VS VALUE SELECT

VALUE LANCE
TROFFER RETROFIT KIT

ILP
407-478-3759
www.ilp-inc.com

FEATURES

- LED Retrofit Kit for recessed lighting applications
- One-piece unit with two universal mounting brackets
- Universal brackets allow for installation in grid or hard lid ceilings
- Average install time less than 3 minutes
- Frosted acrylic lens
- 2x2 & 2x4 sizes available
- Advanced Control option
- BAA Compliant option available
- 3500K & 4000K CCT
- >80 Color Rendering Index (CRI)
- Calculated L_{70}>100,000 hours
- 0-10V Dimmable Driver (100% - 10%)
- 120-277V Universal Driver
- 5 Year Warranty (std); 10 Year Warranty Optional
- UL Classified for Damp Locations
- DesignLights Consortium® Premium Qualified Luminaire

EasySense · enlighted A Siemens Company · VIVE by Lutron · Quick Ship · Title 24 · 5 Year Warranty · 10 Optional 10 Year · Classified c UL us · DLC Premium

SUITABLE APPLICATIONS

- Education
- Healthcare
- Offices
- Hallways
- Multipurpose Rooms
- Conference Rooms

ORDERING GUIDE:

Series		Lumens	Driver	CCT	BAA		WARRANTY	
VLN22	Value LANCE Troffer Kit 2' x 2'	**3L**	**U** 120-277V	**40**	**BLANK**	Non BAA	**BLANK**	5 Year
		4L		**35**	**BAA**[5]	BAA Compliant	**10YR**[6]	10 Year
VLN24	Value LANCE Troffer Kit 2' x 4'	**3L**						
		4L						
		7L						

OPTIONS		CONTROLS	
Factory Installed		**Advanced**	
SR	Sensor Ready Driver	**ES** [1,4]	EasySense Sensor
DR	Dali Ready Driver	**5E/CU/IL** [4]	Enlighted 5E Individual Lighting (IL) Sensor w/ Control Unit
BLD	Bi-level Dimming Driver with 2 Hot Leads	**5E/CU/CL** [4]	Enlighted 5E Connected Lighting (CL) Sensor w/ Control Unit
FI/ILBCP05	5W LED Factory Installed Battery Backup	**5E/CU/IOT** [4]	Enlighted 5E Internet of Things (IOT) Sensor w/ Control Unit
FI/ILBCP05/HE	5W LED Factory Installed Battery Backup - CEC Title 20 Compliant	**5E/5W/IL** [4]	Enlighted 5E Individual Lighting (IL) Sensor w/ Aux Driver/5 Wire Connection
FI/ILBCP07	7W LED Factory Installed Battery Backup	**5E/5W/CL** [4]	Enlighted 5E Connected Lighting (CL) Sensor w/ Aux Driver/5 Wire Connection
FI/ILBCP07/HE	7W LED Factory Installed Battery Backup - CEC Title 20 Compliant	**5E/5W/IOT** [4]	Enlighted 5E Internet of Things (IOT) Sensor w/ Aux Driver/5 Wire Connection
FI/ILBCP10	10W LED Factory Installed Battery Backup	**VDO** [2,4]	Lutron Vive DFCSJ-OEM-OCC (Daylight and Occupancy)
FI/ILBCP10/HE	10W LED Factory Installed Battery Backup - CEC Title 20 Compliant	**VRF** [2,4]	Lutron Vive DFCSJ-OEM-RF (Radio Frequency Only)
FI/ILBCP12	12W LED Factory Installed Battery Backup		

	Ship With Accessories
ES/PCD [3]	EasySense Pre-Programmed Control Device
ES/WWS/DR	EasySense Dual Rocker Wireless Wall Switch

[1] Must be used with ES/PCD for commissioning
[2] Must be used with SR Sensor Ready Driver
[3] One needed per project
[4] View controls page for more detail (pg.3)
[5] Consult Factory
[6] Contact Factory for more details

QUICK SHIP ITEMS:

SERIES		LUMENS	DRIVER	CCT
VLN22	Value LANCE Troffer Kit 2' x 2'	**3L**	**U** 120-277V	**40**
		4L		**35**
VLN24	Value LANCE Troffer Kit 2' x 4'	**3L**		
		4L		
		7L		

