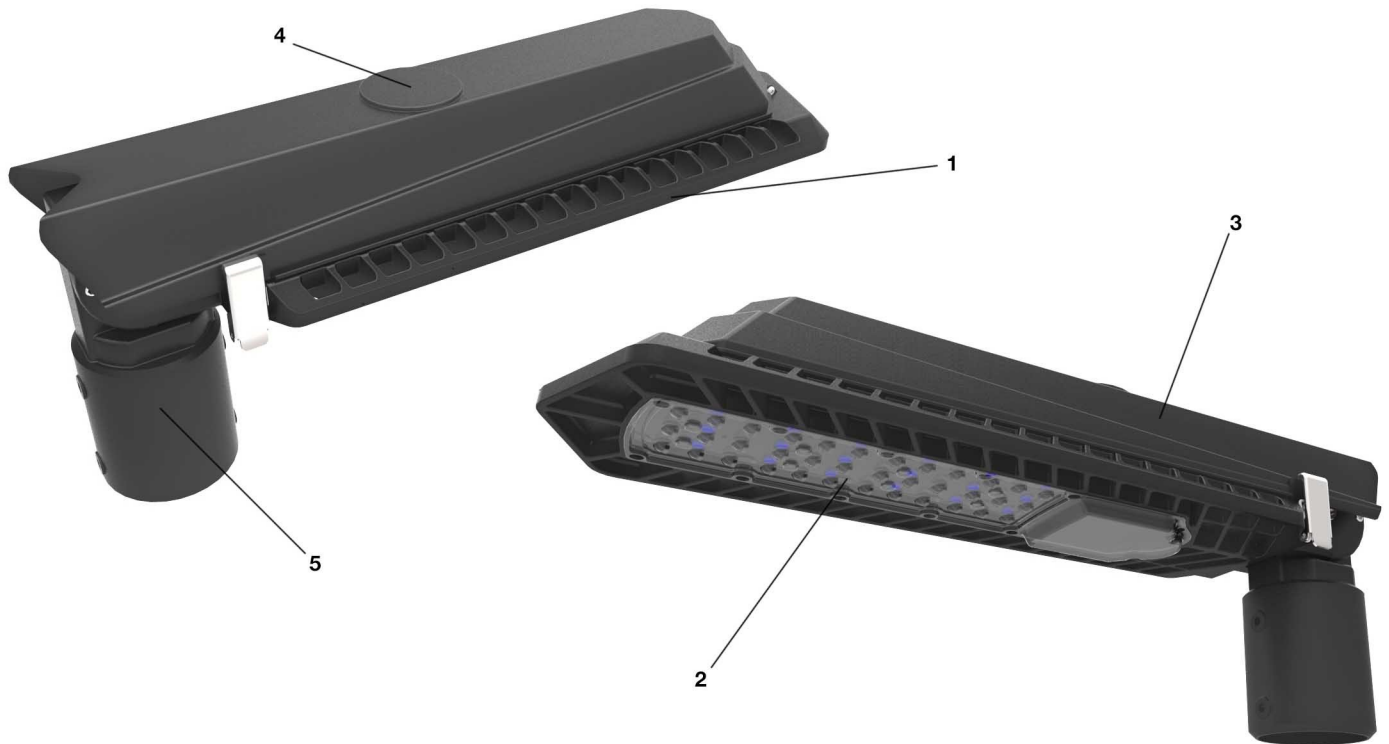


LOCKHEED

by  VISION

VISION LOCKHEED:

LED LUMINAIRE SPECIFICATION



KEY:

1: DIE CAST ALUMINIUM HEAT SINK; ALUMINIUM BASE PLATE FOR PCB TO ALLOW MAXIMUM SURFACE CONTACT. INTERIOR CHANNELLING TO PROVIDE PRIMARY ROUTE FOR HEAT TO DISSIPATE (FIG.A). EXTERNAL FRAME CONTINUES CHANNELS WITH VENTILATION STALLS AT EXTEMITIES FOR MAXIMUM AIRFLOW AND THERMAL TRANSFER INTO THE ENVIRONMENT. HEAT SINK ALSO FEATURES AN EQUILIBRIUM VALVE (FIG.B) WHICH REGULATES AIR PRESSURE AND TEMPERATURE FOR THE TOTAL ASSEMBLY.

