

# Dimmable LED T8 DC Tube & DALI LED dimming Driver

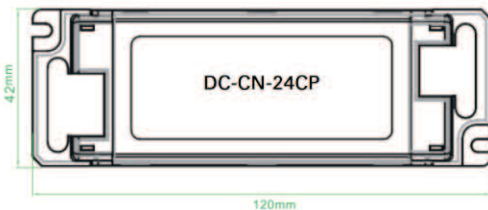
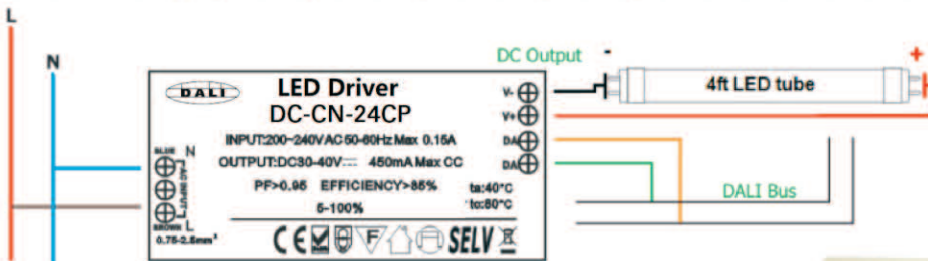


## Model : DC-CN-24CP + LT-R-S(300°) Series

1. Dimming interface : DALI
2. Constant current output, parameters can be customized to 24W
3. Class 2 LED power supply, Double-isolated.
4. Short circuit, over current and over voltage protection. Efficiency up to 83%
5. DALI control standard IEC62386
6. DALI control input <math><2\text{mA}</math>, 5-100% logarithmic dimming range.
7. Compatible with many kinds of dimming system, such as Philips, Osram, Tridonic, Siemens, Lutron, KNX etc.



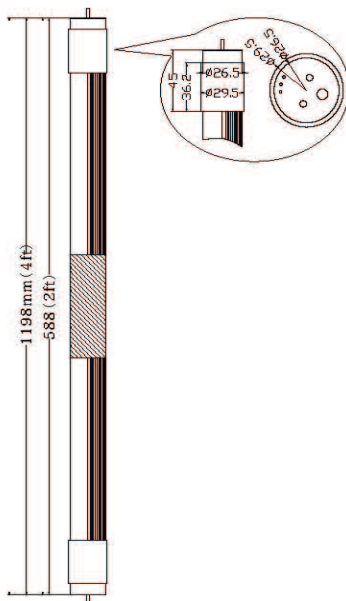
Model:LT-R-S(300°) Series



Model:DC-CN-24CP

### Standards(DC Tube)

|                   |   |
|-------------------|---|
| Standard Dim(mm)  | 1.2m - $\varnothing 26.5 \times 1198\text{mm}$<br>0.6m - $\varnothing 26.5 \times 588\text{mm}$ |
| Material          | AL6063+PC   |
| Power (W)         | LT-R0609 8W / 130lm/W / Total 1050lm<br>LT-R1218 14W / 150lm/W / Total 2100lm                   |
| Voltage(V)        | DC30-40V  |
| Beam angle:       | 300°  |
| Luminous efficacy | 130&150lm/W   |
| Color Temp        | 2700K~6500K   |
| CRI               | >80   |
| Power factor      | > 0.95  |
| Life Span (Hrs)   | up to 50,000 hours  |



