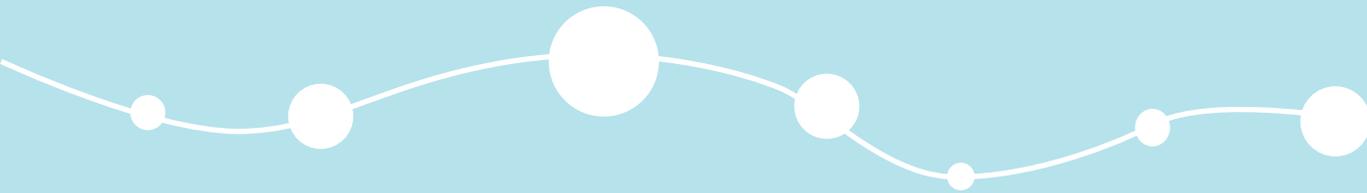


MAKING MEANING 2008

AUROLORA BOREALIS



ANNA ALRIKSSON

Aurora borealis--
Amazing northern lights!
You're a rolling, ribboned rainbow
Seen on northern nights.

Aurora borealis--
Floating, waving light!
Your softly shifting patterns
Slide from dim to bright.

Aurora borealis--
I wonder what you are?
You're as new as any rainbow,
As old as any star.

- LISA WHEELER, Childrens Autor

Aurora Borealis - Northern Light

During the project for this semester I will work with developing a lamp for home and outdoor environment based on the experience and quality of light.

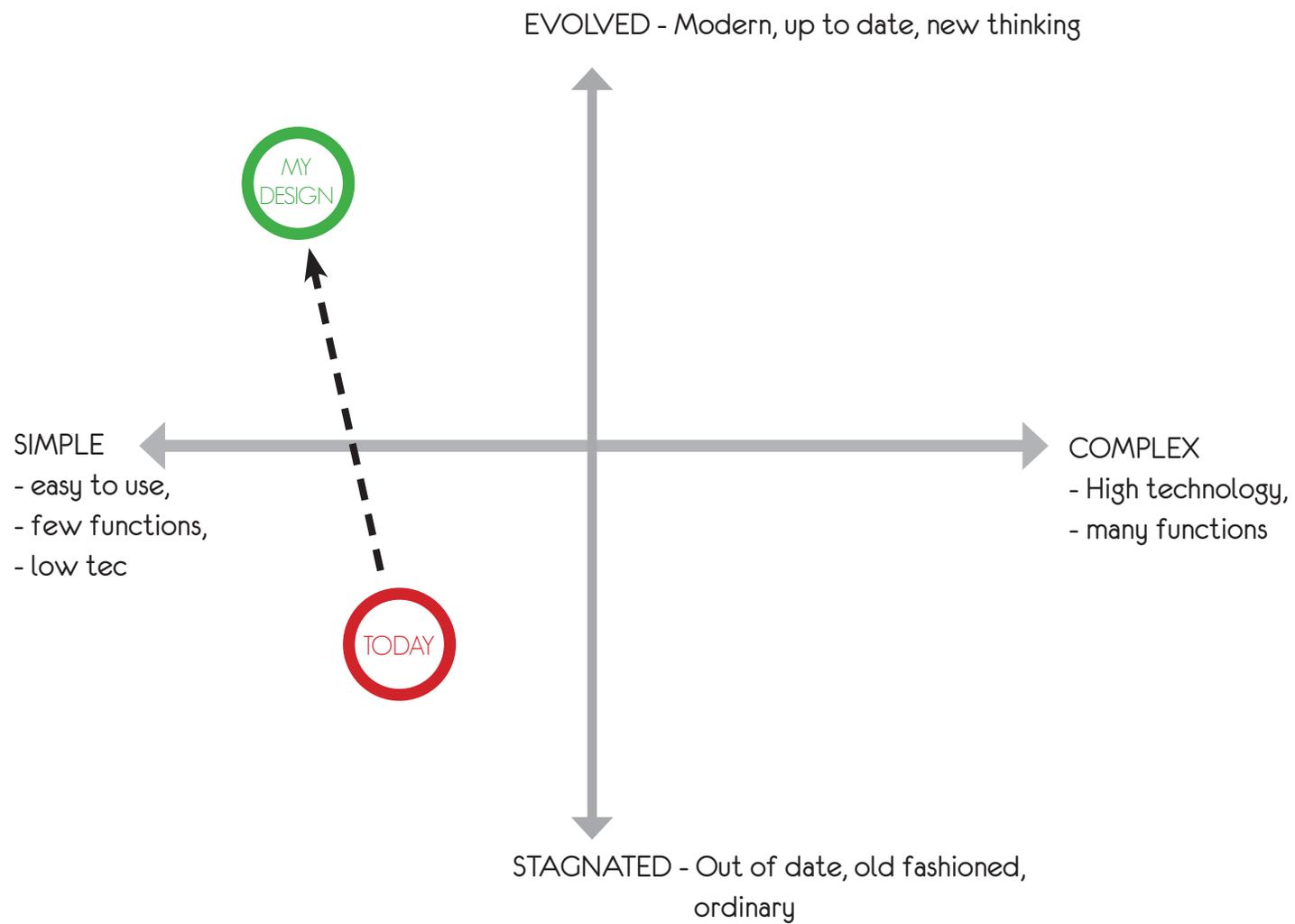
I have carried the thought about this project with me for a while. It all started when I during this summer stayed in my parent's summerhouse in Dalarna, Sweden. This house is one of my absolute favorite places, because it is so peaceful, located in the middle of the forest right by a lake. There is no electricity and no water pipes connected to the building. The only negative part with living in this house is the absence of light, in the evenings it tends to get quite dark indoors. I was starting to think about what an important part light is for our lifestyles and our daily duties.

