

## Splošne varnostne informacije in navodila za namestitev Labcraft

**POMEMBNO:** – Pred nameščanjem luči Labcraft ali druge povezane opreme preberite navodila v celoti. Navodila za izdelke, za katere so potrebne podrobnejše informacije o nameščanju, lahko najdete na naslovu [www.labcraft.co.uk/installation-instructions/](http://www.labcraft.co.uk/installation-instructions/).

### Razpon vhodne napetosti:

Izdelki, ki delujejo z različnimi napetostmi, so v številki dela označeni z »MV« in delujejo v razponu od 10 V do 32 V enosmerne napetosti

Izdelki za 12 V delujejo v razponu od 10 V do 15 V enosmerne napetosti **ALI** (10 V do 14 V enosmerne napetosti za ponudbo izdelkov Orizon, Flux, Apollo, PD3CW, PD4CW, Nebula, Steplite, Astro in SI9).

Izdelki za 24 V delujejo v razponu od 20 V do 30 V enosmerne napetosti **ALI** 20 V do 28 V enosmerne napetosti za ponudbo izdelkov Orizon, Flux, Apollo, PD3CW, PD4CW, Nebula, Steplite Astro in SI9).

### Pred začetkom namestitve odklopite električno napajanje

#### **OPOZORILO! NE PRIKLAPLJAJTE V STENSKO ELEKTRIČNO VTIČNICO**

#### Električne povezave:

RDEČI kabel: + pozitivno vodilo za enosmerno napetost

Priklopite na napajalnik za enosmerno napetost z varovalko. Jakost varovalke mora biti primerna za luč, ki jo nameščate. Seznam priporočenih jakosti varovalk najdete na naslednji strani.

ČRNI kabel: – negativna ozemljitev za enosmerno napetost

Priklopite na ozemljitveni priključek na ohišju.

#### **OPOZORILO! Pri električni povezavi luči morate za vsako luč posebej uporabiti električno napajanje z varovalko – glejte seznam za jakosti varovalk.**

Dovajana napetost ne sme presegati najvišje nazivne napetosti luči, delovno napajalno napetost lahko najdete na oznaki izdelka ali podatkovnem listu izdelka na naslovu [www.labcraft.co.uk](http://www.labcraft.co.uk) ali pa se obrnite na naš oddelek za pomoč strankam na telefonski številki +44 (0) 1799 513434.

Uporabiti morate kabel ustreznega premera, s čimer zagotovite dovajanje ustrezne napetosti za luč. Napetost morate izmeriti pri luči, ko je luč vklopljena. Na padec napetosti vplivajo porabniki na kablu, premer kabla in dolžina kabla.

Poškodovane izdelke morate prenehati uporabljati.

#### **POZOR! NE GLEJTE NARAVNOST V VIRE SVETLOBE LED**

Za luči Labcraft LED je bila izvedena ocena fotobiološke (modra svetloba) nevarnosti. Glavna standarda, ki sta uporabljena pri prepoznavanju in določanju stopnje teh nevarnosti, sta IEC/EN 62471-1 in PD-IEC/TR 62778. Če je prisotna morebitna nevarnost, bo luč ustrezno označena z naslednjim besedilom:

*»Svetilo mora biti nameščeno tako, da dolgotrajno strmenje v svetilo pri razdalji, manjši od x m, ni pričakovano«.*

## PRIPOROČENE JAKOSTI VAROVALK

Na naslednjem seznamu so priporočene jakosti varovalk, ki jih morate namestiti pri povezavi do posamezne luči. Vedno uporabljajte hitre taljive varovalke. Če iskanega izdelka ni na seznamu, se obrnite na ekipo za pomoč strankam Labcraft na telefonski številki +44 (0) 1799 513434 ali na e-poštnem naslovu [sales@labcraft.co.uk](mailto:sales@labcraft.co.uk).

