QSSI SINCE 1985

The QSSI UK LV1AE series wall, pendant and ceiling mount luminaire is available with LumaLens lens, and open, vertical half or horizontal half door frames designed to replace HID lighting systems from 70w to 175w MH or HPS. Typical lighting applications include retail centres, industrial parks, schools and universities, public transit and airports, office buildings and medical facilities. Mounting heights of 3 to 6 metres can be used based on light level and uniformity requirements.

Specifications and Features:

Housing:
Heavy-duty die cast aluminium housing and top frame. Can be tapped for side conduit entry.

Listing & Ratings:
UKCA/CE: Listed for for wet locations, ANSI/UL 1598, 8750
Note: If using the Quick-Mount Bracket, the power feed must be made at the drill point locations on the sides of the fixture, not through the Bracket to maintain the Wet Locations listing. IP66 sealed LED compartment, IK10 Impact rating.

Finish:
Platinum powdercoat finish over a chromate conversion coating. Custom colours available upon request.

Lens:
SoftLED LumaLens opal UV-stabilised polycarbonate vandal-resistant lens

Mounting Options:
Surface mount or use optional stainless steel quick-mount bracket, adjustable bracket or yoke.

EasyLED LED:
Aluminium boards

Wattage:
22w array model: 26.4w (70w HID equivalent)
37w array model: 43.4w (175w HID equivalent)

Driver:
UKCA/CE Certified Driver

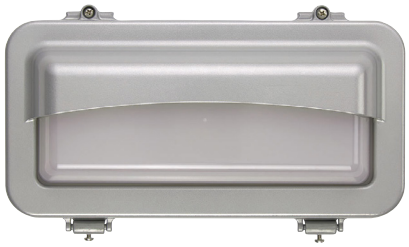
Warranty:
5-year Warranty for -40°C to +50°C environment.

See page 2 for Projected Lumen Maintenance Table.

LV1AEQ

L70 25°C — 187,000 Hours

EasyLED 309mm Linear LED Die Cast IP66

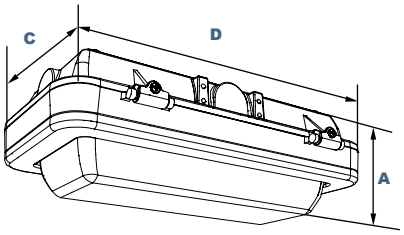


LV1AHEQ

LV1AVEQ

LV1AOEQ

Dimensions	
Width (D)	309mm
Length (C)	178mm
Height (A)	LV1AOEQ: 102mm LV1AHEQ & LV1AVEQ: 107mm



Order Information Example: LV1AOEQF37U4KLPEM

	F		U		L		
Model	**Optics**	**Wattage**	**Driver**	**CCT**	**Lens**	**Colour**	**Options**
LV1AOEQ=EasyLED Open Frame 309mm Linear LED Die Cast **LV1AHEQ**=EasyLED Horizontal Hood 309mm Linear LED Die Cast **LV1AVEQ**=EasyLED Vertical Hood 309mm Linear LED Die Cast	**F**=Wide	**22**=22w **37**=37w	**U**=UKCA/CE Certified Driver	**4K**=4000K **5K**=5000K* ***For 22w Veritcal Hood model only.**	**L**=SoftLED LumaLens Opal UV-Stabilised Polycarbonate Array Lens	**P**=Platinum **C**=Custom (Consult Factory)	**S3**=Internal Microwave Sensor **EM**=3 Hour Emergency Battery Backup* ***22w Model Only**

Certification & Listings:

UKCA CE IP66 IK10

SoftLED

ASSEMBLED IN BRITAIN

Specifications subject to change without notice. Rev. 051823

The Old Airfield • High Ercall, Telford
Shropshire TF6 6AP • Phone: 01952-770-382
For more information visit our website at www.qssi.com or email customerserviceuk@qssi.com

6 LOCATIONS
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LV1AEQ

L70 25°C | 187,000 Hours

EasyLED 309mm Linear LED Die Cast IP66

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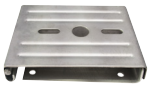
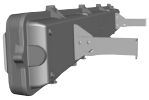
Accessories & Replacement Parts:

Mounting Accessories (Order separately, field installed)

LVAQM	Stainless steel quick mount bracket. Note: The power feed must be made at the drill point locations on the sides of the fixture, not through the Bracket, to maintain the Wet Locations listing.
LVABRSS	Stainless steel adjustable bracket, set of two
LV1AYSS	Stainless steel yokes for LV1AE, includes hardware.



LVAQM



LVABRSS*

LV1AYSS*

*Shown Mounted

Accessories (Order separately, field installed)

P17122	Remote Programming Tool for P17121

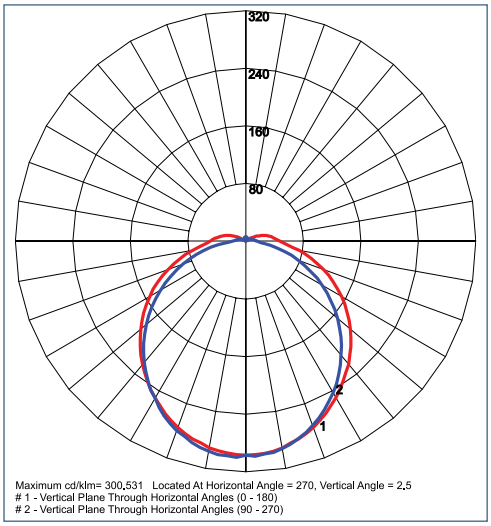
P17122

Replacement Parts (Order separately, field installed)

P17121	Internal Microwave Sensor
Contact factory for replacement Battery Backup.	