The Absence of light is something that every Swedish person experiences during the long winters. My goal is to explore people's needs of light in different times and situations, and also to look into the experience of light as well as the function.

As a starting point I have chosen three users with different needs of light, the family, the extreme sporter and the backpacker.



POSITION BOARD



EXISTING LAMPS



Key words from users

- Drop proof
- Light weight
- Energy efficient
- Reliable



MOODBOARD

Harmony, Organic, Modern, Nature, Clean, Comfort, Safety, Light





The Family

This is the Jansson family. There is Robert who works as a engineer. His wife Linda who works as a school teacher. Togheter they have two children, Madeleine five years old and Isa three years old.

The Jansson family enjoys their social life and they like having people over for dinner. Apart from dinners with friends they also enjoy outdoor life and spending time in their cabin.

Linda who also likes cooking finds it difficult to prepare food in their cabin sometimes, "there is no electriscity connected to the house and having oillamps and candles with an open flame feels uncomfortilbe because I am afraid that while I am busy cooking my daughters will accidently tip one fo the lights over and burn themselves".





The Extreme sporter

This is Brad. He likes outdoor life and extreme sports more than anything. He spend most of this time hiking, paddling, mountaunclimbing. etc. When he´s not out on some adventure he works at a Web Design company in Boston.

One of Brads biggest issues when it comes to light is that sometimes the quality of light is very poor, specially if you are i the middle of nowhere and there is no other light than maybe the moonlight, then it is very important that you have a good portable lamp with you, something that you can rely on, something that does not give up on you and stop working all of a sudden.



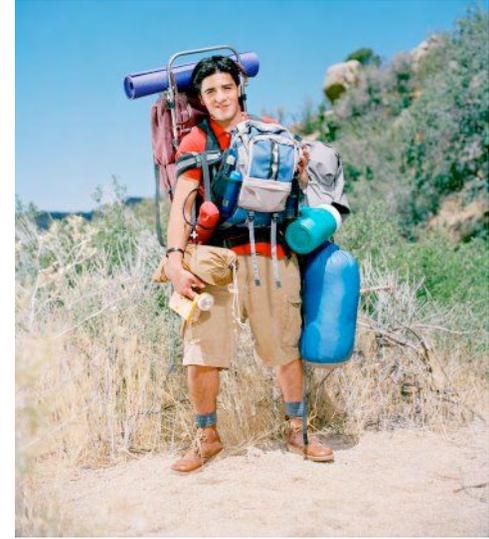


The Backpacker

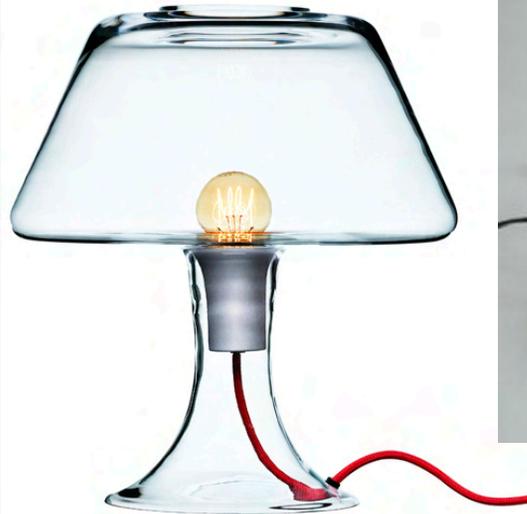
This is Caren. She loves travels. She has seen most places and been to every continent in the world. Last year she went on an around the world trip for ten month.

