

Product Comparison

LED Street light Fixture

Developed by---- LTF Committee
(Lighting Task Force)
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General Description	Beta "LEDway"	Philips Lumec "Roadstar"	Totus Solutions Inc. "LED"
Model Number	STR-LWY-2M-HT-03-C-UL-SV-R	40W49LED4KRC	LED-SL-33W-A-2
Manufacture	BETA	Philips Lighting Inc	TOTUS Inc
Wattage LED	37 watts (55 & 77 also in base unit)	40 watts	33 watts
Cost of Base Unit	\$345	\$448	\$595
History			
Number of years manufacturer in business	28	39	3
Number of years manufacturer fabricating LED fixtures	4	2.5	3
Number of years this model has been in production	3	1.5	3
Number of units in field	50,000+	13,000+	3,500+
Fabrication			
Housing fabrication -- manufacturer and location	United States	Eran-China	Texas
Driver fabrication -- manufacturer and location	Phillips In Illinois	Phillips - Mexico	China
LED fabrication -- location and manufacturer	Cree in North Carolina	Phillips - Malaysia	Japan
Mechanical			
Weight of fixture	10.5 lbs	20 lbs	13.3 lbs
Any special tools needed to install	No	No	No
Is lens cover impact rated for vandalism	Yes- acrylic Medium protection	Yes- acrylic protection	Yes- High Impact acrylic
Housing (material type)	Aluminum	Cast Aluminum	Aluminum
Hinges, screws, hardware (material type)	Stainless Steel	Stainless Steel	Stainless Steel
Type of seals	Silicone	Silicone	Silicone
Electrical			
Power Factor of unit	>90% at full load	99%	98%
Energy loss of driver/unit	> 85% efficient	87%	5%
Voltage supply range	multi range 120-277	multi range 120-277	multi range 85-300
Harmonic distortion	<20% at full load	<20% at full load	<10%
Surge protection	YES	Yes	Yes
Driver Type	Phillips	Phillips	Phillips and Elumen
LED (light Emitting Diode)			
Color Temperature of LED	6,000k +/- 500k	4,000 +/-	5,000k
Average K rating of light	6,000k +/- 500k	4,000 +/-	5,000k
LED rated life hours based on 25 dg C	107,000	70,000	100,000
CRI rating	min of 70	70	82
Photometric files available	Yes	Yes	Yes
Certification			
UL listed for Wet locations	Yes	Yes	Yes
ASTM B117-73 D2247-68 high salt spray test	Yes	Yes	Yes
ASTM D5894 Cyclic Salt Fog	No	No	No
Cal 611 Vibration Test	Yes	Yes	Yes
International Dark Sky's association approved	Yes	Yes	Note yet- but meets 0 deg angle
Surge protection IEEE C62 and ANSI 52.41.2 or equal	Yes	Yes	Yes
High Temperature and Humidity Cycling IEC 60068	Yes	Yes	Yes
Coating for Superior weather and Fade Resistance ASTB	Yes	Yes	Yes
"Next generation Luminaries" DOE accredited	Yes	Yes	Yes- 2009 winner
Other State approved for Roadway lighting	Yes	Yes	No
Florida DOT approved for Roadway lighting	No	No	No
Warranty			
Warranty in years--LED/Driver	5	5	5
Warranty in years-- Fixture housing	5	5	5
Warranty in years--Finish/coating	10	5	5
What is threshold of warranty classification	10% Leds out(3 led's)	5% Leds out(3 led's)	10%
What does warranty claim include	Material only- No labor	Material only- No labor	Material only- No labor
Do you offer extended warranty	No	Yes	No
No Cost Features			
Photo Cell Standard base	Yes	Yes	Yes
Leveling gauge/Bubble	Yes	No	No
Midnight/step Dimming	No	No	Yes
Field selectable Light output switch	Yes	No	No
Field adjustable for leveling (+/- 5%)	Yes	Yes	Yes
Adjustable "wing angles"	No	No	Yes
Surge Protection	Yes	Yes	Yes
Optional Cost adders			
Backlight preventer/shield on LED's	Yes	No	No
Midnight/step dimming	Yes	Yes	Yes- included in Base Cost
Adjustable Arm	Yes	Yes	Yes
Cost - Base Fixture			
Quantity (1-25)	\$345	\$448	\$595
Quantity (26-50)	\$322	\$429	\$595
Quantity (51-100)	\$306	\$410	\$595
Quantity (101-500)	\$295	\$391	\$545
Quantity (500+)	\$284	\$365	\$545
Cost - optional items			
Extended Warranty	NA	Negotiable	NA
Leveling Gauge	Included	\$22	NA
Midnight Dimming	NA	\$87	Yes- included in Base Cost
Backlight preventer/shield on LED's	\$7.50 adder per Fixture	NA	NA