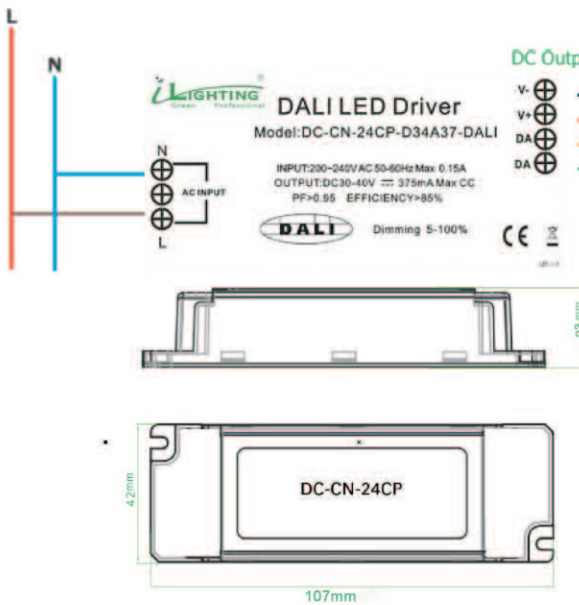
# Dimmable LED T5 DC Tube & DALI LED dimming Driver

## Model : DC-CN-24CP + LT-R12-L-T5G5 Series

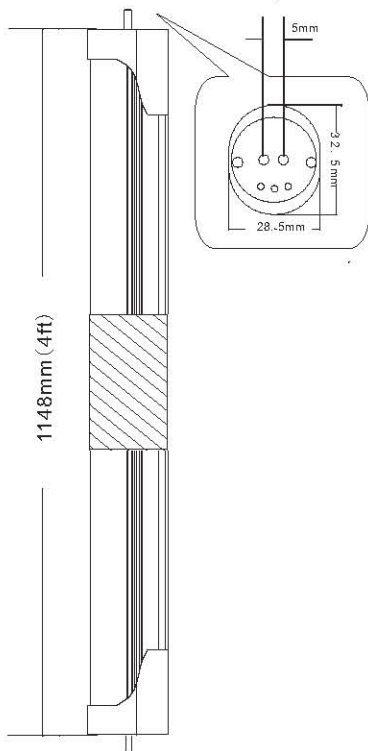
1. Dimming interface : DALI
2. Constant current output, parameters can be customized to 18W
3. Class 2 LED power supply, Double-isolated.
4. Short circuit, over current and over voltage protection. Efficiency up to 83%
5. DALI control standard IEC62386
6. DALI control input <2mA, 5-100% logarithmic dimming range.
7. Compatible with many kinds of dimming system, such as Philips, Osram, Tridonic, Siemens, Lutron, KNX etc.



Model: LT-R12-L-T5G5 Series



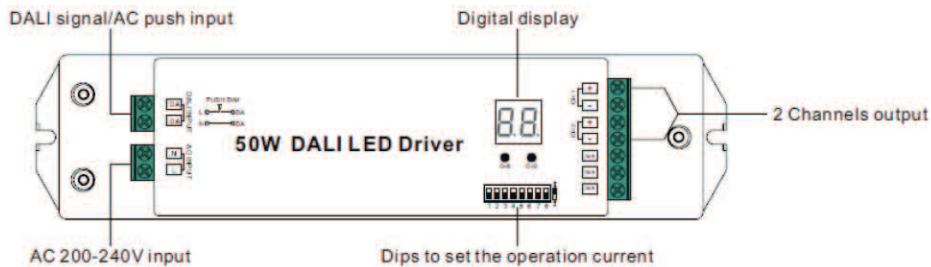
Model: DC-CN-24CP



### Standards (DC Tube)

|                   |  |
|-------------------|--|
| Standard Dim (mm) | 1.2m - Ø26.5mm*1148mm                          |
| Driver Dimension  | 107*42*23mm                                    |
| Material          | AL6063+PC                                      |
| Power (W)         | LT-R1218-L-T5G5 / 18W / 140lm/W / Total 2520lm |
| Voltage (V)       | DC30-40V                                       |
| Beam angle:       | 180°   |
| Luminous efficacy | 140lm/W  |
| Color Temp        | 2700K~6500K                                    |
| CRI               | >80  |
| Power factor      | > 0.95   |
| Life Span (Hrs)   | up to 50,000 hours                             |

