



CERT
CLEAN ENERGY RESOURCE TEAMS

Key Qhia Lub Teeb Thwj Rau Key Siv Teeb

Nws muaj cov qhov Muag teeb zoo rau txhua qhov thiab cov hoob, rau txhua qhov pom kev, thiab rau txhua qhov xim! Siv daim ntawv qhia los kawm txog qhov muag teeb, thiab siv peb diam ntawv qhia kom ntshiav tau lub yog.

THEEM 1

Xav Seb Koj Yuav Siv Teeb Npaum Li Cas

Xav Rau Qhov Ci Ci. Nyob tsaws li qhov si yuav si teeb ntau los tsawg. Tsis txhob xav txog lub teeb tiamsi xav txog tias yuav siv fais ntau npaum li cas, xa txog cov them tias uas yuav ci npaum li cas.

Lumen yog qhov nruas seb ci siab npaum ca. Cov lumen qhov muag teeb pom ci dua.

Watt (W) yog ntsuas siv cov zog npaum li cas. Siv qhov muag teeb qis txo tau daim nqi fais fab qis.

Yog hais tias koj nyiam koj cov qhov muag teeb ci, siv LED nrog yam zoo li lumens los txo koj kev siv cov fais. Koj yeej xav tau ib lub qhov muag teeb pom tsis tseeb txuag tau nyiaj

Nco: Lumen qhov siv nyob rau cov thawv tej zaum yuav txawv teeb cig li ntawm 800 rau 860 lumens ci ib yam qhov li qhov deb.



Qhov Ci	Incandescent	CFL	LE
450 lumens	40W	9-13W	4-8W
800 lumens	60W	13-16W	8-13W
1100 lumens	75W	17-23W	11-15W
1600 lumens	100W	23-28W	16-20W

← Zoo Me Me
→ Zoo Heev

THEEM 2

Xaiv Xim Teeb Koj Nyiam

Xaiv Seb Ci Npaum Li Cas.

Koj yuav txaus siab rau koj lub teeb tshiab los ntawm qhov koj xaiv ci ci uas koj nyiam. Tagnrho cov xim no muaj rau LEDs, thiab qhov ua cig pom kev siab tshaj.

Nco: Xaiv sov lossis dawb mos mos (2700-3000 K) los haum qhov xim thiab teeb thas mas das.

Txawv Xim, Ci Zoo Ib Yam



Dawb Mog, Dawb Sov
Hoob Nyob,
Hoob Pw










Ci Dawb, Laj Laj Dawb
Chaw Ua Noj, Tsev Viv,
Chaw Noj Mov



Ib Txawm, Ntsuab Hnub
Hoob Kas, Chaw Ntxhua,
Chaw Kho Khoom, Nkas las



Muab Qhov Muag Teeb Los Sib Piv. Koj xav txog yam khoom no tau, hloov, thiab nkim nqi fais dhau 20 xyoo rau ntau yam qhov muag teeb. Ua cas 20 xyoo? Vim tias LEDs kav tau ntev ntev. Ntau qhov muag teeb thaum ib tsis muaj lawm, thiab CFLs los cia li tsis muaj nqis lawm. Hauv qab yuav qhia yam zoo thiab tsis zoo yuav pab koj lub zoo rau koj, thiab qhov Right Light App nyob rau hauv qab.

Tus Nqi Dhau 20 Xyoo	Bulb(s)	Fais	Zoo (+) thiab Tsis Zoo (-)
LED	 1 qhov muag teeb rau 20 xyoo	 \$35 tagnrho tus nqi	+ Tseg tau 85% nqi fais zoo tshaj teeb thas maj das + Kav 25 zaug ntev dua li cov teeb thas maj das + Zoo heev rau qhov tsaus, sov, lossis yeej kho tau + Ua tau zoo heev rau caij ntau no - Lub pob teeb kim zog
CFL	 3 qhov muag teeb rau 20 xyoo	 \$54 tagnrho tus nqi	+ Tseg tau 75% nqi fais zoo tshaj teeb thas maj das + Kav 10 ntev dua li cov teeb thas maj das - Sov & kho tau kom lub qhov muag teeb kav ntev - Ua tau tsis zoo nyob rau thaum no lawm - Muaj hlau nrug (yuav tau siv dua)
Teeb Thas Maj Das	  22 pob teeb rau 20 xyoo	 \$284 tagnrho tus nqi	

Nco: Cov nqe siv piv yog nyob ntawm 20-xyoo thiab nruag seb siv fais npaum li cas, siv pes tsawg ib hnuv no, fais fab siv li cas hauv tsev, pob teeb npaum cas, thiab hloov npaum cas. Xav paub tias lawv khoob qhuab li ca thiab qhov zoo/tsky zoo, mus saib <http://Lighting.MnCERTs.org>.

Yuav Cov Teeb Uas Zoo Tshaj. Qhov ntawv Tseeb muab lo rau ntawm lub teeb qhia meej tias pom tseeb thiab meej npaum li cas. Qhov lo nws kuj muaj qhov ENERGY STAR® lub cim tias lub teeb zoo npaum li qhov hais qhov uas zoo tshaj, ua tau haujlwm, thiab ua tau ntau yam.

Qhov Ci	800 lumens
Kwv Yees Ib Xyoo Fais \$1.14	
Lis 3 xoo moos/ib/ nub, 11¢/kWh Tug nqe nyob ntawm siv	
Txujsa	
Tsaws li 3 xoo moos/hnub 22.8 xyoo	
Pom Teeb Ci	
Sov	Laj Laj
2700 K	
Fais Siv Tag	9.5 watts



Ntshiav Pob Teeb & Tau Nqi Tso Qab

Muaj ntaub ntawv rau qhov ntawd! Qhov Right Light App yuav pab koj xaiv qhov fais kom yog qhov muag teeb LED rau koj, los ntawm cov teeb thiab ntau yam xim thiab qhov ci uas xav tau! Nkag tau qhov app los ntawm txhua lub cav nyob rightlightapp.org.



Kom tau nqi fais tso qab. Hu koj qhov chaw fais kawm txog uas cas tau nyiaj nqi teeb.