

**From:** [paul mastronardi](#)  
**To:** [Robert Brown](#)  
**Cc:** [Heide Mikkelsen](#); [Jamie Jr Mastro](#)  
**Subject:** Re: JEM Farms  
**Date:** Tuesday, December 3, 2019 5:07:22 PM

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Robert, the lights are agrolux ALF 1000. I will include the link to it fixture. I will be using the same lights I currently have. If you want to stop by and take a look. What do you mean external lighting? Below are the curtain specs. Let me know if you need any more info. Thanks

**Top Curtains.**

Obscura 10070 FR WB + BW Top screen (greenhouse and corridor)

Manufacturer: Ludvig Svensson

Shading level in direct light: ±99,9%

Shading level in diffused light: ±99,9%

Energy saving: 70%

Flame retardant: yes

Luxous 1147 FR Bottom screen (greenhouse)

Manufacturer: Ludvig Svensson

Shading level in direct light: 11%

Shading level in diffused light: 18%

Energy saving: 47%

Flame retardant: yes

**Side Wall**

Obscura 10070 R FR W

Manufacturer: Ludvig Svensson

Shading level in direct light: ±99,9%

Shading level in diffused light: ±99,9%

Energy saving: 70%

Flame retardant: yes

<https://www.agrolux.com/products-services/alf-1000/>

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**From:** Robert Brown <[rbrown@kingsville.ca](mailto:rbrown@kingsville.ca)>  
**Sent:** December 3, 2019 4:11 PM  
**To:** paul mastronardi <[paulmastronardi@msn.com](mailto:paulmastronardi@msn.com)>  
**Cc:** Heide Mikkelsen <[heide@peraltaengineering.com](mailto:heide@peraltaengineering.com)>  
**Subject:** RE: JEM Farms

Paul

Type and specs on grow lights and any new external lighting.

Type and specs on black out curtains and pulley system, wall and ceiling.



Robert Brown, H. Ba., MCIP, RPP  
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**From:** paul mastronardi <[paulmastronardi@msn.com](mailto:paulmastronardi@msn.com)>  
**Sent:** Tuesday, December 3, 2019 4:07 PM  
**To:** Robert Brown <[rbrown@kingsville.ca](mailto:rbrown@kingsville.ca)>  
**Cc:** Heide Mikkelsen <[heide@peraltaengineering.com](mailto:heide@peraltaengineering.com)>  
**Subject:** Re: JEM Farms

Robert, the expansion will have supplemental lighting. What information do you need? I had Shalin test our current range last week.

Paul Mastronardi

On Dec 3, 2019, at 3:57 PM, Robert Brown <[rbrown@kingsville.ca](mailto:rbrown@kingsville.ca)> wrote:

Heide

I've reviewed the plan that was dropped off. There are enough changes on the plan that an amendment is going to be necessary to bring this plan up-to-date versus the 2011 approval. Should be internal so as long as everything else is OK it should not require a lengthy review. Number one question on this will be are grow lights planned. If so I need a full lighting plan including how it will be dark sky compliant.

Robert Brown, H. Ba., MCIP, RPP  
Manager of Planning Services

<image001.jpg>

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