## Function

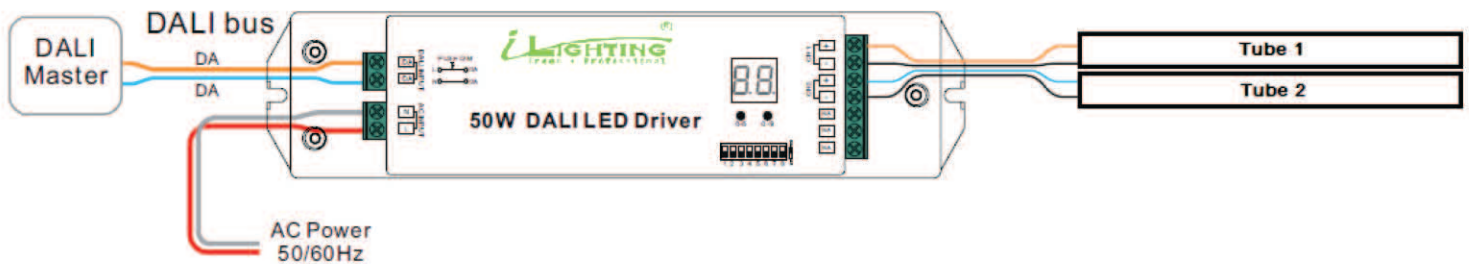


### Dips to set the operation current

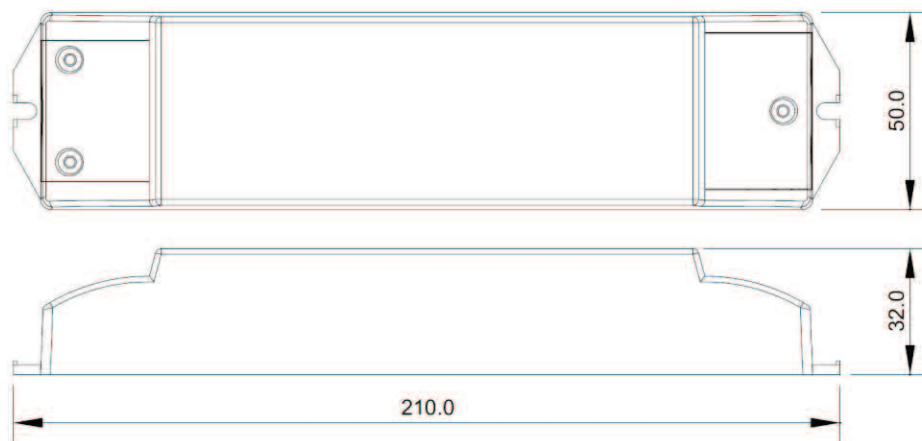
| Dial | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | Current |
|------|---|---|---|---|---|---|---|---|---------|
| ●    | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | 250mA   |
| ○    | ● | ○ | ○ | ○ | ○ | ○ | ○ | ○ | 300mA   |
| ○    | ○ | ● | ○ | ○ | ○ | ○ | ○ | ○ | 350mA   |
| ○    | ○ | ○ | ● | ○ | ○ | ○ | ○ | ○ | 400mA   |
| ○    | ○ | ○ | ○ | ● | ○ | ○ | ○ | ○ | 450mA   |
| ○    | ○ | ○ | ○ | ○ | ● | ○ | ○ | ○ | 500mA   |
| ○    | ○ | ○ | ○ | ○ | ○ | ● | ○ | ○ | 600mA   |
| ○    | ○ | ○ | ○ | ○ | ○ | ○ | ● | ○ | 700mA   |
| ○    | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ● | 800mA   |
| ○    | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | 900mA   |
| ○    | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | 1000mA  |
| ○    | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | 1100mA  |
| ○    | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | 1200mA  |
| ○    | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | 1300mA  |
| ○    | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | 1400mA  |
| ○    | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | 1500mA  |