“ When it comes to packing its always difficult, you only have one backpack that you need to fit everything into, and everything you bring you will have to carry, so for me the most important thing is the weight of the things I’m planning on bringing and also the size of them”.



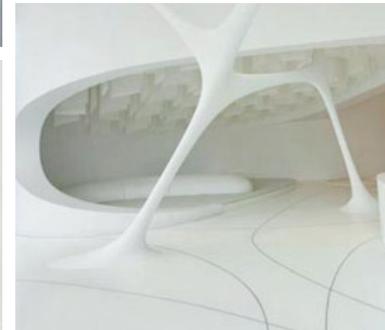


INSPIRATION LAMPS



FUTURE BOARD

multifunction, clean, simplicity, harmony, feeling of home



I made some light tests where I tried different types of light, to be able to get a picture of what type of light I want.

The results of my test may vary depending on the environment. I need to have in consideration that the white walls in the room I made the tests are becoming reflectors to the light source and the light appears to be brighter. In another environment, like outdoors the light would be absorbed by the atmosphere.





	Small round bulb E12 40W	Halogen bulb G4 12V 20W	1 LED red	EVEREADY America's original Flashlight
PREPARING FOOD, EATING	<p>This light felt cosy and I enjoyed having this light on as I was eating, the warm light made me feel comfortable.</p> <p>When it came to preparing food I experienced this light to be too soft and too warm.</p>	<p>The Halogen bulb gives off bright white light. This light is good as a working light but in a room with no other light source the light itself becomes too bright and it tends to hurt your eyes after a little while.</p> <p>Sharp shadows.</p>	<p>This test I made with only a single red LED light.</p> <p>It was very hard to work in this light. The red color of the light made me hardly see any contrasts, and everything tended to become black and white after a while.</p>	<p>The feeling of this light was good as a working light. Only though I had trouble making it stand so that I could use both hands, the light was too one-directional. I think this type of one-directional light is good if you are reading or say if you stay at a hostel and are trying to do something without annoying other people around you.</p>
SKETCHING	<p>The soft and warm light was OK to start with, but after a while your eyes started to feel tired and I felt as if it was hard to focus. For activities like sketching you need a more bright light.</p>	<p>This light was the best one to sketch in, it was the closest to daylight and made it easy to see details while I was working. As a working light the brightness didn't bother me as it did in the other test while I was eating, as long as the light source wasn't turned towards me.</p>	<p>Same as above.</p>	<p>The light itself was good for sketching even though some of the shadows got sharper depending on how I was holding the lamp. The hardest part was to actually hold the lamp while I was sketching, because that was the only way to make the light get in the right direction.</p>

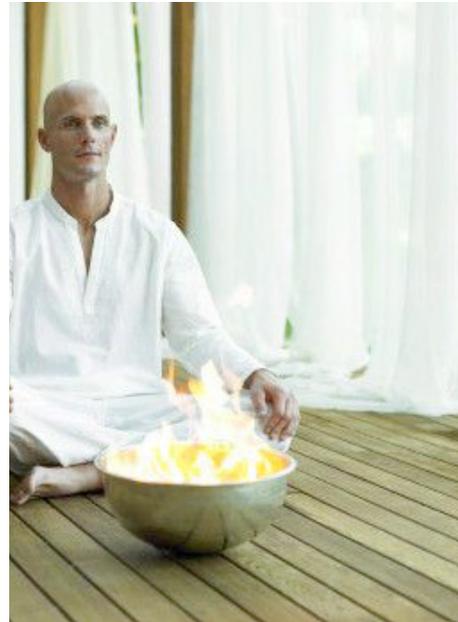
MOODBOARD light

harmony, comfort, togetherness, relaxation, soft, fire, sky, white, social, warming



MOODBOARD light

harmony, comfort, togetherness, relaxation, soft, fire, sky, white, social, warming





Weight: 0.3 oz (8 g)
Battery Life: 12 hrs High, 20 hrs Low, 50 hrs
Flash
US\$10.00

Black Crater Introduces the Cord Lock Light
Weighing in at 0.3 ounces (8 grams), this product functions as both a cord lock and a light. The cord lock light has three modes (high, low, and flash) and runs on two lithium CR1220 batteries.

This lamp I can see being handy for backpackers, since it has another function apart from being just a light. It allows the user easy access since it sits on top of your backpack or sleeping bag and it would be hard to lose it even though it's small. I am not sure about the quality of the light on the other hand, the size of the gadget is so small that it can't fit enough LED lights for the light to become acceptable for working situations.



