



LED Procurement Checklist

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Why?



Have I got an LED light for you!

It will last 10 Gagillion hours!

It replaces X?

We're the "manufacturer",

And our warranty is 6 minutes,

And we don't have any references!



LED bulb

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Manufacturing Region

 [China \(mainland\)](#) (17000)

 [Hong Kong](#) (21)

 [Taiwan](#) (1261)

 [United States](#) (311)

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Main Export Markets

[Western Europe](#) (19986)

[North America](#) (19757)

[Eastern Europe](#) (19139)

[South America](#) (18302)

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Business Type

[Manufacturer](#) (20326)

[Trading Company](#) (6152)

[Distributor/Wholesaler](#) (2212)

[Agent](#) (1162)

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- [Street Lights](#) (192)
- [LED Lamps](#) (25)
- [Garden Lights](#) (3)

Manufacturing Region

-  [China \(mainland\)](#) (197)
-  [United Kingdom](#) (9)
-  [India](#) (6)
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Main Export Markets

- [Western Europe](#) (226)
- [North America](#) (219)
- [Eastern Europe](#) (214)
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Business Type

- [Manufacturer](#) (221)
- [Trading Company](#) (42)
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197 suppliers of LED Streetlights!

Product Image	Item Name-	Price
	CREE LED Light Bulb E27 Cree XLamp XRE 3X1 Watts Various Colors - 10pcs	<div>\$229.00</div> ... more info
	CREE LED Light Bulb GU10 Cree XLamp XRE 3 Watts Various Colors - 10pcs	<div>\$165.00</div> ... more info
	CREE LED Light Bulb MR16 Cree XLamp XRE 3 Watts Various Colors - 10pcs (Hot !)	<div>\$159.00</div> ... more info
	CREE LED Light Bulb MR16 Cree XLamp XRE 3X1 Watts Various Colors - 10pcs	<div>\$225.00</div> ... more info
	CREE® LED Light Bulb E14 Cree® XLamp® XRE 3 Watts Varous Colors - 10pcs	<div>\$165.00</div> ... more info
	CREE® LED Light Bulb E14 Cree® XLamp® XRE 3 Watts Varous Colors - 10pcs	<div>\$165.00</div> ... more info

Why?

- LED fixtures cost more (typically)
 - You expect them to last longer
 - Could vary greatly in CCT – from 2,700K up to 10,000K!
 - Output could be far lower than expected
 - Output could degrade very quickly
 - Color could shift dramatically
 - Safety
 - Your reputation!
 - Supply chain claims are often inaccurate
-

Yep! Sure wish I used
that checklist I saw at
the ENERGY STAR
conference!

You picked the wrong
LED product too, eh?



What is the maximum junction temperature (T_j) specification (at highest ambient temp)?

What is the operating temperature range specification?

Was it salt spray tested (for outdoor fixtures) in accordance with ASTM B117? For how long?

What is the lumen maintenance specification?

What LED is inside? Is it a brand name? Was it tested according to IESNA LM-80?

What is the luminaire life expectancy and warranty?

What is the ingress protection rating?

What is the power factor?

How much power does it consume in the off state?

Does it have a UL / CSA / applicable safety mark?

What is the CCT range? (ex. 3000K +/- 175K)

What is the chromaticity stability over time?

What are the tolerances on specifications?

Is it a Lead-free fixture / RoHS compliant?

Is the lumen specification for DELIVERED lumens out of the fixture?

Is the LPW specification for FIXTURE LPW (lumens / watt)?

Are IES files available?

Are references available?

Has it been tested in accordance with the IESNA LM-79 standard – absolute photometry?

The Palace Pier Project, Toronto, Canada



BEFORE
46,025 watts

AFTER
6,575 watts

Payback period <1 yr
10% funding secured

White Oaks



20W Halogen

6W LED



Halogen Lighting, 200W



LED Lighting, 55W



Halogen Lighting, 800W



LED Lighting, 220W



HPS - 125W



LED - 60W



HPS - 125W



LED - 60W



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LED Fixture Datasheet Checklist

Questions listed on this page are listed again on sub-sequent pages with explanations, allowing you to keep this page handy as a single page reference.

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Is the lumen specification for DELIVERED lumens out of the fixture?

Is the LPW specification for FIXTURE LPW (lumens / watt)?

Are IES files available?

How long has the company been in the LED business? Are you comfortable with them?

Has it been tested in accordance with the IESNA LM-79 standard – absolute photometry?

LED 101 'Lessons to Learn' Educational Webcasts

Thank you!

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