- Dimmable LED driver, max. output power 50W
- 2 channel 250-1500mA constant current output
- Dips to set the operation current
- Class II power supply, full isolated plastic case
- High power factor and efficiency
- Built-in DALI interface, DALI DT6 device
- Complies with DALI standards IEC62386-101, 102, 207
- DALI addresses quantity can be set as 1/2
- Enables to control single color, CCT (needs 2 DALI addresses) LED lighting
- Compliant with Safety Extra Low Voltage standard
- Short circuit, over load, over temperature protection
- IP20 rating, suitable for indoor LED lighting applications

## Wiring Diagram



## Dimension



# DALI LED dimming Driver

Model : DC-2X20W-010

1. Dimming interface : DALI
2. Two channel DC Output
3. Constant current output
4. Short circuit, over current and over voltage protection.
5. DALI control input < 2mA, 0-100% logarithmic dimming range.



Model:DC-2X20W-010

## Specification

|                    | LED Channel               | 2                                  |       |        |        |        |        |        |        |
|--------------------|---------------------------|------------------------------------|-------|--------|--------|--------|--------|--------|--------|
|                    | Output                    | Selectable Current                 | 250mA | 300mA  | 350mA  | 400mA  | 450mA  | 500mA  | 600mA  |
| DC Voltage Range   |                           | 8-52V                              | 8-52V | 8-52V  | 8-52V  | 8-52V  | 8-52V  | 8-52V  | 8-52V  |
| Selectable Current |                           | 800mA                              | 900mA | 1000mA | 1100mA | 1200mA | 1300mA | 1400mA | 1500mA |
| DC Voltage Range   |                           | 8-52V                              | 8-52V | 8-50V  | 8-46V  | 8-41V  | 8-38V  | 8-35V  | 8-33V  |
| Current Tolerance  |                           | ± 1%                               |       |        |        |        |        |        |        |
| Rated Power        |                           | Max. 50W                           |       |        |        |        |        |        |        |
| Input              | Voltage Range             | 200-240V AC                        |       |        |        |        |        |        |        |
|                    | Frequency Range           | 50/60Hz                            |       |        |        |        |        |        |        |
|                    | Power Factor (Typ.)       | > 0.9                              |       |        |        |        |        |        |        |
|                    | Total Harmonic Distortion | THD ≤ 15% (@ full load / 230VAC)   |       |        |        |        |        |        |        |
|                    | Efficiency (Typ.)         | 87% @ 230VAC full load             |       |        |        |        |        |        |        |
|                    | AC Current (Typ.)         | 0.27A @ 230VAC                     |       |        |        |        |        |        |        |
|                    | Inrush Current (Typ.)     | COLD START Max. 2A @ 230VAC        |       |        |        |        |        |        |        |
|                    | Leakage Current           | < 0.5mA /230VAC                    |       |        |        |        |        |        |        |
| Control            | Dimming Interface         | DALI (DALI consumption < 2mA)/PUSH |       |        |        |        |        |        |        |
|                    | Dimming Range             | 0%-100%                            |       |        |        |        |        |        |        |
|                    | Dimming Method            | Pulse Width Modulation             |       |        |        |        |        |        |        |
|                    | Dimming Curve             | Logarithmic                        |       |        |        |        |        |        |        |
| Environment        | Working Temp.             | -20°C ~ +45°C                      |       |        |        |        |        |        |        |
|                    | Max. Case Temp.           | 75°C (Ta="45°C")                   |       |        |        |        |        |        |        |
|                    | Working Humidity          | 10% ~ 95% RH non-condensing        |       |        |        |        |        |        |        |
|                    | Storage Temp. & Humidity  | -40°C ~ +80°C, 10% ~ 95% RH        |       |        |        |        |        |        |        |
| Others             | Dimension                 | 210*50*32mm (L*W*H)                |       |        |        |        |        |        |        |