Batteries: Four AAA
Weight: 2.9 oz (84 g) without batteries,
4.4 oz (126 g) with batteries
US\$29.95

Black Diamond Lantern. Weighing in at 2.9 ounces (84 grams) and 4.4 ounces (126 grams) with batteries. I found this lamp when I was doing research at Eastern Mountain Sports. I like it how this lantern slides together so it takes up less space in your backpack. Unfortunately I have not been able to try experience the brightness of the light, but what I have read in reviews on internet the LED light is quite bright.

QUESTION

Hi!

I am working on developing a light for outdoor life such as hiking, camping, backpacking etc. I am hoping that some of you might be able to give me some thoughts about your own experience with camping lamps and light in general.

Do you have any specific scenario around lamps and light that you remember from your trips? What do you mostly use light for?

What is the most important factor when you buy a new lamp, light quality, lightweight, energy efficient, other?

Is there any functions that you find important, or that you feel are missing on camping lamps that is out on the market today?

I hope you can help me out.

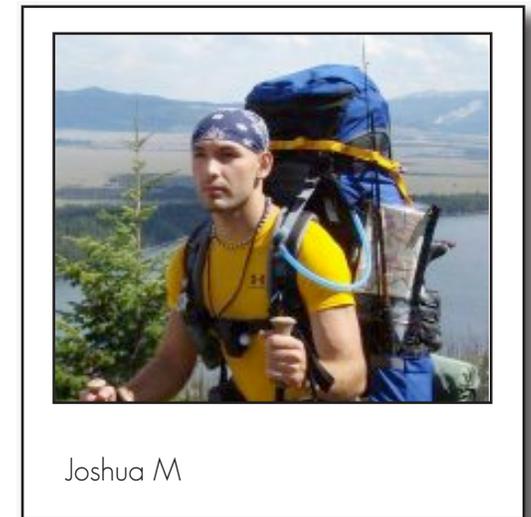
Thank you for your help.

- Anna

ANSWER

October 2 at 3:52am

Report MessageHey, i saw your post and can tell you what i think the worlds best light would be, for what it's worth. Check out this light: (<http://en.petzl.com/ultra/ultra-concept.html>), if you can use this light as a rough template. The 350 lumens is the best i've seen, and you have to make it run off normal batteries, this is a must, a specialised rechargeable battery makes so backpackers, caving, ect... people can't use it. To compensate for the higher power demands, just market it for use with Lithium AA's (double A's). I love the turn style light level selection dial. Get rid of everything else but the light unit its self. Add a retractable cord for the headlamp option like the zipka plus (<http://en.petzl.com/petzl/LampesProduits?Produit=464>). Add a pivoting base plate on it, so you can angle the light down. And finally between the base plate and the light, add in a telescoping shaft that will expand out of the head-light casing its self that can then twist to lock out (You'll have to use some strong light-weight material



Joshua M

for this). You'll get to use it both as a head lamp with no messy cords, and a regular hand held flashlight.

Kinda crazy i know, but I do a ton of backpacking, climbing, night biking, and a little caving, ect..., and in a perfect world, that's what i would want.

Ok, well hope it helps, good luck

SOLAR BACKPACK

One solar panel 120g, three 360g

This backpack I found on my research at Parragon sports by Union Square. The backpack is provided with three solarpanels that is connected to a battery pack inside the backpack that enables the user to charge devices such as cell-phones, computers and mp3 players.

Battery Pack:

Output Voltage 3.5V 5V 7.2V

Output Capacity 4400mAh 2800mAh 2200mAh

Output Current 2A 2A 3A

Common Specifications:

Input Power Min. 10V ~ Max. 15V / 1A

Charge Current Max. 700mA

Charge Time AC / DC charges 3 hours 30 minutes,
solar 8-10 hours





Organic expression, interesting shadows



A bit too static



Architectural



Looks like flower



Creates nice shadows



Light does not reach far



acossiates to a block of ice



Asymetric



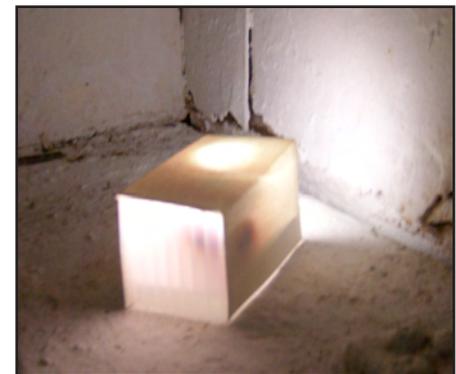
Asymetric



Architectual



Architecual



Symetric