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TROFFER RETROFIT KIT

LED SYSTEMS INFO

PART NUMBER	LUMENS	WATTS	EFFICACY	REPLACES
VLN22-3L-U-40	3,295 lm	25 W	134 lm/W	2T8
VLN22-4L-U-40	4,511 lm	35 W	129 lm/W	3T8
VLN24-3L-U-40	3,375 lm	25 W	137 lm/W	2T8
VLN24-4L-U-40	4,590 lm	35 W	132 lm/W	3T8
VLN24-7L-U-40	6,782 lm	53 W	129 lm/W	4T8

LED System data above was tested at 120V on VLN22-3L-U-40, VLN22-4L-U-40, VLN24-3L-U-40, VLN24-4L-U-40 & VLN22-7L-U-40.

PART NUMBER	LUMENS	WATTS	EFFICACY	REPLACES
VLN22-3L-U-35	3,240 lm	25 W	132 lm/W	2T8
VLN22-4L-U-35	4,440 lm	35 W	128 lm/W	3T8
VLN24-3L-U-35	3,322 lm	24 W	136 lm/W	2T8
VLN24-4L-U-35	4,525 lm	35 W	131 lm/W	3T8
VLN24-7L-U-35	6,705 lm	52 W	128 lm/W	4T8

LED System data above was tested at 120V on VLN22-3L-U-35, VLN22-4L-U-35, VLN24-3L-U-35, VLN24-4L-U-35 & VLN22-7L-U-35.

SPECIFICATIONS

CONSTRUCTION
Post painted white steel body for maximum rigidity and durability. One-piece unit with two universal mounting brackets for quick and easy installation into grid and hard-lid ceilings.

ELECTRICAL
Class 2 LED light engine for high efficacy and long life. Calculated L_{70} > 100,000 hours. LED Lumen Maintenance Estimates based on TM-21 projections for the light source at 25˚C ambient. Power Factor > 0.90. Standard 120-277 Vac 0-10V dimmable (10%-100%). Optional Sensor Ready and DALI ready drivers for pairing with controls and integrated controls networks.

MOUNTING
One-piece door frame light engine with two universal mounting brackets for easy installation. The one-piece door frame can be hinged to the universal mounting brackets for the completion of installation. See page 3 for step-by-step troffer kit installation instructions.

WARRANTY
5 Year Warranty Standard; 10 Year Warranty Optional (Terms and Conditions apply).

OPTICS
Standard PMMA frosted acrylic volumetric lens for durability and LED glare reduction. Removeable lens for easy access to LED boards and maintenance.

TROFFER COMPATIBILITY
VLN is designed to fit into most existing parabolic and lensed troffers with a housing depth of 3 ⅛" or greater. ILP recommends a test installation prior to ordering project quantities. Contact factory for additional troffer compatibility confirmation. VLN maintains insulation contact (IC) rating of existing fixture.

CONTROLS
Factory installed Advanced integral EasySense option available. Sensor mounts within the body of the fixture.

CERTIFICATIONS
UL Classified to US and Canadian safety standards. Suitable for damp locations. DLC (DesignLights Consortium) Premium Qualified. Please refer to the DLC Qualified Products List at www.designlights.org/QPL to confirm specific product qualifications.
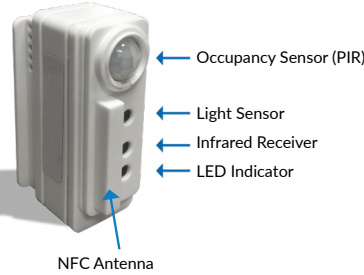
VALUE LANCE
TROFFER RETROFIT KIT

ADVANCED CONTROLS OPTIONS

EASYSENSE

ES

EasySense sensor combines occupancy sensing, daylight harvesting & institutional tuning in one compact solution. This is an ideal control for any commercial application. Each sensor allows you to turn on/off occupancy and/or daylight harvesting functions as well as set the full light output, background light level, occupancy prolong time, occupancy grace fading time and occupancy time out/hold time. Requires use of EasySense Pre-Programmed Control Device (ES/PCD), or approved phone from compatibility list; one needed per project.

Occupancy Sensor (PIR)

Light Sensor

Infrared Receiver

LED Indicator

NFC Antenna

ES/PCD

Pre-Programmed EasySense Control Device. One needed per project. Sensor can also be programmed with the approved compatible cell phone (listed to the right).