|           | LEDs         | JAKOST VAROVALKE PRI 12 V<br>NAPETOSTI | JAKOST VAROVALKE PRI 24 V<br>NAPETOSTI |
|-----------|--------------|--|--|
| BM2_4-2MV | 4            | 2 Amp @ 12V                            | 1 Amp @ 24V                            |
| BM3_4-2MV | 4            | 2 Amp @ 12V                            | 1 Amp @ 24V                            |
| BM4_2-3MV | 2            | 2 Amp @ 12V                            | 1 Amp @ 24V                            |
| BM6_2-3MV | 2            | 2 Amp @ 12V                            | 1 Amp @ 24V                            |
| CT3_2-3   | 2            | 2 Amp @ 12V                            | 1 Amp @ 24V                            |
| DXLED_12  | 12           | 1 Amp @ 12V                            | 1 Amp @ 24V                            |
| DXLED_24  | 24           | 2 Amp @ 12V                            | 1 Amp @ 24V                            |
| DXLED_36  | 36           | 2 Amp @ 12V                            | 1 Amp @ 24V                            |
| EM1CW125  | 6            | 1 Amp @ 12V                            | 1 Amp @ 24V                            |
| EM1CW125  | 12           | 1 Amp @ 12V                            | 1 Amp @ 24V                            |
| EM1CW250  | 12           | 1 Amp @ 12V                            | 1 Amp @ 24V                            |
| EM1CW250  | 24           | 2 Amp @ 12V                            | 1 Amp @ 24V                            |
| EM1CW500  | 24           | 2 Amp @ 12V                            | 1 Amp @ 24V                            |
| EM1CW500  | 48           | 3 Amp @ 12V                            | 2 Amp @ 24V                            |
| EM1CW750  | 36           | 2 Amp @ 12V                            | 1 Amp @ 24V                            |
| EM1CW750  | 72           | 3 Amp @ 12V                            | 2 Amp @ 24V                            |
| EM1CW1000 | 48           | 3 Amp @ 12V                            | 2 Amp @ 24V                            |
| EM1CW1000 | 96           | 5 Amp @ 12V                            | 3 Amp @ 24V                            |
| EM1CW1250 | 60           | 4 Amp @ 12V                            | 2 Amp @ 24V                            |
| EM1CW1250 | 120          | 6 Amp @ 12V                            | 3 Amp @ 24V                            |
| EM1CW2500 | 120          | 6 Amp @ 12V                            | 3 Amp @ 24V                            |
| EM1CW2500 | 240          | 15 Amp @ 12V                           | 7.5 Amp @ 24V                          |
| F250      | 24           | 2 Amp @ 12V                            | 1 Amp @ 24V                            |
| F250      | 48           | 3 Amp @ 12V                            | 2 Amp @ 24V                            |
| F500      | 48           | 3 Amp @ 12V                            | 2 Amp @ 24V                            |
| F500      | 96           | 5 Amp @ 12V                            | 3 Amp @ 24V                            |
| KLLED_12  | 12           | 1 Amp @ 12V                            | 1 Amp @ 24V                            |
| KLLED_24  | 24           | 2 Amp @ 12V                            | 1 Amp @ 24V                            |
| KLLED_36  | 36           | 2 Amp @ 12V                            | 1 Amp @ 24V                            |
| LD101     | 1            | 1 Amp @ 12V                            | 1 Amp @ 24V                            |
| LD102     | All variants | 1 Amp @ 12V                            | 1 Amp @ 24V                            |
| LEDCW125  | 6            | 1 Amp @ 12V                            | 1 Amp @ 24V                            |
| LEDCW125  | 12           | 1 Amp @ 12V                            | 1 Amp @ 24V                            |
| LEDCW250  | 12           | 1 Amp @ 12V                            | 1 Amp @ 24V                            |
| LEDCW250  | 24           | 2 Amp @ 12V                            | 1 Amp @ 24V                            |
| LEDCW500  | 24           | 2 Amp @ 12V                            | 1 Amp @ 24V                            |
| LEDCW500  | 48           | 3 Amp @ 12V                            | 2 Amp @ 24V                            |

