

ORE
LIGHTING



LLD SERIES

LED Premium Luminaire

Replaces 280 Watt MH Area Light

**LED LUMINAIRE EXPERT
WITH PROFESSIONAL SOLUTION**



346-874-7955 Email: sales@orelighting.com Web: www.orelighting.com

Note: Specifications are subject to change at any time without notice

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ETL Listing:

Suitable for wet locations

DLC Listed:

This product is on the DESIGN Lights Consortium (DLC) Qualified Products List and is eligible for rebates from DLC Member Utilities.

IESNA LM-79 & LM-80 Testing:

ORE LED luminaires and LED components have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80.

Driver:

One Driver, Constant Current, Class I, 120-277V, 480V, 50-60Hz, Power Factor 98%, IP67

THD:

20% at 100-277V. 10% at 220-240V.

Surge Protection:

10KV line – earth

Lifespan:

100,000 – hour LED lifespan based on IES LM-80 results and TM-21 calculations.

LEDs:

Multi-chip, high-output, long-life, **LUMILEDS** 5050 LED Chips

Color Temp:

3000K (Warm)
4000k (Neutral)
5000K (Cool)

Color Uniformity:

ORE's range of CCT (Correlated Color Temperature) follows the

Chromaticity of Solid-State Lighting (SSL) Products.

IES Classification:

The Type II, III, IV and V distribution is ideal for roadway, general parking and other area lighting applications where a larger pool of lighting is required. It is intended to be located near the side of the area, allowing the light to project outward and fill the area.

Effective Projected Area:

EPA = 0.8

Maximum Ambient Temperature:

Suitable for use in 131°F (55°C) ambient temperatures

Cold Weather Starting:

Minimum starting temperature is -40°F (-40°C)

Operating Temperature:

-40°F ~ 131°F (-40°C ~ 55°C)

Housing:

Die-cast aluminum alloy housing, lens frame and mounting arm

IP Rating:

Ingress Protection rating of IP66 for dust and water

Mounting Options:

Universal mounting arm compatible for hole spacing patterns from 1" to 5 ½" center to center. Round Pole Adaptor plate included as standard. Easy slide and lock to mount fixture with ease. Round pole diameter must be >4" to mount fixtures at 90° orientation. Adjustable slip fitter for 2 3/8" tenon

Gaskets:

High-temperature silicone gaskets

Finish:

Formulated for high-durability and long-lasting color

Green Technology:

Mercury and UV-free. RoHS compliant components. Polyester powder coat finish formulated without the use of VOCs or toxic heavy metals

Replacement:

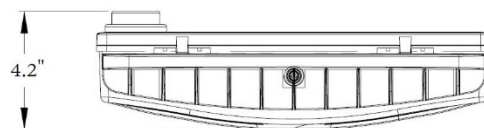
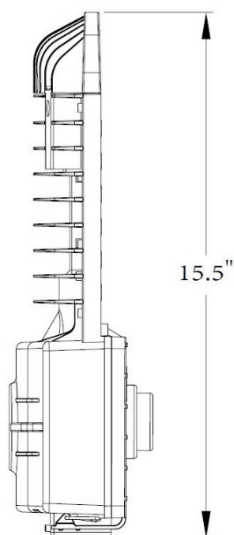
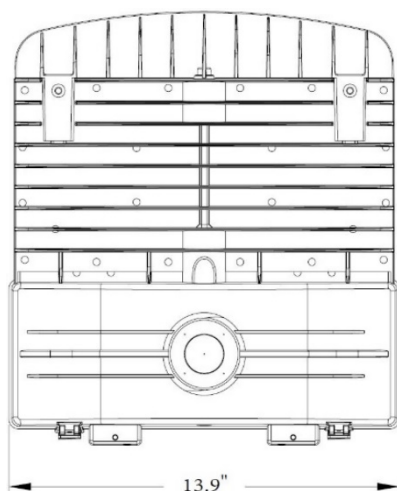
Replaces above 280W Metal Halide

Warranty:

ORE warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish.

ORDERING INFORMATION

Series	Optics	Watt	Mounting	Color Temp	Finish	Voltage	Options
LLD	T2 Type II	100 100W	UB	3K 3000K	BZ Bronze	UNV	PCT 120-277V
	T3 Type III	150 150W	Universal	4K 4000K	BK Black	120-277	Twist lock Photocell
	T4 Type IV	240 240W	SF	5K 5000K	GR Gray	480	PCT4 480V
	T5 Type V	300 300W	Slipfitter		WT White	480V	Twist lock Photocell
			TB				MMS Microwave
			Trunnion				Motion Sensor



Please visit orelighting.com
to see which products are
DLC Listed.