Compatible Cell Phones:
- LG G3
- LG G Vista
- LG G4
- Samsung S5
- Samsung S5 WHT
- Samsung Note 4
- Samsung Note Edge
- Samsung Galaxy S7 Edge
- Samsung Galaxy J3
- Samsung Galaxy J7
- Samsung S8
- Samsung Galaxy S9
- Nexus 5X
- Nexus 6P

ES/WWS/DR

Optional Wireless / Batteryless Dual Rocker Wall Switch. Up to 100ft range. Functions include: On/Off, dimming and setting of (2) scences for full room control.

Specifications:
- Wireless
- Batteryless
- Dual Rocker
- ZigBee®
- 30 - 100ft Range

Functions:
1. On (Hold to brighten up)
2. Off (Hold to dim down)
3. Scene 1
4. Scene 2

LUTRON

VDO

Vive DFCSJ-OEM-OCC integral fixture control sensor with daylight & occupancy. Vive provides intuitive programming allowing for maximum flexibility with wireless communication and sensing as desired. Provided factory installed components only. Lutron system provided by others. Contact factory for more information.

VRF

Vive DFCSJ-OEM-RF integral fixture control with Radio Frequency (RF) communication. Vive provides intuitive programming allowing for maximum flexibility with wireless communication as desired. Providing factory installed components only. Lutron system provided by others. Contact factory for more information.

ENLIGHTED

5E/CU/IL

Bundled System with Enlighted 5E sensor (SU-5E-IL), Control Unit (CU-4E-FM) & Cable (CBL-5E-CU4-30N). Fixtures are controlled based on occupancy & ambient light. Includes ability to group fixtures together & connect to a switch to zone fixtures for group operation. Provided factory installed components only. Enlighted system provided by others. Contact factory for more information.

5E/CU/CL

Bundled System with Enlighted 5E sensor (SU-5E-CL), Control Unit (CU-4E-FM) and Cable (CBL-5E-CU4-30N). Fixtures are controlled based on occupancy and ambient light. Includes individual lighting control plus connection to Enlighted Energy Manager. The Energy Manager provides data analysis for all data collected by the Enlighted Smart Sensors for energy, occupancy and environment. Provided factory installed components only. Enlighted system provided by others. Contact factory for more information. (see image above)

5E/CU/IOT

Bundled System with Enlighted 5E sensor (SU-5E-IOT), Control Unit (CU-4E-FM) and Cable (CBL-5E-CU4-30N). Fixtures are controlled based on occupancy and ambient light. Includes individual lighting control plus connection to Enlighted Energy Manager. Energy Manager provides data analysis for all data collected by Enlighted Smart Sensors for energy, occupancy & environment. Additionally, the IOT functionality takes the data access and function beyond just lighting to a wide range of applications beyond the standard connected lighting controls. Provided factory installed components only. Enlighted system provided by others. Contact factory for more information. (see image above)

5E/5W/IL

Bundled System with Enlighted 5E sensor (SU-5E-IL) & Cable (CBL-5E-CU4-30N) paired with a driver with auxiliary power and 5 wire connection. Fixtures are controlled based on occupancy and ambient light. Includes ability to group fixtures together and connect to a switch to zone fixtures for group operation. Provided factory installed components only. Enlighted system provided by others. Contact factory for more information. (see image above)

5E/5W/CL

Bundled System with Enlighted 5E sensor (SU-5E-CL) & Cable (CBL-5E-CU4-30N) paired with a driver with auxiliary power and 5 wire connection. Fixtures are controlled based on occupancy and ambient light. Includes individual lighting control plus connection to Enlighted Energy Manager. The Energy Manager provides data analysis for all data collected by the Enlighted Smart Sensors for energy, occupancy and environment. Provided factory installed components only. Enlighted system provided by others. Contact factory for more information. (see image above)

5E/5W/IOT

Bundled System with Enlighted 5E sensor (SU-5E-IOT) & Cable (CBL-5E-CU4-30N) paired with a driver with auxiliary power and 5 wire connection. Fixtures are controlled based on occupancy and ambient light. Includes individual lighting control plus connection to Enlighted Energy Manager. The Energy Manager provides data analysis for all data collected by Enlighted Smart Sensors for energy, occupancy & environment. Additionally, the IOT functionality takes the data access and function beyond just lighting to a wide range of applications beyond the standard connected lighting controls. Provided factory installed components only. Enlighted system provided by others.Contact factory for more information. (see image above)