|              | <b>LEDs</b> | <b>JAKOST VAROVALKE PRI 12 V<br/>NAPETOSTI</b> | <b>JAKOST VAROVALKE PRI 24 V<br/>NAPETOSTI</b> |
|--------------|-------------|--|--|
| LEDCW750     | 36          | 2 Amp @ 12V                                    | 1 Amp @ 24V                                    |
| LEDCW750     | 72          | 3 Amp @ 12V                                    | 2 Amp @ 24V                                    |
| LEDCW1000    | 48          | 3 Amp @ 12V                                    | 2 Amp @ 24V                                    |
| LEDCW1000    | 96          | 5 Amp @ 12V                                    | 3 Amp @ 24V                                    |
| LEDCW1250    | 60          | 4 Amp @ 12V                                    | 2 Amp @ 24V                                    |
| LEDCW1250    | 120         | 6 Amp @ 12V                                    | 3 Amp @ 24V                                    |
| LEDCW2500    | 120         | 6 Amp @ 12V                                    | 3 Amp @ 24V                                    |
| LEDCW2500    | 240         | 15 Amp @ 12V                                   | 7.5 Amp @ 24V                                  |
|              |             |  |  |
| LEDINCW125   | 6           | 1 Amp @ 12V                                    | 1 Amp @ 24V                                    |
| LEDINCW125   | 12          | 1 Amp @ 12V                                    | 1 Amp @ 24V                                    |
| LEDINCW250   | 12          | 1 Amp @ 12V                                    | 1 Amp @ 24V                                    |
| LEDINCW250   | 24          | 2 Amp @ 12V                                    | 1 Amp @ 24V                                    |
| LEDINCW500   | 24          | 2 Amp @ 12V                                    | 1 Amp @ 24V                                    |
| LEDINCW500   | 48          | 3 Amp @ 12V                                    | 2 Amp @ 24V                                    |
| LEDINCW750   | 36          | 2 Amp @ 12V                                    | 1 Amp @ 24V                                    |
| LEDINCW750   | 72          | 3 Amp @ 12V                                    | 2 Amp @ 24V                                    |
| LEDINCW1000  | 48          | 3 Amp @ 12V                                    | 2 Amp @ 24V                                    |
| LEDINCW1000  | 96          | 5 Amp @ 12V                                    | 3 Amp @ 24V                                    |
| LEDINCW1250  | 60          | 4 Amp @ 12V                                    | 2 Amp @ 24V                                    |
| LEDINCW1250  | 120         | 6 Amp @ 12V                                    | 3 Amp @ 24V                                    |
| LEDINCW2500  | 120         | 6 Amp @ 12V                                    | 3 Amp @ 24V                                    |
| LEDINCW2500  | 240         | 15 Amp @ 12V                                   | 7.5 Amp @ 24V                                  |
|              |             |  |  |
| LL2CW125     | 6           | 1 Amp @ 12V                                    | 1 Amp @ 24V                                    |
| LL2CW125     | 12          | 1 Amp @ 12V                                    | 1 Amp @ 24V                                    |
| LL2CW250     | 12          | 1 Amp @ 12V                                    | 1 Amp @ 24V                                    |
| LL2CW250     | 24          | 2 Amp @ 12V                                    | 1 Amp @ 24V                                    |
| LL2CW500     | 24          | 2 Amp @ 12V                                    | 1 Amp @ 24V                                    |
| LL2CW500     | 48          | 3 Amp @ 12V                                    | 2 Amp @ 24V                                    |
| LL2CW750     | 36          | 2 Amp @ 12V                                    | 1 Amp @ 24V                                    |
| LL2CW750     | 72          | 3 Amp @ 12V                                    | 2 Amp @ 24V                                    |
| LL2CW1000    | 48          | 3 Amp @ 12V                                    | 2 Amp @ 24V                                    |
| LL2CW1000    | 96          | 5 Amp @ 12V                                    | 3 Amp @ 24V                                    |
| LL2CW1250    | 60          | 4 Amp @ 12V                                    | 2 Amp @ 24V                                    |
| LL2CW1250    | 120         | 6 Amp @ 12V                                    | 3 Amp @ 24V                                    |
| LL2CW2500    | 120         | 6 Amp @ 12V                                    | 3 Amp @ 24V                                    |
| LL2CW2500    | 240         | 15 Amp @ 12V                                   | 7.5 Amp @ 24V                                  |
|              |             |  |  |
| ML2271       | 6           | 1 Amp @ 12V                                    | 1 Amp @ 24V                                    |
|              |             |  |  |
| MX3          | 12          | 1 Amp @ 12V                                    | 1 Amp @ 24V                                    |
| MX3          | 24          | 2 Amp @ 12V                                    | 1 Amp @ 24V                                    |
|              |             |  |  |
| PD1_4-1 EPIR | 4           | 2 Amp @ 12V                                    | 1 Amp @ 24V                                    |
| PD1_4-1 EMV  | 4           | 2 Amp @ 12V                                    | 1 Amp @ 24V                                    |
| PD1_4-1MV    | 4           | 2 Amp @ 12V                                    | 1 Amp @ 24V                                    |
| PD1_4-3MV    | 4           | 3 Amp @ 12V                                    | 2 Amp @ 24V                                    |
| PD1CW12      | 4           | 1 Amp @ 12V                                    | 1 Amp @ 24V                                    |
|              |             |  |  |
| PD2_4-1 EPIR | 4           | 2 Amp @ 12V                                    | 1 Amp @ 24V                                    |