PERFORMANCE SUMMARY

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Part NO.	Distribution	Watts	Lumens	CCT	CRI	Volts	Replaces HID	BUG	DLC Premium
ORELLDT3100	Type III	100W	14,300	4000K	70+	100-277V		B2-U1-G2	✓
ORELLDT3100	Type III	100W	14,300	5000K	70+	100-277V		B2-U1-G2	✓
ORELLDT4100	Type IV	100W	14,100	4000K	70+	100-277V	up to	B2-U1-G2	✓
ORELLDT4100	Type IV	100W	14,100	5000K	70+	100-277V	320W	B2-U1-G2	✓
ORELLDT5100	Type V	100W	14,600	4000K	70+	100-277V		B4-U1-G2	✓
ORELLDT5100	Type V	100W	13,100	5000K	70+	100-277V		B2-U1-G2	✓
ORELLDT3150	Type III	150W	21,300	4000K	70+	100-277V		B2-U1-G2	✓
ORELLDT3150	Type III	150W	21,300	5000K	70+	100-277V		B2-U1-G2	✓
ORELLDT4150	Type IV	150W	21,500	4000K	70+	100-277V	up to	B2-U1-G3	✓
ORELLDT4150	Type IV	150W	21,500	5000K	70+	100-277V	430W	B2-U1-G3	✓
ORELLDT5150	Type V	150W	21,100	4000K	70+	100-277V		B4-U1-G2	✓
ORELLDT5150	Type V	150W	21,100	5000K	70+	100-277V		B4-U1-G2	✓
ORELLDT3240	Type III	240W	34,000	4000K	70+	100-277V		B3-U1-G4	✓
ORELLDT3240	Type III	240W	34,000	5000K	70+	100-277V		B3-U1-G4	✓
ORELLDT4240	Type IV	240W	34,000	4000K	70+	100-277V	up to	B3-U1-G4	✓
ORELLDT4240	Type IV	240W	34,000	5000K	70+	100-277V	800W	B3-U1-G4	✓
ORELLDT5240	Type V	240W	34,613	4000K	70+	100-277V		B5-U1-G4	✓
ORELLDT5240	Type V	240W	34,613	5000K	70+	100-277V		B5-U1-G4	✓
ORELLDT3300	Type III	300W	42,000	4000K	70+	100-277V		B3-U1-G4	✓
ORELLDT3300	Type III	300W	42,000	5000K	70+	100-277V		B3-U1-G4	✓
ORELLDT4300	Type IV	300W	42,300	4000K	70+	100-277V	up to	B3-U1-G4	✓
ORELLDT4300	Type IV	300W	42,300	5000K	70+	100-277V	1200W	B3-U1-G4	✓
ORELLDT5300	Type V	300W	41,391	4000K	70+	100-277V		B5-U1-G4	✓
ORELLDT5300	Type V	300W	41,391	5000K	70+	100-277V		B5-U1-G4	✓
ORELLDT3100	Type III	100W	14,300	4000K	70+	200-480V		B2-U1-G2	✓
ORELLDT3100	Type III	100W	14,300	5000K	70+	200-480V		B2-U1-G2	✓
ORELLDT4100	Type IV	100W	14,100	4000K	70+	200-480V	up to	B2-U1-G2	✓
ORELLDT4100	Type IV	100W	14,100	5000K	70+	200-480V	320W	B2-U1-G2	✓
ORELLDT5100	Type V	100W	14,600	4000K	70+	200-480V		B4-U1-G2	✓
ORELLDT5100	Type V	100W	13,100	5000K	70+	200-480V		B2-U1-G2	✓
ORELLDT3150	Type III	150W	21,300	4000K	70+	200-480V		B2-U1-G2	✓
ORELLDT3150	Type III	150W	21,300	5000K	70+	200-480V		B2-U1-G2	✓
ORELLDT4150	Type IV	150W	21,500	4000K	70+	200-480V	up to	B2-U1-G3	✓
ORELLDT4150	Type IV	150W	21,500	5000K	70+	200-480V	430W	B2-U1-G3	✓
ORELLDT5150	Type V	150W	21,100	4000K	70+	200-480V		B4-U1-G2	✓
ORELLDT5150	Type V	150W	21,100	5000K	70+	200-480V		B4-U1-G2	✓
ORELLDT3240	Type III	240W	34,000	4000K	70+	200-480V		B3-U1-G4	✓

