

## Surface and Wall

### CLD/CLPD

#### LED Display Luminaire Power Supplies



#### Specifier's Reference

Project

Type

Model No.

Comments

#### application

- The Philips Capri LED Display Luminaire system offers two power supply variations that are sure to meet virtually every application need. One option is the CLPD plug-in power supply that is available in 25 watt capacity. The CLPD offers the convenience of a plug-in power supply which is ideal for lower wattage applications. Power supply is equipped with male connector and is ready to plug into luminaire. A second option is the CLD hard-wired power supplies which are available in 20 watt, 40 watt, and 60 watt capacities. The CLD power supplies are for use in applications requiring higher-wattage. CUCWC plug to wire connectors are required in hard-wired systems to connect power supply to the first luminaire in a run.

#### hard-wired features

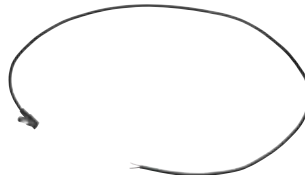
- Powers the Philips Capri LED Display Luminaire series.
- Hard-wired drivers offered in 20 watt, 40 watt, and 60 watt capacities.
- Universal voltage 120-240V.
- Only Hard-wired systems are dimming capable. (see dimming guide SW3-2.1).
- Hard-wired systems are IP67 rated for use in wet locations.
- Plug to wire connectors allow luminaires to be positioned 30", 60", or 120" remotely from power supplies and are required to run power to first luminaire.
- Optional CLDE, white powder coated electrical enclosure available for hard-wired systems. For aesthetic purposes only, not required.

#### plug-in features

- Powers the Philips Capri LED Display Luminaire series.
- Plug-in supplies offered in 25 watt, 120V capacity.
- Power supply equipped with male connector and ready to plug into first luminaire.

#### accessories (ordered separately)

- CUCWC plug to wire connectors are required in hard-wired systems to connect power supply to the first luminaire in a run.
- CUCWC30..... 30" Plug to Wire Connector  
CUCWC60..... 60" Plug to Wire Connector  
CUCWC120..... 120" Plug to Wire Connector



CUCWC Hard-Wire / Plug to Wire Connector

Sample Catalog Number: CLD60U CUCWC60

#### HARD-WIRED POWER SUPPLY

##### Enclosure (optional)

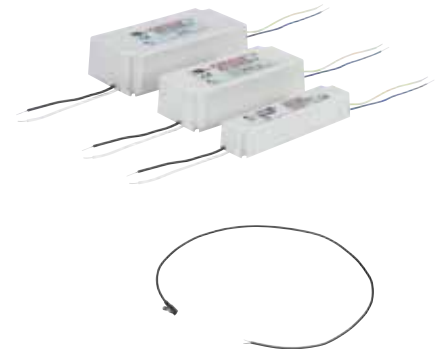
BLANK  
No enclosure  
CLDE  
Driver Enclosure

##### Power Supplies

**CLD20U**- LED Remote Driver, 20 watt capacity<sup>1</sup>  
**CLD40U**- LED Remote Driver, 40 watt capacity<sup>1</sup>  
**CLD60U**- LED Remote Driver, 60 watt capacity<sup>1</sup>

##### Required Connector Accessories (ordered separately)

**CUCWC30** - 30" Plug to Wire Connector<sup>2</sup>  
**CUCWC60** - 60" Plug to Wire Connector<sup>2</sup>  
**CUCWC120** - 120" Plug to Wire Connector<sup>2</sup>



##### CUCWC Connectors

Plug to wire connectors are complete with molded-in male connector to start power run directly from remote driver. 18 gauge wire stripped and ready for connection to driver. Lengths: 30", 60" and 120".

#### Footnotes

- CLD drivers are 120-240V.
- One connector required per driver to connect power to first luminaire.