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TROFFER RETROFIT KIT

CONTROLS OPTIONS
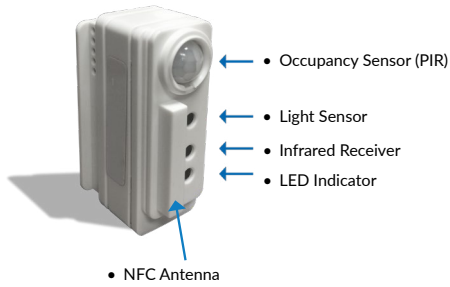
← Occupancy Sensor (PIR)

← Light Sensor

← Infrared Receiver

← LED Indicator

• NFC Antenna

ES

EasySense sensor combines occupancy sensing, daylight harvesting & institutional tuning in one compact solution. This is an ideal control for any commercial application. Each sensor allows you to turn on/off occupancy and/or daylight harvesting functions as well as set the full light output, background light level, occupancy prolong time, occupancy grace fading time and occupancy time out/hold time. Requires use of EasySense Pre-Programmed Control Device (ES/PCD), or approved phone from compatibility list; one needed per project.

Compatible Cell Phones:
- LG G3
- LG G Vista
- LG G4
- Samsung S5
- Samsung S5 WHT
- Samsung Note 4
- Samsung Note Edge
- Samsung Galaxy S7 Edge
- Samsung Galaxy J3
- Samsung Galaxy J7
- Samsung S8
- Samsung Galaxy S9
- Nexus 5X
- Nexus 6P

ES/PCD

Pre-Programmed EasySense Control Device. One needed per project. Sensor can also be programmed with the above approved compatible cell phone.

Specifications:
- Wireless
- Batteryless
- Dual Rocker
- ZigBee®
- 30 - 100ft Range

Functions:
1. On (Hold to brighten up)
2. Off (Hold to dim down)
3. Scene 1
4. Scene 2

ES/WWS/DR

Optional Wireless / Batteryless Dual Rocker Wall Switch. Up to 100ft range. Functions include: On/Off, dimming and setting of (2) scences for full room control.

TROFFER KIT INSTALLATION INSTRUCTIONS

STEP 1

Shut off or disconnect power to the fixture.

STEP 2

Remove existing fluorescent lamps and components, then disconnect existing connections to the fluorescent ballast.

STEP 3

Gently lift the original housing and insert the brackets between the housing and the T-grid. Allow the housing to rest on the brackets, securing them in place. Optional tether included on the mounting brackets to secure the kit to the housing.

STEP 4

Hang the Value LANCE body by hooking the T-hinges into the respective slots in the bracket.

STEP 5

Connect the Value LANCE to AC power and ground.