ORELLDT3240	Type III	240W	34,000	5000K	70+	200-480V		B3-U1-G4	✓
ORELLDT4240	Type IV	240W	34,000	4000K	70+	200-480V	up to	B3-U1-G4	✓
ORELLDT4240	Type IV	240W	34,000	5000K	70+	200-480V	800W	B3-U1-G4	✓
ORELLDT5240	Type V	240W	34,613	4000K	70+	200-480V		B5-U1-G4	✓
ORELLDT5240	Type V	240W	34,613	5000K	70+	200-480V		B5-U1-G4	✓
ORELLDT3300	Type III	300W	42,000	4000K	70+	200-480V		B3-U1-G4	✓
ORELLDT3300	Type III	300W	42,000	5000K	70+	200-480V		B3-U1-G4	✓
ORELLDT4300	Type IV	300W	42,300	4000K	70+	200-480V	up to	B3-U1-G4	✓
ORELLDT4300	Type IV	300W	42,300	5000K	70+	200-480V	1200W	B3-U1-G4	✓
ORELLDT5300	Type V	300W	41,391	4000K	70+	200-480V		B5-U1-G4	✓
ORELLDT5300	Type V	300W	41,391	5000K	70+	200-480V		B5-U1-G4	✓




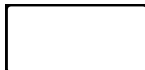
MOUNTING ACCESSORIES (Must be ordered with fixture)

ORELLDSF	Slipfitter Mount for LLD, 2 3/8"
ORELLDUB	Universal Mount for LLD, Fitting Square and Round Pole
ORELLDTB	Trunnion Mount for LLD

OPTIONS (Contact regional sales for details)

PCT	5, 7 Pin Photocell Control Receptacle – 100-277V
PCT4	5, 7 Pin Photocell Control Receptacle – 480V
MMS	Bi-level Microwave Sensor – BRI816-B-D

COLOR OPTIONS (Contact regional sales for details)

BZ – Bronze 	BK – Black 	GR – Gray 	WT -White 
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

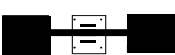
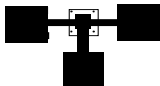
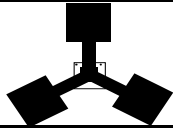
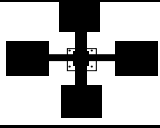
PERFORMANCE SUMMARY

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Fixture Configurations

LUMINAIRE EPA CHART						
Model						
LLD-100W	Single EPA: 0.8 Weight: 14.6 lbs	D90° EPA: 0.98 Weight: 28.2 lbs	D180° EPA: 1.5 Weight: 28.2 lbs	T90° EPA: 1.55 Weight: 41.8 lbs	TN90° EPA: 1.55 Weight: 41.8 lbs	Q90° EPA: 1.55 Weight: 55.4 lbs
LLD-150W	Single EPA: 1 Weight: 21.4 lbs	D90° EPA: 1.18 Weight: 41.8 lbs	D180° EPA: 1.78 Weight: 41.8 lbs	T90° EPA: 1.80 Weight: 62.2 lbs	TN90° EPA: 1.80 Weight: 62.2 lbs	Q90° EPA: 1.8 Weight: 81 lbs
LLD-240W	Single EPA: 1.2 Weight: 24 lbs	D90° EPA: 1.28 Weight: 47 lbs	D180° EPA: 1.9 Weight: 47 lbs	T90° EPA: 1.94 Weight: 70 lbs	TN90° EPA: 1.94 Weight: 70 lbs	Q90° EPA: 2.3 Weight: 94 lbs
LLD-300W	Single EPA: 1.3 Weight: 29.8 lbs	D90° EPA: 1.39 Weight: 58.6 lbs	D180° EPA: 2.0 Weight: 58.6 lbs	T90° EPA: 2.32 Weight: 89.4 lbs	TN90° EPA: 2.32 Weight: 89.4 lbs	Q90° EPA: 2.61 Weight: 117 lbs