# Dimmable LED T8 DC Tube & DALI LED dimming Driver

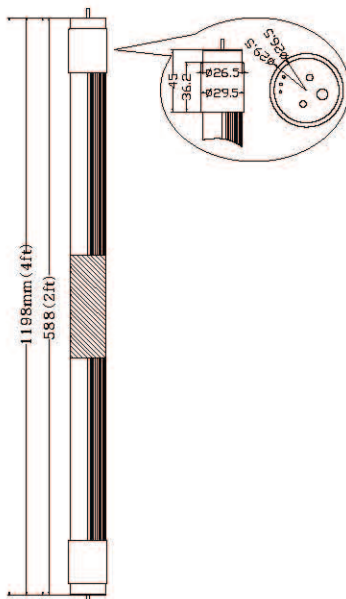
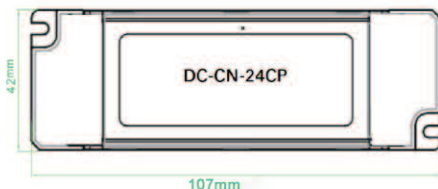
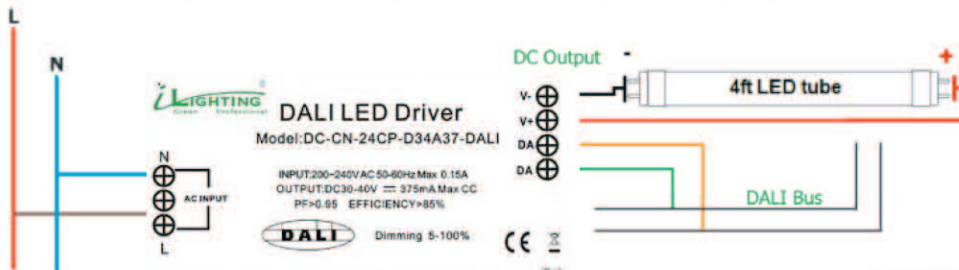


## Model : DC-CN-24CP + LT-R12 Series

1. Dimming interface : DALI
2. Constant current output, parameters can be customized to 18W
3. Class 2 LED power supply, Double-isolated.
4. Short circuit, over current and over voltage protection. Efficiency up to 83%
5. DALI control standard IEC62386
6. DALI control input <math>< 2\text{mA}</math>, 5-100% logarithmic dimming range.
7. Compatible with many kinds of dimming system, such as Philips, Osram, Tridonic, Siemens, Lutron, KNX etc.



Model:LT-R12 Series



Model:DC-CN-24CP

### Standards(DC Tube)

|                   |  |
|-------------------|--|
| Standard Dim(mm)  | 1.2m - $\varnothing 26.5 \times 1198\text{mm}$ |
| Driver Dimension  | 107*42*23mm                                    |
| Material          | AL6063+PC                                      |
| Power (W)         | LT-R1218 18W / 140lm/W / Total 2520lm          |
| Voltage(V)        | DC30-40V                                       |
| Beam angle:       | 180°   |
| Luminous efficacy | 140lm/W  |
| Color Temp        | 4000K  |
| CRI               | >80  |
| Power factor      | > 0.95   |
| Life Span (Hrs)   | up to 50,000 hours                             |