STEP 6

Rotate the Value LANCE body up into the fixture and close the latches. Turn on or reconnect power to the fixture to complete the installation.
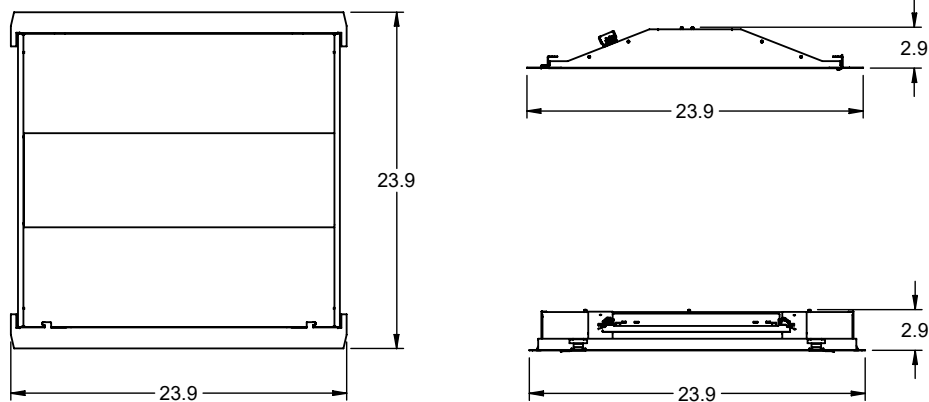
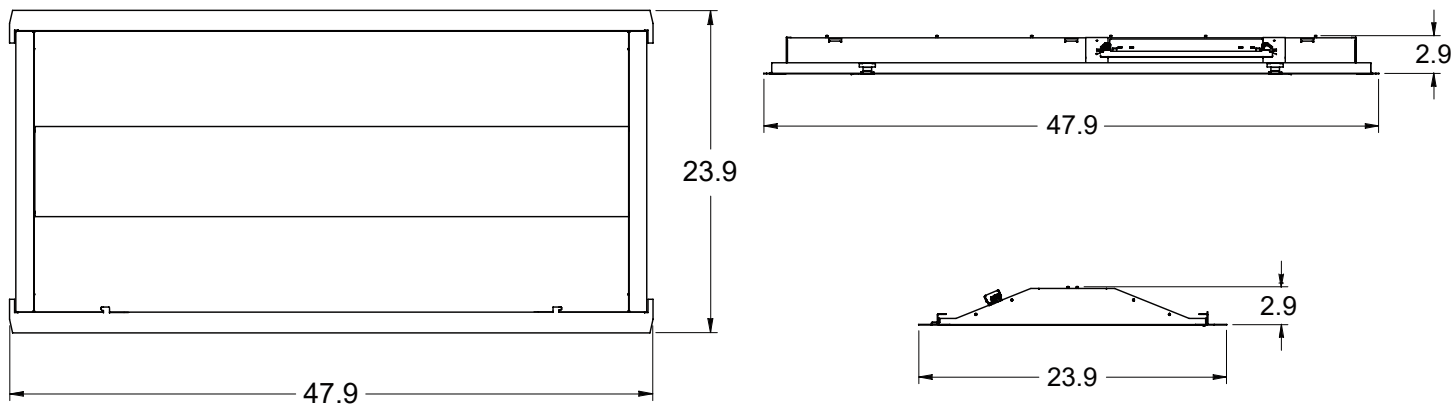ILP recommends a test installation prior to ordering project quantities.

VLNSPEC0121

VALUE LANCE

TROFFER RETROFIT KIT

LINE DRAWINGS

2 x 2 Dimensions

23.9

23.9

2.9

23.9

2.9

23.9

2 x 4 Dimensions

23.9

47.9

2.9

47.9

2.9

23.9

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TROFFER RETROFIT KIT

PHOTOMETRIC DATA

LUMINAIRE DATA	
Part Number	VLN22-3L-U-40
Description	Value LANCE Troffer Kit, 2'x2', 3000lm, 4000K
Fixture Lumens (lm)	3,295 lm
Wattage (W)	25 W
Efficacy (lm/W)	134 lm/W
Mounting	Recessed
Spacing Criteria	0° = 1.22, 90° = 1.30

ZONAL LUMEN SUMMARY		
Zone	Lumens (lm)	% Fixture
0° - 40°	1,410	43%
0° - 60°	2,516	76%
0° - 90°	3,288	100%
90° - 180°	4	0%
0° - 180°	3,292	100%

CANDELA PLOT

Totally Asymmetric Solid: 180-0 Degrees Dashed: 270-90 Degrees
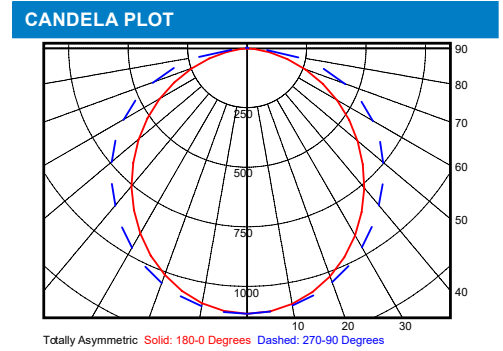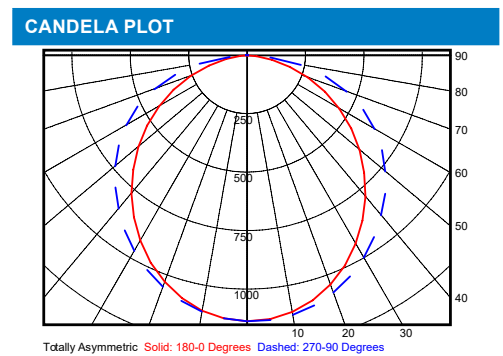
LUMINAIRE DATA	
Part Number	VLN22-4L-U-40
Description	Value LANCE Troffer Kit, 2'x2', 4000lm, 4000K
Fixture Lumens (lm)	4,511 lm
Wattage (W)	35 W
Efficacy (lm/W)	129 lm/W
Mounting	Recessed
Spacing Criteria	0° = 1.22, 90° = 1.32