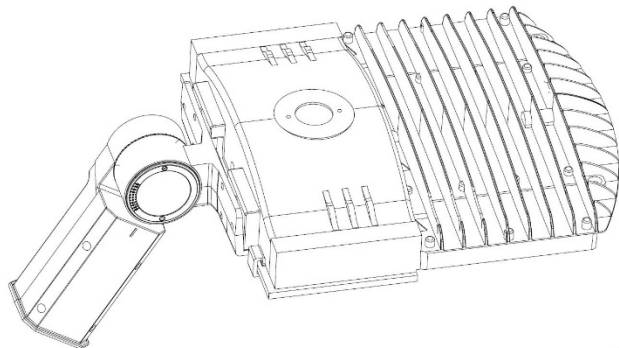


Figure 1. Slipfitter Mount

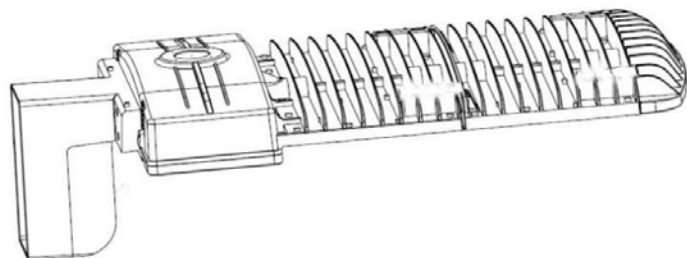


Figure 2. Universal Mount

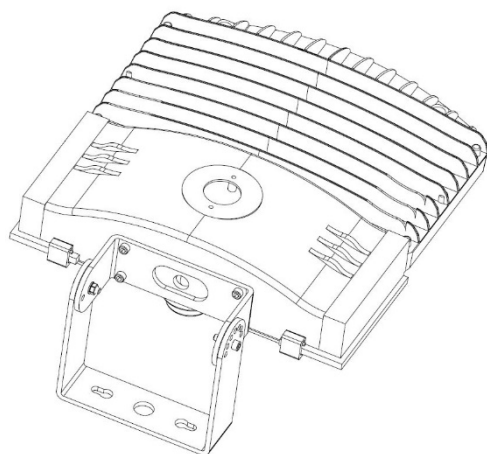
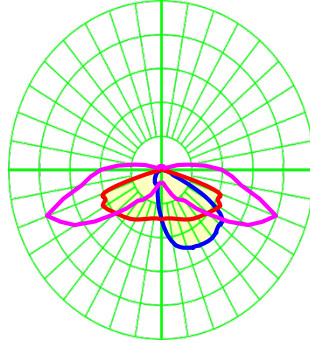


Figure 3. Trunnion Mount

PHOTOMETRICS

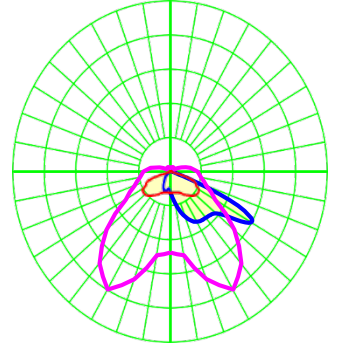
LLD 100W – MT – T3

ZONE	LUMENS	% Fixture
FORWARD LIGHT	10829	75.7
FL (0°-30°)	1875	13.1
FM (30°-60°)	5771	40.4
FH (60°-80°)	3137	21.9
FVH (80°-90°)	45	0.3
BACK LIGHT	2514	17.6
BL (0°-30°)	676	4.7
BM (30°-60°)	1289	9
BH (60°-80°)	534	3.7
BVH (80°-90°)	15	0.1
UP LIGHT	0	0
UL (90°-100°)	0	0
UH (100°-180°)	0	0



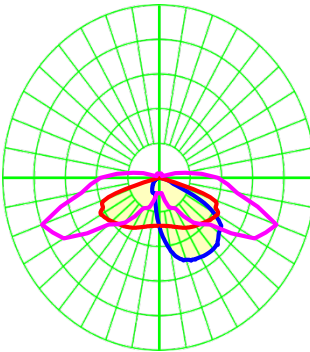
LLD 100W – MT – T4

ZONE	LUMENS	% Fixture
FORWARD LIGHT	10788	76.5
FL (0°-30°)	1315	9.3
FM (30°-60°)	5851	41.5
FH (60°-80°)	3581	25.4
FVH (80°-90°)	41	0.3
BACK LIGHT	2391	17
BL (0°-30°)	587	4.2
BM (30°-60°)	1258	8.9
BH (60°-80°)	527	3.7
BVH (80°-90°)	19	0.1
UP LIGHT	0	0
UL (90°-100°)	0	0
UH (100°-180°)	0	0