# Dimmable LED T8 DC Tube & DALI LED dimming Driver

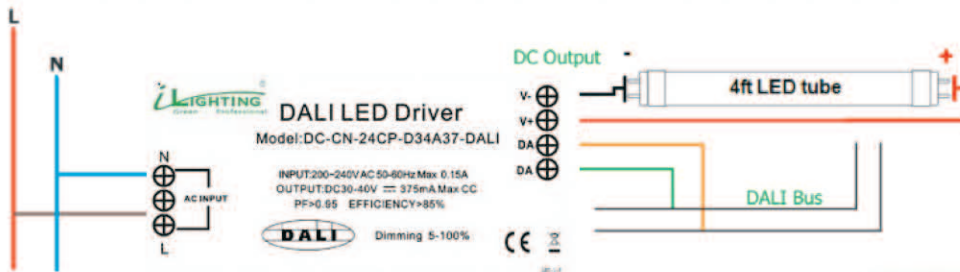


## Model : DC-CN-24CP + LT-R-S(300°) Series

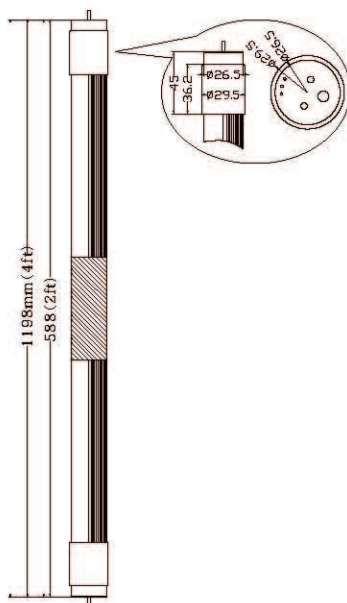
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7. Compatible with many kinds of dimming system, such as Philips, Osram, Tridonic, Siemens, Lutron, KNX etc.



Model:LT-R-S(300°) Series



Model:DC-CN-24CP



### Standards(DC Tube)

|                   |                                       |
|-------------------|---------------------------------------|
| Standard Dim(mm)  | 1.2m - $\varnothing$ 26.5*1198mm      |
| Material          | AL6063+PC                             |
| Power (W)         | LT-R1218 14W / 150lm/W / Total 2100lm |
| Voltage(V)        | DC30-40V                              |
| Beam angle:       | 300°                                  |
| Luminous efficacy | 150lm/W                               |
| Color Temp        | 2700K~6500K                           |
| CRI               | >80                                   |
| Power factor      | > 0.95                                |
| Life Span (Hrs)   | up to 50,000 hours                    |

# Dimmable LED T8 DC Tube & DALI LED dimming Driver

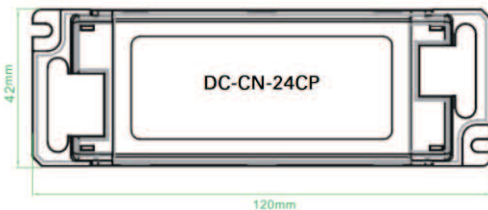
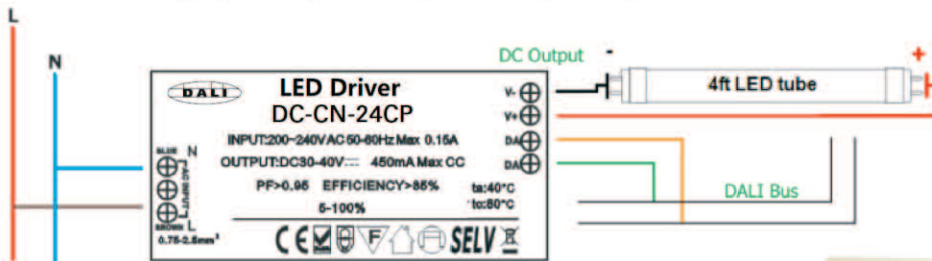


## Model : DC-CN-24CP + LT-R Series

1. Dimming interface : DALI
2. Constant current output, parameters can be customized to 24W
3. Class 2 LED power supply, Double-isolated.
4. Short circuit, over current and over voltage protection. Efficiency up to 83%
5. DALI control standard IEC62386
6. DALI control input <2mA, 5-100% logarithmic dimming range.
7. Compatible with many kinds of dimming system, such as Philips, Osram, Tridonic, Siemens, Lutron, KNX etc.