ZONAL LUMEN SUMMARY		
Zone	Lumens (lm)	% Fixture
0° - 40°	1,929	43%
0° - 60°	3,441	76%
0° - 90°	4,500	100%
90° - 180°	8	0%
0° - 180°	4,507	100%

CANDELA PLOT

Totally Asymmetric Solid: 180-0 Degrees Dashed: 270-90 Degrees
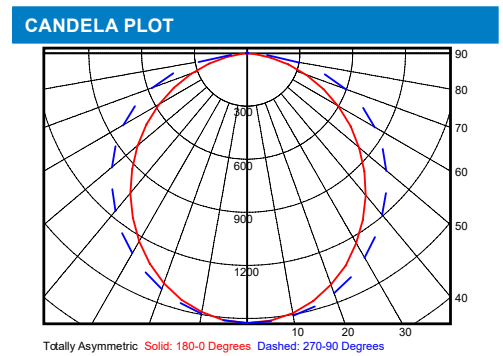
LUMINAIRE DATA	
Part Number	VLN24-3L-U-40
Description	Value LANCE Troffer Kit, 2'x4', 3000lm, 4000K
Fixture Lumens (lm)	3,375 lm
Wattage (W)	25 W
Efficacy (lm/W)	137 lm/W
Mounting	Recessed
Spacing Criteria	0° = 1.22, 90° = 1.32

ZONAL LUMEN SUMMARY		
Zone	Lumens (lm)	% Fixture
0° - 40°	1,437	43%
0° - 60°	2,564	76%
0° - 90°	3,368	100%
90° - 180°	5	0%
0° - 180°	3,373	100%

CANDELA PLOT

Totally Asymmetric Solid: 180-0 Degrees Dashed: 270-90 Degrees

LUMINAIRE DATA	
Part Number	VLN24-4L-U-40
Description	Value LANCE Troffer Kit, 2'x4', 4000lm, 4000K
Fixture Lumens (lm)	4,590 lm
Wattage (W)	35 W
Efficacy (lm/W)	132 lm/W
Mounting	Recessed
Spacing Criteria	0° = 1.22, 90° = 1.32

ZONAL LUMEN SUMMARY		
Zone	Lumens (lm)	% Fixture
0° - 40°	1,952	43%
0° - 60°	3,482	76%
0° - 90°	4,578	100%
90° - 180°	9	0%
0° - 180°	4,586	100%

CANDELA PLOT

Totally Asymmetric Solid: 180-0 Degrees Dashed: 270-90 Degrees
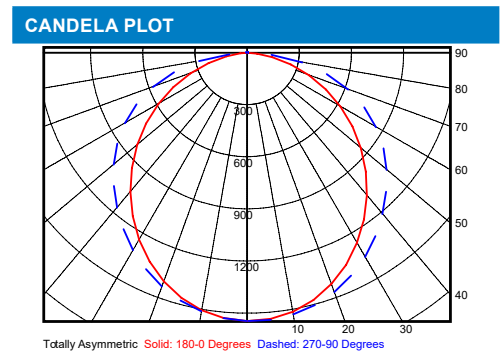
LUMINAIRE DATA	
Part Number	VLN24-7L-U-40
Description	Value LANCE Troffer Kit, 2'x4', 7000lm, 4000K
Fixture Lumens (lm)	6,782 lm
Wattage (W)	52 W
Efficacy (lm/W)	129 lm/W
Mounting	Recessed
Spacing Criteria	0° = 1.22, 90° = 1.30

ZONAL LUMEN SUMMARY		
Zone	Lumens (lm)	% Fixture
0° - 40°	2,879	43%
0° - 60°	5,144	76%
0° - 90°	6,763	100%
90° - 180°	14	0%
0° - 180°	6,777	100%

CANDELA PLOT

Totally Asymmetric Solid: 180-0 Degrees Dashed: 270-90 Degrees