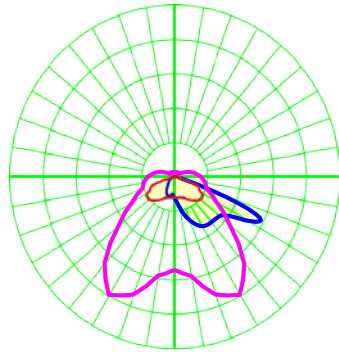
LLD 150W – MT – T3

ZONE	LUMENS	% Fixture
FORWARD LIGHT	16465	77.3
FL (0°-30°)	2817	13.2
FM (30°-60°)	8703	40.9
FH (60°-80°)	4853	22.8
FVH (80°-90°)	92	0.4
BACK LIGHT	3740	17.6
BL (0°-30°)	987	4.6
BM (30°-60°)	1921	9
BH (60°-80°)	803	3.8
BVH (80°-90°)	29	0.1
UP LIGHT	0	0
UL (90°-100°)	0	0
UH (100°-180°)	0	0



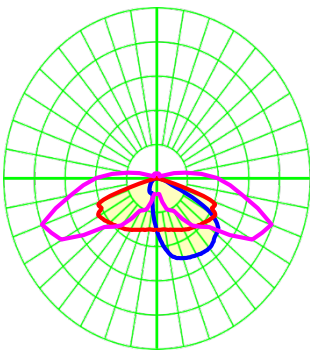
LLD 150W – MT – T4

ZONE	LUMENS	% Fixture
FORWARD LIGHT	16549	77
FL (0°-30°)	1960	9.1
FM (30°-60°)	8607	40
FH (60°-80°)	5893	27.4
FVH (80°-90°)	90	0.4
BACK LIGHT	3668	17.1
BL (0°-30°)	911	4.2
BM (30°-60°)	1938	9
BH (60°-80°)	791	3.7
BVH (80°-90°)	28	0.1
UP LIGHT	0	0
UL (90°-100°)	0	0
UH (100°-180°)	0	0



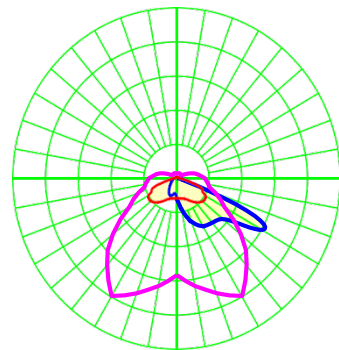
LLD 240W – MT – T3

ZONE	LUMENS	% Fixture
FORWARD LIGHT	26544	78.1
FL (0°-30°)	4621	13.6
FM (30°-60°)	14126	41.5
FH (60°-80°)	7660	22.5
FVH (80°-90°)	137	0.4
BACK LIGHT	6297	18.5
BL (0°-30°)	1713	5
BM (30°-60°)	3222	9.5
BH (60°-80°)	1310	3.9
BVH (80°-90°)	52	0.2
UP LIGHT	0	0
UL (90°-100°)	0	0
UH (100°-180°)	0	0



LLD 240W – MT – T4

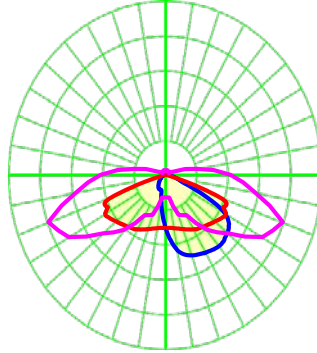
ZONE	LUMENS	% Fixture
FORWARD LIGHT	26286	77.3
FL (0°-30°)	3201	9.4
FM (30°-60°)	14387	42.3
FH (60°-80°)	8552	25.2
FVH (80°-90°)	147	0.4
BACK LIGHT	5956	17.5
BL (0°-30°)	1411	4.2
BM (30°-60°)	3206	9.4
BH (60°-80°)	1278	3.8
BVH (80°-90°)	60	0.2
UP LIGHT	0	0
UL (90°-100°)	0	0
UH (100°-180°)	0	0



PHOTOMETRICS

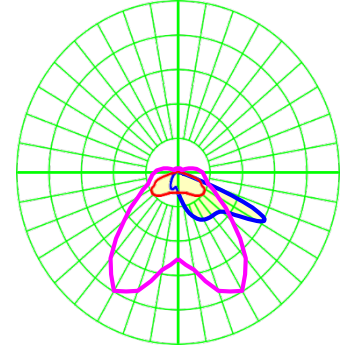
LLD 300W – MT – T3

ZONE	LUMENS	% Fixture
FORWARD LIGHT	32128	76.5
FL (0°-30°)	5537	13.2
FM (30°-60°)	17081	40.7
FH (60°-80°)	9272	22.1
FVH (80°-90°)	239	0.6
BACK LIGHT	7590	18.1
BL (0°-30°)	2085	5
BM (30°-60°)	3921	9.3
BH (60°-80°)	1520	3.6
BVH (80°-90°)	65	0.2
UP LIGHT	1	0
UL (90°-100°)	1	0
UH (100°-180°)	0	0