|                 | <b>LEDs</b> | <b>JAKOST VAROVALKE PRI 12 V<br/>NAPETOSTI</b> | <b>JAKOST VAROVALKE PRI 24 V<br/>NAPETOSTI</b> |
|-----------------|-------------|--|--|
| PD2_4-1 EPIRMAS | 4           | 2 Amp @ 12V                                    | 1 Amp @ 24V                                    |
| PD2_4-1 EMV     | 4           | 2 Amp @ 12V                                    | 1 Amp @ 24V                                    |
| PD2_4-1MV       | 4           | 2 Amp @ 12V                                    | 1 Amp @ 24V                                    |
| PD2_4-3MV       | 4           | 3 Amp @ 12V                                    | 2 Amp @ 24V                                    |
|                 |             |  |  |
| PD3_4-1MV       | 4           | 2 Amp @ 12V                                    | 1 Amp @ 24V                                    |
| PD3_4-1MVPIR    | 4           | 2 Amp @ 12V                                    | 1 Amp @ 24V                                    |
| PD3_4-3MV       | 4           | 3 Amp @ 12V                                    | 2 Amp @ 24V                                    |
| PD3_4-3MVPIR    | 4           | 3 Amp @ 12V                                    | 2 Amp @ 24V                                    |
|                 |             |  |  |
| PD3CW12         | 12          | 1 Amp @ 12V                                    | 1 Amp @ 24V                                    |
| PD3CW24         | 24          | 2 Amp @ 12V                                    | 1 Amp @ 24V                                    |
| PD3CW36         | 36          | 2 Amp @ 12V                                    | 1 Amp @ 24V                                    |
| PD3CW48         | 48          | 3 Amp @ 12V                                    | 2 Amp @ 24V                                    |
|                 |             |  |  |
| PD4_4-1MV       | 4           | 2 Amp @ 12V                                    | 1 Amp @ 24V                                    |
| PD4_4-1MVPIR    | 4           | 2 Amp @ 12V                                    | 1 Amp @ 24V                                    |
| PD4_4-3MV       | 4           | 3 Amp @ 12V                                    | 2 Amp @ 24V                                    |
| PD4_4-3MVPIR    | 4           | 3 Amp @ 12V                                    | 2 Amp @ 24V                                    |
|                 |             |  |  |
| PD4CW12         | 12          | 1 Amp @ 12V                                    | 1 Amp @ 24V                                    |
| PD4CW24         | 24          | 2 Amp @ 12V                                    | 1 Amp @ 24V                                    |
| PD4CW36         | 36          | 2 Amp @ 12V                                    | 1 Amp @ 24V                                    |
| PD4CW48         | 38          | 3 Amp @ 12V                                    | 2 Amp @ 24V                                    |
|                 |             |  |  |
| PS3_2-1         | 2           | 1 Amp @ 12V                                    | 1 Amp @ 24V                                    |
| PS3_2-3         | 2           | 2 Amp @ 12V                                    | 1 Amp @ 24V                                    |
|                 |             |  |  |
| SI3_2-1         | 2           | 1 Amp @ 12V                                    | 1 Amp @ 24V                                    |
| SI3_2-3         | 2           | 2 Amp @ 12V                                    | 1 Amp @ 24V                                    |
|                 |             |  |  |
| SI3_5-1         | 5           | 3 Amp @ 12V                                    | 1 Amp @ 24V                                    |
| SI3_5-1PIR      | 5           | 2 Amp @ 12V                                    | 1 Amp @ 24V                                    |
| SI3_6-1         | 6           | 3 Amp @ 12V                                    | 1 Amp @ 24V                                    |
| SI3_6-1PIR      | 6           | 2 Amp @ 12V                                    | 1 Amp @ 24V                                    |
|                 |             |  |  |
| SI3_5-3         | 5           | 5 Amp @ 12V                                    | 3 Amp @ 24V                                    |
| SI3_5-3PIR      | 5           | 4 Amp @ 12V                                    | 2 Amp @ 24V                                    |
| SI3_6-3         | 6           | 5 Amp @ 12V                                    | 3 Amp @ 24V                                    |
| SI3_6-3PIR      | 6           | 4 Amp @ 12V                                    | 2 Amp @ 24V                                    |
|                 |             |  |  |
| SI4_6-3         | 6           | 4 Amp @ 12V                                    | 2 Amp @ 24V                                    |
|                 |             |  |  |
| SI5CW125        | 6           | 1 Amp @ 12V                                    | 1 Amp @ 24V                                    |
| SI5CW125        | 12          | 1 Amp @ 12V                                    | 1 Amp @ 24V                                    |
| SI5CW250        | 12          | 1 Amp @ 12V                                    | 1 Amp @ 24V                                    |
| SI5CW250        | 24          | 2 Amp @ 12V                                    | 1 Amp @ 24V                                    |
| SI5CW500        | 24          | 2 Amp @ 12V                                    | 1 Amp @ 24V                                    |
| SI5CW500        | 48          | 3 Amp @ 12V                                    | 2 Amp @ 24V                                    |
| SI5CW750        | 36          | 2 Amp @ 12V                                    | 1 Amp @ 24V                                    |
|                 |             |  |  |