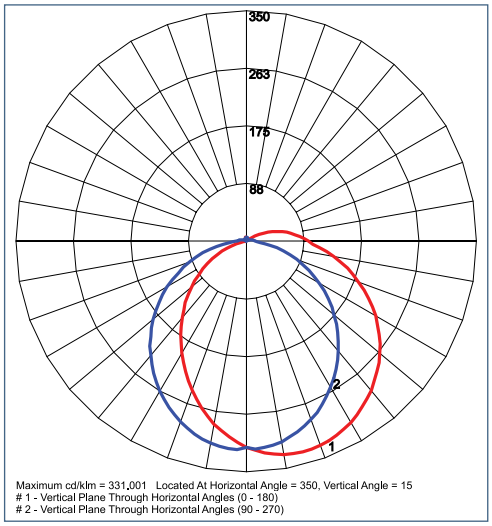
P17121

Photometric Data



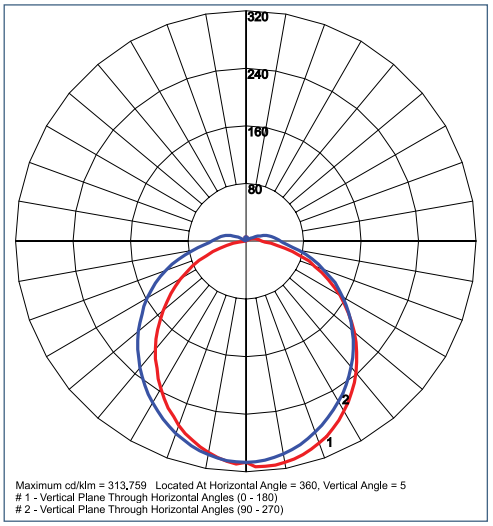
Maximum cd/klm= 300,531 Located At Horizontal Angle = 270, Vertical Angle = 2,5
1 - Vertical Plane Through Horizontal Angles (0 - 180)
2 - Vertical Plane Through Horizontal Angles (90 - 270)

LV1AOEQF37U4KL - Wide Optic



Maximum cd/klm = 331,001 Located At Horizontal Angle = 350, Vertical Angle = 15
1 - Vertical Plane Through Horizontal Angles (0 - 180)
2 - Vertical Plane Through Horizontal Angles (90 - 270)

LV1AHEQF37U4KL - Wide Optic



Maximum cd/klm = 313,759 Located At Horizontal Angle = 360, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (0 - 180)
2 - Vertical Plane Through Horizontal Angles (90 - 270)

LV1AVEQF37U4KL - Wide Optic

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Shropshire TF6 6AP • Phone: 01952-770-382
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LV1AEQ

L70 25°C | 187,000 Hours

EasyLED 309mm Linear LED Die Cast IP66

QSSI SINCE 1985

Photometric Performance

Variant	Drive Current (mA)	Wattage	Optics	5000 CCT 80 CRI		4000 CCT 80 CRI	
				Lumen Output	LIm/cW	Lumen Output	LIm/cW
EasyLED 22w (LumaLens)	116	26	Open Frame -Type IV	-	-	2,828	109
EasyLED 22w (LumaLens)			Horizontal Frame -Type IV	-	-	2,274	88
EasyLED 22w (LumaLens)			Vertical Frame -Type III	2,705	104	2,597	100
EasyLED 37w (LumaLens)		43	Open Frame -Type IV	-	-	4,750	110
EasyLED 37w (LumaLens)			Horizontal Frame -Type IV	-	-	3,908	91
EasyLED 37w (LumaLens)			Vertical Frame -Type II	-	-	4,223	98

Projected Lumen Maintenance

Data shown for 4000 CCT			Compare to MH			
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L70@ 25°C
L70 Lumen Maintenance @ 25°C / 77°F	26	1.00	0.96	0.92	0.84	187,000
L70 Lumen Maintenance @ 25°C / 77°F	43	1.00	0.96	0.92	0.84	187,000
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L70@ 50°C
L70 Lumen Maintenance @ 50°C / 122°F	26	1.00	0.94	0.88	0.75	121,000
L70 Lumen Maintenance @ 50°C / 122°F	43	1.00	0.93	0.86	0.72	109,000
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L80@ 40°C
L80 Lumen Maintenance @ 40°C / 104°F	26	1.00	0.95	0.89	0.79	94,000
L80 Lumen Maintenance @ 40°C / 104°F	43	1.00	0.94	0.88	0.79	84,000

NOTES:
1. Projected per IESNA TM-21-11. Data references the extrapolated performance projections for the 116mA base model in a 25°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08.
2. Compare to MH box indicates suggested Light Loss Factor (LLF) to be used when comparing to Metal Halide (MH) systems.

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