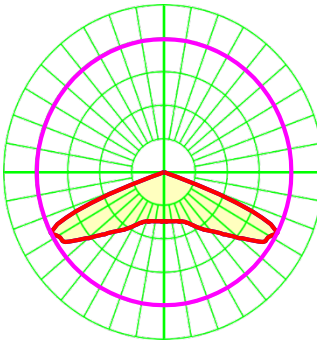
LLD 300W – MT – T4

ZONE	LUMENS	% Fixture
FORWARD LIGHT	33584	79.4
FL (0°-30°)	4018	9.5
FM (30°-60°)	17382	41.1
FH (60°-80°)	11931	28.2
FVH (80°-90°)	254	0.6
BACK LIGHT	7060	16.7
BL (0°-30°)	1719	4.1
BM (30°-60°)	3744	8.9
BH (60°-80°)	1526	3.6
BVH (80°-90°)	71	0.2
UP LIGHT	2	0
UL (90°-100°)	2	0
UH (100°-180°)	0	0



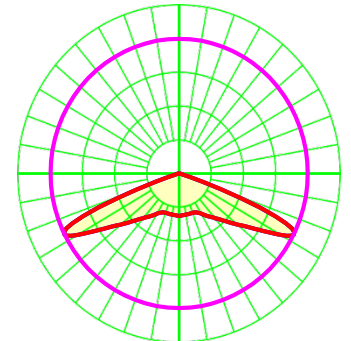
LLD 100W – MT – T5

ZONE	LUMENS	% Fixture
FORWARD LIGHT	6706	48.2
FL (0°-30°)	701	5
FM (30°-60°)	3415	24.6
FH (60°-80°)	2576	18.5
FVH (80°-90°)	15	0.1
BACK LIGHT	6489	46.7
BL (0°-30°)	699	5
BM (30°-60°)	3275	23.6
BH (60°-80°)	2503	18
BVH (80°-90°)	12	0.1
UP LIGHT	0	0
UL (90°-100°)	0	0
UH (100°-180°)	0	0



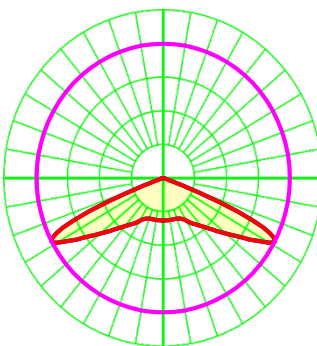
LLD 240W – MT – T5

ZONE	LUMENS	% Fixture
FORWARD LIGHT	15886	48.1
FL (0°-30°)	1909	5.8
FM (30°-60°)	7073	21.4
FH (60°-80°)	6879	20.8
FVH (80°-90°)	26	0.1
BACK LIGHT	15978	48.4
BL (0°-30°)	1898	5.8
BM (30°-60°)	6594	20
BH (60°-80°)	7446	22.6
BVH (80°-90°)	40	0.1
UP LIGHT	0	0
UL (90°-100°)	0	0
UH (100°-180°)	0	0



LLD 150W – MT – T5

ZONE	LUMENS	% Fixture
FORWARD LIGHT	9299	47
FL (0°-30°)	1007	5.1
FM (30°-60°)	5574	28.1
FH (60°-80°)	2710	13.7
FVH (80°-90°)	9	0
BACK LIGHT	9362	47.3
BL (0°-30°)	1006	5.1
BM (30°-60°)	5326	26.9
BH (60°-80°)	3018	15.2
BVH (80°-90°)	12	0.1
UP LIGHT	0	0
UL (90°-100°)	0	0
UH (100°-180°)	0	0



LLD 300W – MT – T5

ZONE	LUMENS	% Fixture
FORWARD LIGHT	18910	48.4
FL (0°-30°)	2115	5.3
FM (30°-60°)	10894	27.5
FH (60°-80°)	5874	14.8
FVH (80°-90°)	28	0.1
BACK LIGHT	19317	48.8
BL (0°-30°)	2094	5.3
BM (30°-60°)	10332	26.1
BH (60°-80°)	6850	17.3
BVH (80°-90°)	41	0.1
UP LIGHT	0	0
UL (90°-100°)	0	0
UH (100°-180°)	0	0