2: ACRYLIC THERMOPLASTIC IP67 OPTICS ASSEMBLY AVAILABLE IN VARIOUS CONFIGURATIONS TO SUIT DIFFERING DESIGN SOLUTIONS. OPTION ALSO AVAILABLE FOR MODULAR OEM OPTICS VIA USE OF THE VISION LOCKHEED BOWL. BOTH BOWL & OPTICS COME WITH IK08 IMPACT & G6 GLARE, WITH NO LIGHT ABOVE THE 90 DEGREE PLANE. .

3: TOP MOUNTED IP67 ALUMINIUM SHROUD HOUSING ALL CONNECTIONS, DIMMING MODULE (IF NECESSARY), SURGE PROTECTION & POWER SUPPLY. SHROUD IS HINGED AND FIXED BY TWO TOOL-LESS CLIPS AT THE LUMINAIRE'S SPIGOT. GEAR TRAY IS 2BA ANNEALED STAINLESS FOR ITS THERMAL REFLECTIVE PROPERTIES; MEANING ARRAY HEAT & POWER SUPPLY HEAT DO NOT HAVE CONFLICT (FIG.C).

4: FLAT PORT FOR CONTROL MODULE; DESIGNED TO ACCOMMODATE ANY CONFIGURATION OF PECU (MINI/NEMA) OR CMS MODULE'S. PORT ALSO FEATURES UP TO 7 CORE CONNECTION FOR POWER AND DIMMING CABLES INTO THE CONTROL MODULE.

5: FULLY ADJUSTABLE SPIGOT ASSEMBLY; THE VISION REFLEX SPIGOT WILL ALLOW FOR 0 DEGREES (POST TOP) TO 110 DEGREES (SIDE ENTRY +20) IN INCREMENTS OF 5 DEGREES.

FIG.A

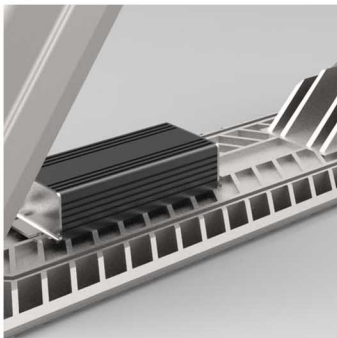


FIG.B



FIG.C

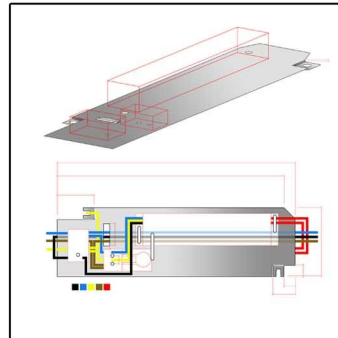
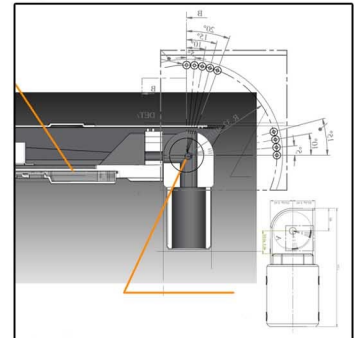


FIG.D



VISION LOCKHEED:

LED LUMINAIRE SPECIFICATION

LUMINAIRE:

MODEL: LOCKHEED
PART NO.: VIS-LKD
DESCRIPTION: VISION LOCKHEED LED
LUMINAIRE C/W REFLEX SPIGOT

MATERIALS:
LM16 CASTING ALUMINIUM
2BA ANNEALED STAINLESS GEAR TRAY
PMMA ACRYLIC OPTIC
BZP STEEL FASTENERS

INGRESS PROTECTION: IP67
IMPACT RATING: IK08
WEIGHT: 7KG
WIND FACTOR: 0.084
GLARE CATEGORY: G6
PHOTOBIOLOGICAL RISK GROUP: RG0

SPIGOT SIZE: 78MM I.D.
SPIGOT FIXING: 4 x M8 GRUB SCREW

SPIGOT RANGE: 0-110 DEGREES (0=POST TOP)
SPIGOT INCREMENTS: 5 DEGREES
SPIGOT ADJUSTMENT: 2 X M8 GRUB SCREW

SPIGOT ACCESSORIES:
42MM REDUCER
60MM REDUCER
+10 -10 LATERAL ADJUSTMENT COLLAR

ELECTRICAL DATA:

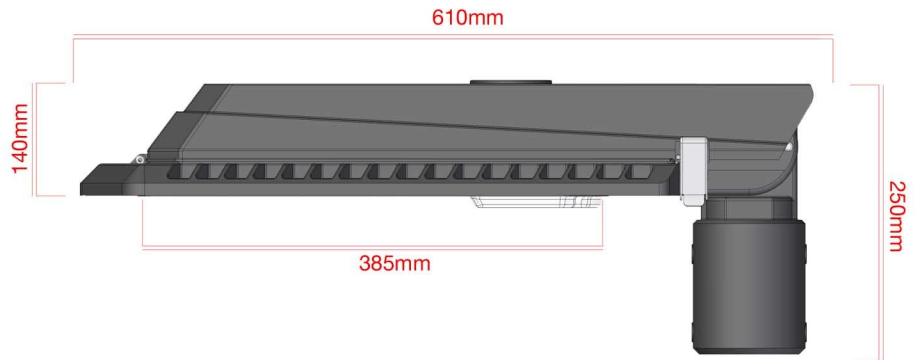
INPUT VOLTAGE: 100-277VAC (85-305)
OUTPUT VOLTAGE: 77-149

SURGE PROTECTION: 10KVA
FUSED PROTECTION: 2 X 6.3A
OVERVOLTAGE PROTECTION: 500V

OPERATING FREQUENCY: 50-60HZ
POWER FACTOR*: 0.95+

*rated at 100% power, 100% light output

INTERNAL CABLE: 1MM HEV 500V



LIFESPAN CHARACTERISTICS*:

LM80/TM21 DATA:

L90: 36,000HRS
L80: 70,000HRS
L70: 120,000HRS

*test based on various CCT range of XTEAWT LED's mounted in 25 x Lockheed luminaires. Test conducted at 25 °C ambient with Inventronics Driver preset at 1000MA, Driver case temperature recorded at 45 °C. Test duration was for a total of 18,144 hours & no failures were recorded during testing.

FAILURE RATE:

F10: 120,000HRS

CRI*: 70+
CRI SHIFT OVER LIFE: 2%

*minimum CRI value stated

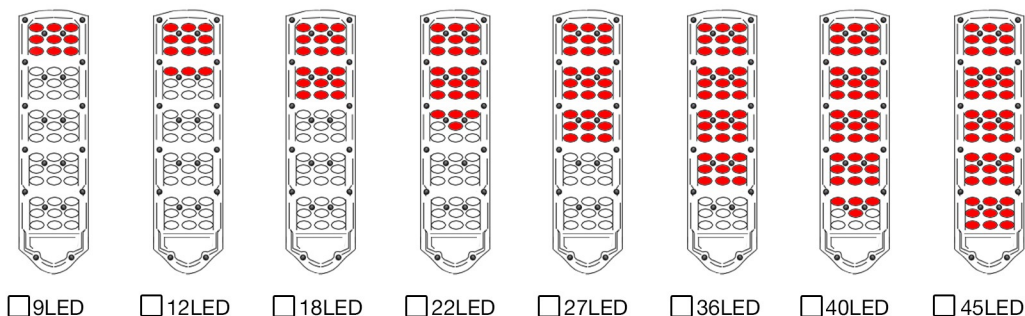
ACCREDITATION:

CE CERTIFICATION
ROHS CERTIFICATION
LIAQA
SEDEX REGISTERED

VISION LOCKHEED:

LED LUMINAIRE SPECIFICATION

PCB CONFIGURATIONS:



LED SPECIFICATION:

MANUFACTURER: CREE INC.
RANGE: X LAMP
MODEL: X-TE

LED BINNING: 3 STAGE ELIPSE

NB: Lumens per watt (LM/W) ratings are taken as a raw chip with no light obstruction via optics or reflector

<input type="checkbox"/> R3	XTEAWT-00-0000-00000HCE8	2700K - 80CRI - 114LM/W
<input type="checkbox"/> Q2	XTEAWT-00-0000-00000UAE8	2700K - 90CRI - 100LM/W
<input type="checkbox"/> R3	XTEAWT-00-0000-00000HFE6	3500K - 80CRI - 140LM/W
<input type="checkbox"/> Q4	XTEAWT-00-0000-00000UCE6	3500K - 90CRI - 114LM/W
<input type="checkbox"/> R4	XTEAWT-00-0000-00000HGF5	4250K - 80CRI - 148LM/W
<input type="checkbox"/> Q4	XTEAWT-00-0000-00000UCF5	4250K - 90CRI - 114LM/W
<input type="checkbox"/> R5	XTEAWT-00-0000-00000HHE3	5000K - 80CRI - 158LM/W
<input type="checkbox"/> Q5	XTEAWT-00-0000-00000UDE3	5000K - 90CRI - 122LM/W
<input type="checkbox"/> S3	XTEAWT-00-0000-00000BKE2	5700K - 70CRI - 177LM/W
<input type="checkbox"/> R5	XTEAWT-00-0000-00000HHE2	5700K - 80CRI - 158LM/W