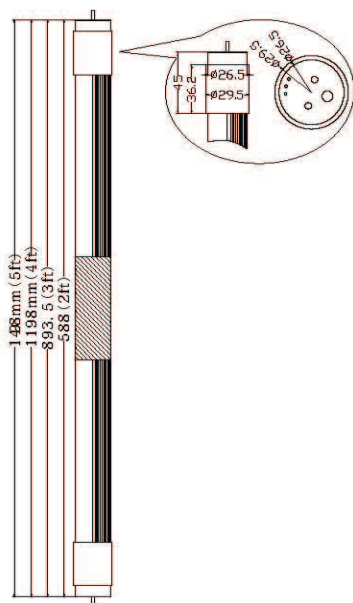
Model:LT-R Series



Model:DC-CN-24CP

### Standards(DC Tube)

|                   |   |
|-------------------|---|
| Standard Dim(mm)  | 1.2m - Ø26.5*1198mm<br>0.6m - Ø26.5*588mm                                     |
| Material          | AL6063+PC   |
| Power (W)         | LT-R0609 8W / 130lm/W / Total 1050lm<br>LT-R1218 14W / 150lm/W / Total 2100lm |
| Voltage(V)        | DC30-40V  |
| Beam angle:       | 180 degree  |
| Luminous efficacy | 130&150lm/W   |
| Color Temp        | 2700K~6500K   |
| CRI               | >80   |
| Power factor      | > 0.95  |
| Life Span (Hrs)   | up to 50,000 hours  |



# Dimmable LED T8 DC Tube & DALI LED dimming Driver

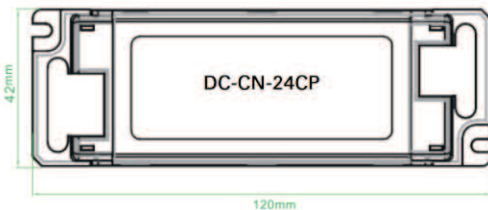
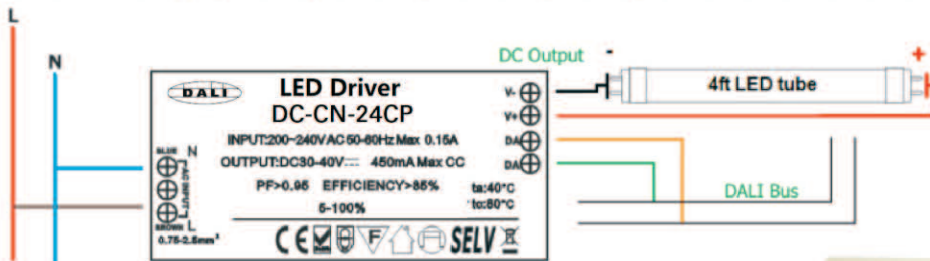


## Model : DC-CN-24CP + LT-R Series

1. Dimming interface : DALI
2. Constant current output, parameters can be customized from 12W to 24W
3. Class 2 LED power supply, Double-isolated.
4. Short circuit, over current and over voltage protection. Efficiency up to 83%
5. DALI control standard IEC62386
6. DALI control input < 2mA, 5-100% logarithmic dimming range.
7. Compatible with many kinds of dimming system, such as Philips, Osram, Tridonic, Siemens, Lutron, KNX etc.



