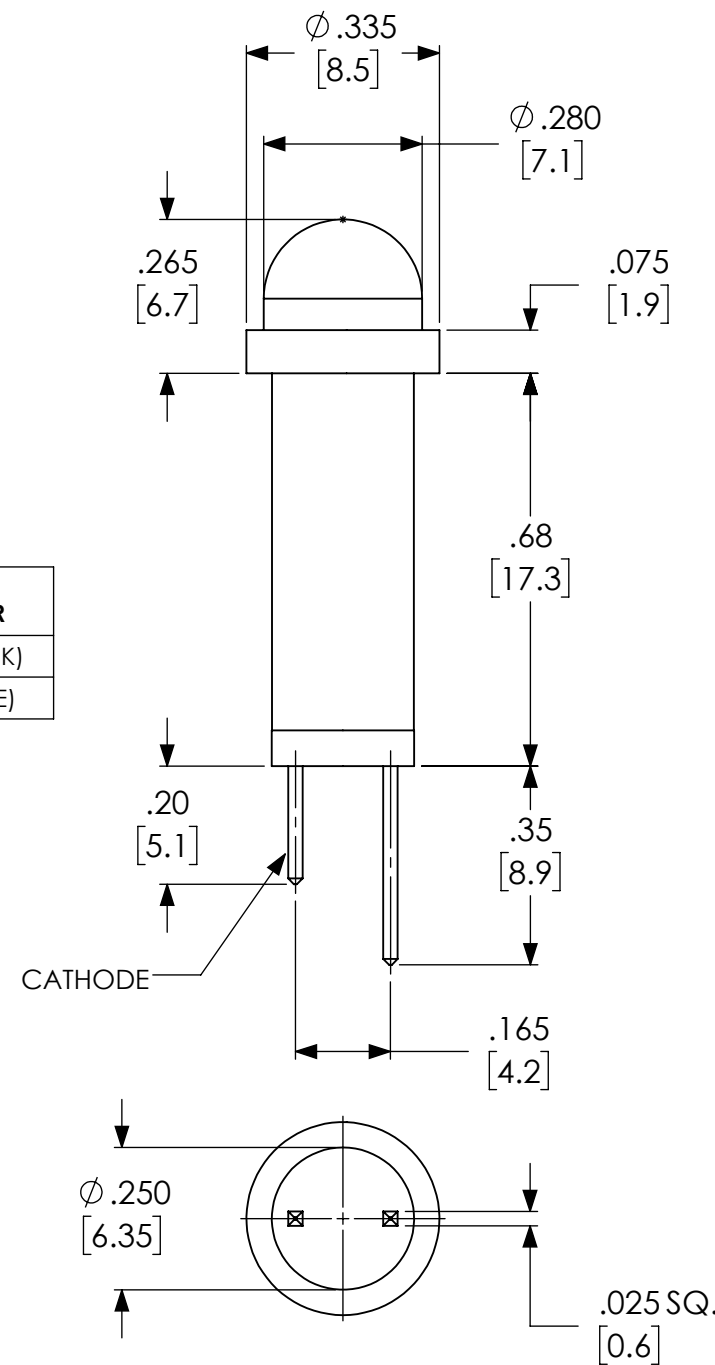
LENS COLOR
R (RED)
A (AMBER)
Y (YELLOW)
G (GREEN)
B (BLUE)
W (WATER CLEAR)
-S (SMOKE) \triangle_{10}

BEZEL COLOR
O (BLACK)
9 (WHITE)

*STANDARD WIRE LENGTH:

IF THE CONFIGURATION DOES NOT INCLUDE A NUMBER AFTER THE "W" USE THIS STANDARD:
 6.0" +1.0" -0" TOTAL LENGTH (NOMINAL)/.50" STRIPPED +1/8" -0",
 RED ANODE/ BLACK CATHODE, 24 AWG TPB UL1061 INSULATION.

SPECIALITY LEDs - DIFFUSED ENCAPSULATION			
LED	COLOR	DESCRIPTION	V/C (TABLE)
\triangle_6 -RLP	RED	LOW POWER	NOTE 5
\triangle_7 -ALP	AMB	LOW POWER	NOTE 5
\triangle_7 -GLP	GRN	LOW POWER	NOTE 5
\triangle_8 -LRG	RED/GRN	BI-COLOR, RED CATHODE	I
\triangle_8 -RAG	RED/AMB/GRN	TRI-COLOR, COMMON CATHODE	I
\triangle_8 -GAR	GRN/AMB/RED	TRI-COLOR, COMMON ANODE	I



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UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE INCHES (MM) SHOWN FOR REFERENCE ALL ANGLES ARE IN DEGREES		MATERIAL N/A		 12780 DANIELSON CT, SUITE A, POWAY, CA 92064 PHONE: (800)522-5546 • WWW.VCC-LITE.COM	
GENERAL TOLERANCES		FINISH N/A			
.XX ± 0.025	.X ± 0.63	DRW	A.SANCHEZ	12/19/17	DESC .250" PANEL MOUNT REFLECTOR
.XXX ± 0.010	.XX ± 0.25	D-ENG	A.SANCHEZ	12/19/17	PART NO SEE TABLES
BREAK ALL CORNERS AND SHARP EDGES .030 MAX		P-ENG	O.LARA / G.RUIZ	1/17/18	SIZE B
DIMENSIONS INSPECTION CRITICAL ANGLE ± 1°		QC	E.LARA	1/19/18	DRW NO 46 SERIES
THIRD ANGLE PROJECTION		DO NOT SCALE DRAWING PRINTED COPIES ARE UNCONTROLLED		SCALE: 1:1	REV A
					SHEET: 1 OF 1

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