LED DRIVER:

INVENTRONICS HANGZHOU

INPUT VOLTAGE: 100-277VAC
OUTPUT VOLTAGE: 75-149VDC
INPUT CURRENT: 0.8A
OPERATING FREQUENCY: 50-60HZ

DRIVER LIFESPAN: 120,000HRS
DRIVER INGRESS PROTECTION: IP67

<input type="checkbox"/>	EUC-052S035DV	>52W - 350MA - IP67 - 0-10V DIMMING
<input type="checkbox"/>	EUC-052S050DV	>52W - 500MA - IP67 - 0-10V DIMMING
<input type="checkbox"/>	EUC-052S070DV	>52W - 700MA - IP67 - 0-10V DIMMING
<input type="checkbox"/>	EUC-075S035DV	>75W - 350MA - IP67 - 0-10V DIMMING
<input type="checkbox"/>	EUC-075S050DV	>75W - 500MA - IP67 - 0-10V DIMMING
<input type="checkbox"/>	EUC-075S070DV	>75W - 700MA - IP67 - 0-10V DIMMING
<input type="checkbox"/>	EUC-100S035DV	>100W - 350MA - IP67 - 0-10V DIMMING
<input type="checkbox"/>	EUC-100S050DV	>100W - 500MA - IP67 - 0-10V DIMMING
<input type="checkbox"/>	EUC-100S070DV	>100W - 700MA - IP67 - 0-10V DIMMING

POWDER COATING:

AKZO NOBEL

INTERPON 610
D2525 STRUCTURA

<input type="checkbox"/>	RAL 9003 MA403E Interpon 610	<input type="checkbox"/>	RAL 9002 MC402E Interpon 610	<input type="checkbox"/>	RAL 7032 ML417E Interpon 610	<input type="checkbox"/>	BS 00A05 ML450E Interpon 610
<input type="checkbox"/>	RAL 6005 MK405E Interpon 610	<input type="checkbox"/>	Black MN406E Interpon 610	<input type="checkbox"/>	Black MN440E Interpon 610	<input type="checkbox"/>	BS 632 NL405E Interpon 610



VISION LOCKHEED:

LED LUMINAIRE SPECIFICATION

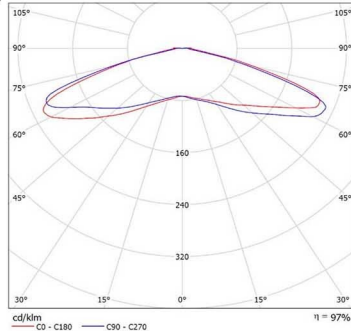
LED ARRAY OPTICS:

MANUFACTURER: LEDiL OY
 RANGE: STRADA
 LED TYPE: CREE XTE
 TYPE: OVERLAPPING LENS
 GLARE CATEGORY: G6

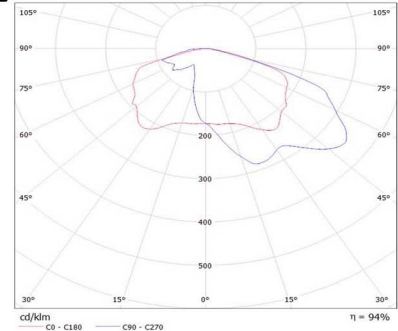
APPLICATIONS:

HORIZONTAL ROADWAY: ME DNW T-3
 T-4 DN
 CROSSING: PX
 AREA: VSM CY

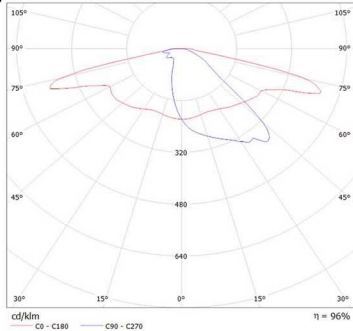
☐ VSM



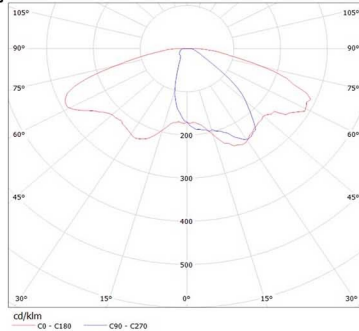
☐ T-4



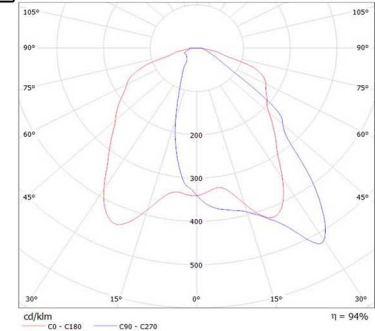
☐ ME



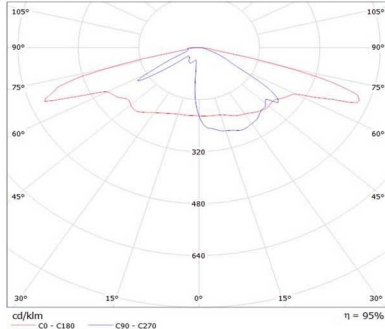
☐ DNW



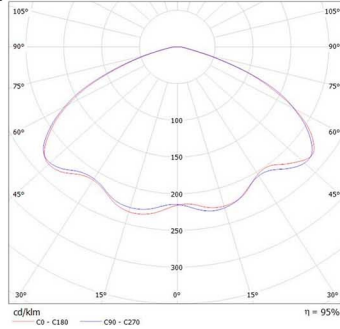
☐ DN



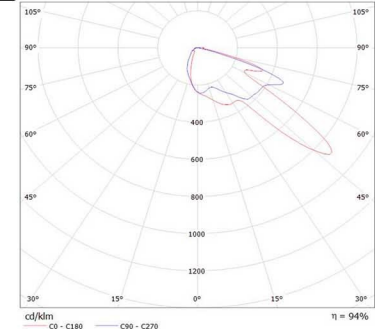
☐ T-3



☐ CY



☐ PX

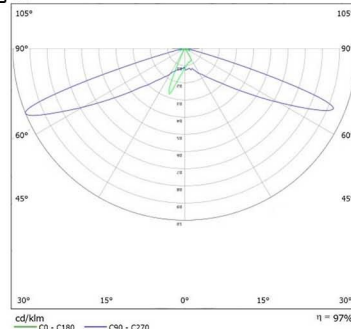


MANUFACTURER: VISION
 RANGE: FLEX LPX_LKD
 LED TYPE: CREE XTE
 TYPE: OVERLAPPING LENS
 GLARE CATEGORY: G6

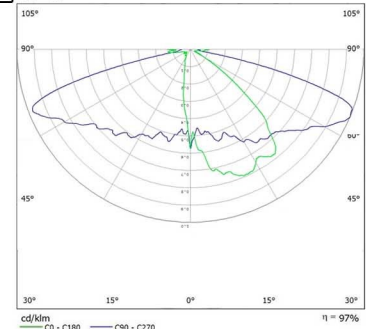
APPLICATIONS:

HORIZONTAL ROADWAY: MEC SP

☐ SP



☐ MEC



VISION LOCKHEED:

LED LUMINAIRE SPECIFICATION

SWITCHING & CONTROL:

NON DIMMING OPTIONS:

3PIN NEMA SOCKET ☐
20mm 1PART MINIATURE PECU ☐

DIMMING OPTIONS:

LED DRIVER PRE-PROGRAMMING AVAILABLE ☐

5PIN NEMA SOCKET PRE WIRED WITH 0-10V ☐
7PIN NEMA SOCKET PRE WIRED WITH DALI INTERFACE ☐
20mm 1PART PRE SET DIMMING MINIATURE PECU ☐
20mm 1PART "PART NIGHT" MINIATURE PECU ☐
DALI PROTOCOL ADD ON ☐

DIAGNOSTIC & TUNING:

PRE-PROGRAMMABLE DIMMING SOFTWARE (WINDOWS ONLY) ☐
USB CONNECTION DEVICE ☐
Li-Fi ENABLED INTERFACE ☐
Li-Fi APPLICATION FOR ANDROID & IOS ☐

ACCESSORIES:

LEFT HAND BAFFLE ☐
RIGHT HAND BAFFLE ☐
REAR BAFFLE ☐
FRONT BAFFLE ☐

*BAFFLE ASSEMBLIES CAN BE COMBINED

42MM REDUCING COLLAR FOR SPIGOT ☐
60MM REDUCING COLLAR FOR SPIGOT ☐
90MM EXPANSION PACK FOR SPIGOT ☐

SPARE PARTS:

ALL PARTS OF THE LOCKHEED ARE AVAILABLE TO ORDER SEPARATELY,
PLEASE CONTACT VISION DIRECT FOR ANY PART IDENTIFICATION OR
SPARE COMPONENTS YOU MAY NEED.





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