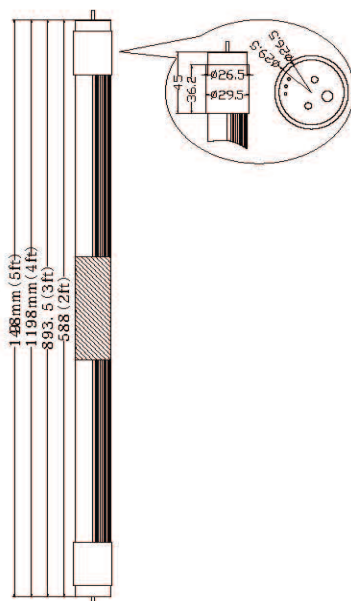
Model:LT-R Series



Model:DC-CN-24CP

### Standards(DC Tube)

|                   |   |
|-------------------|---|
| Standard Dim(mm)  | 1.2m - Ø26.5*1198mm<br>0.6m - Ø26.5*588mm                                     |
| Material          | AL6063+PC   |
| Power (W)         | LT-R0609 8W / 130lm/W / Total 1050lm<br>LT-R1218 14W / 150lm/W / Total 2100lm |
| Voltage(V)        | DC30-40V  |
| Beam angle:       | 180 degree  |
| Luminous efficacy | 130&150lm/W   |
| Color Temp        | 2700K~6500K   |
| CRI               | >80   |
| Power factor      | > 0.95  |
| Life Span (Hrs)   | up to 50,000 hours  |





# Dimmable LED T8 DC Tube & DALI LED dimming Driver

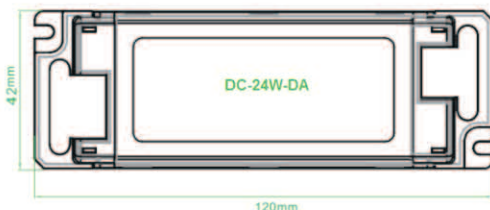
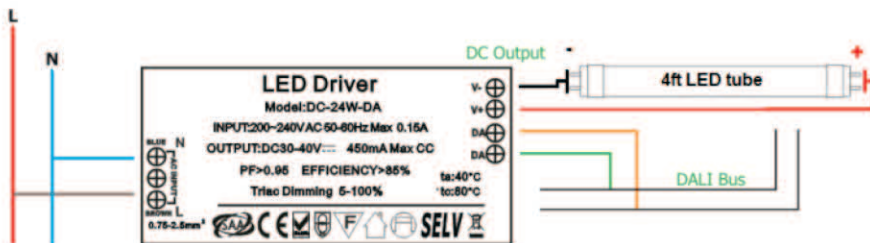


## Model : DC-24W-DA + LT-R1218

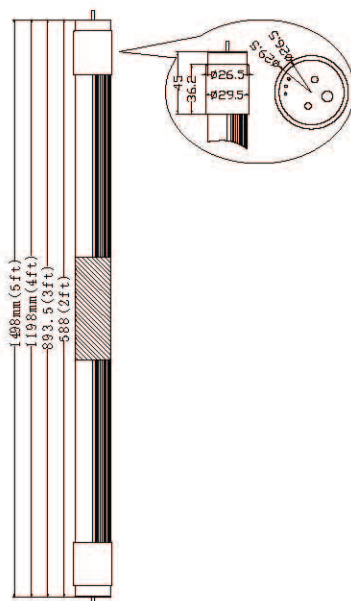
1. Dimming interface : DALI
2. Constant current output, parameters can be customized from 12W to 24W
3. Class 2 LED power supply, Double-isolated.
4. Short circuit, over current and over voltage protection. Efficiency up to 83%
5. DALI control standard IEC62386
6. DALI control input <math>< 2\text{mA}</math>, 5-100% logarithmic dimming range.
7. Compatible with many kinds of dimming system, such as Philips, Osram, Tridonic, Siemens, Lutron, KNX etc.



Model:LT-R1218



Model:DC-24W-DA



### Standards(DC tube)

|                   |                    |
|-------------------|--------------------|
| Standard Dim(mm)  | Ø26.5*1198mm       |
| Material          | AL6063+PC          |
| Power (W)         | 18W                |
| Voltage(V)        | DC30-40V           |
| Beam angle:       | 180 degree         |
| Luminous efficacy | 100-150lm/W        |
| Color Temp        | 2700K~6500K        |
| CRI               | >80                |
| Power factor      | > 0.95             |
| Life Span (Hrs)   | up to 50,000 hours |