|  | <b>LEDs</b> | <b>JAKOST VAROVALKE PRI 12 V<br/>NAPETOSTI</b> | <b>JAKOST VAROVALKE PRI 24 V<br/>NAPETOSTI</b> |
|--|-------------|--|--|
| SI5CW750                                   | 72          | 3 Amp @ 12V                                    | 2 Amp @ 24V                                    |
| SI5CW1000                                  | 48          | 3 Amp @ 12V                                    | 2 Amp @ 24V                                    |
| SI5CW1000                                  | 96          | 5 Amp @ 12V                                    | 3 Amp @ 24V                                    |
|  |             |  |  |
| SI6_6-3                                    | 6           | 5 Amp @ 12V                                    | 3 Amp @ 24V                                    |
| SI7_5-3                                    | 5           | 4 Amp @ 12V                                    | 2 Amp @ 24V                                    |
| SI8_4-3                                    | 4           | 3 Amp @ 12V                                    | 2 Amp @ 24V                                    |
| SI9CW24                                    | 24          | 2 Amp @ 12V                                    | 1 Amp @ 24V                                    |
|  |             |  |  |
| SP1_CW6                                    | 6           | 1 Amp @ 12V                                    | 1 Amp @ 24V                                    |
| SP1_CW12                                   | 12          | 1 Amp @ 12V                                    | 1 Amp @ 24V                                    |
| SP1_R6                                     | 6           | 1 Amp @ 12V                                    | 1 Amp @ 24V                                    |
| SP2_CW6                                    | 6           | 1 Amp @ 12V                                    | 1 Amp @ 24V                                    |
| SP2_CW12                                   | 12          | 1 Amp @ 12V                                    | 1 Amp @ 24V                                    |
| SP2_R6                                     | 6           | 1 Amp @ 12V                                    | 1 Amp @ 24V                                    |
|  |             |  |  |
| SVCW125                                    | 6           | 1 Amp @ 12V                                    | 1 Amp @ 24V                                    |
| SVCW125                                    | 12          | 1 Amp @ 12V                                    | 1 Amp @ 24V                                    |
| SVCW250                                    | 12          | 1 Amp @ 12V                                    | 1 Amp @ 24V                                    |
| SVCW250                                    | 24          | 2 Amp @ 12V                                    | 1 Amp @ 24V                                    |
| SVCW500                                    | 24          | 2 Amp @ 12V                                    | 1 Amp @ 24V                                    |
| SVCW500                                    | 48          | 3 Amp @ 12V                                    | 2 Amp @ 24V                                    |
| SVCW750                                    | 36          | 2 Amp @ 12V                                    | 1 Amp @ 24V                                    |
| SVCW750                                    | 72          | 3 Amp @ 12V                                    | 2 Amp @ 24V                                    |
| SVCW1000                                   | 48          | 3 Amp @ 12V                                    | 2 Amp @ 24V                                    |
| SVCW1000                                   | 96          | 5 Amp @ 12V                                    | 3 Amp @ 24V                                    |
|  |             |  |  |
| TI3_2-1                                    | 2           | 1 Amp @ 12V                                    | 1 Amp @ 24V                                    |
| TI3_2-3                                    | 2           | 2 Amp @ 12V                                    | 1 Amp @ 24V                                    |
| TI3R_2-1                                   | 2           | 1 Amp @ 12V                                    | 1 Amp @ 24V                                    |
| TI3R_2-3                                   | 2           | 2 Amp @ 12V                                    | 1 Amp @ 24V                                    |
|  |             |  |  |
| <b>Glavna stikala PIR s<br/>časovnikom</b> | <b>LEDs</b> | <b>JAKOST VAROVALKE PRI 12 V<br/>NAPETOSTI</b> | <b>JAKOST VAROVALKE PRI 24 V<br/>NAPETOSTI</b> |
|  |             |  |  |
| TS   | n/a         | 1 Amp @ 12V                                    | 1 Amp @ 24V                                    |
| TSWP                                       | n/a         | 1 Amp @ 12V                                    | 1 Amp @ 24V                                    |
| TSTI                                       | n/a         | 1 Amp @ 12V                                    | 1 Amp @ 24V                                    |
| TSTIWP                                     | n/a         | 1 Amp @ 12V                                    | 1 Amp @ 24V                                    |
|  |             |  |  |
|  |             |  |  |
|  |             |  |  |
|  |             |  |  |