Sample Catalog Number: CLPD25

#### PLUG-IN POWER SUPPLY

##### CLPD25

##### Power Supply

**CLPD25**  
LED Plug-In Power Supply,  
25 watt capacity<sup>3,4</sup>

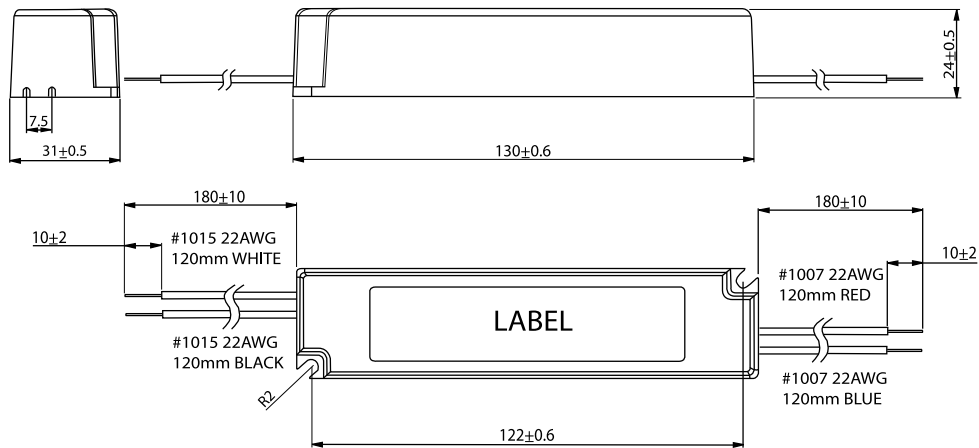
#### Footnotes

- CLPD power supply is 120V only.
- CLPD power supply is not dimmable.

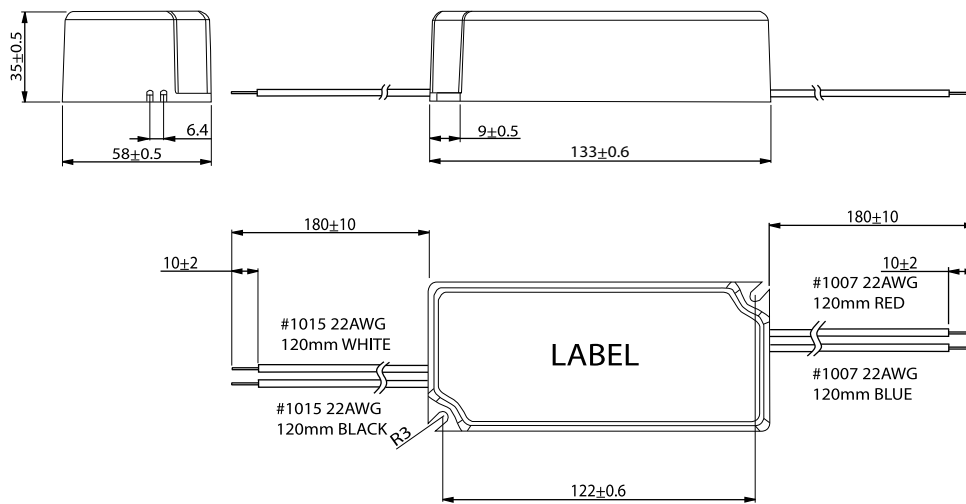


**PHILIPS**  
**capri**

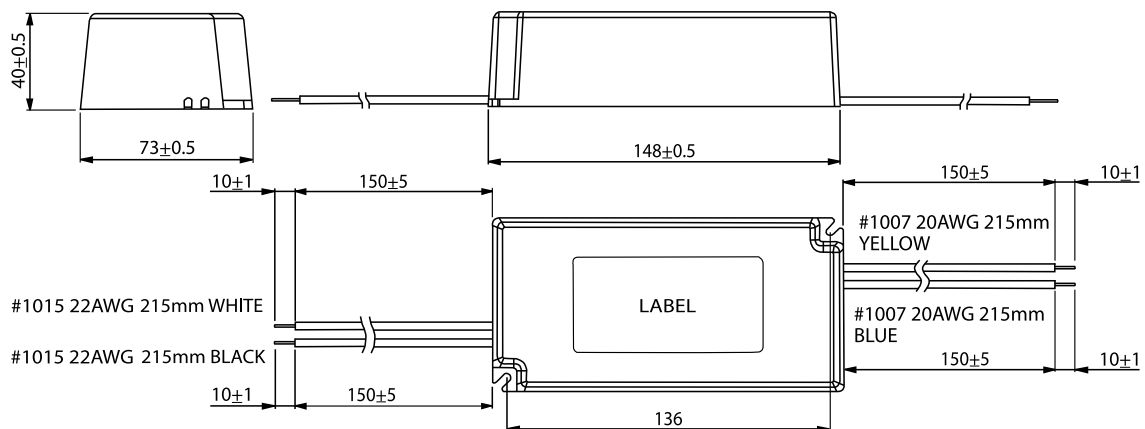
## dimensions CLD20



## CLD40



## CLD60



## electrical information



| Model | Cat. No. | Max No. Fixtures |
|-------|----------|------------------|
| CLD20 | CUCL05   | 3                |
|       | CUCL15   | 1                |
| CLD40 | CUCL05   | 6                |
|       | CUCL15   | 2                |
| CLD60 | CUCL5    | 9                |
|       | CUCL15   | 3                |

| Model Number          |                                | CLD20U                                      | CLD40U      | CLD60U             |
|-----------------------|--------------------------------|---|-------------|--------------------|
| Input                 | Voltage Range                  | 90~264 VAC Universal Input                  |             |                    |
|                       | Frequency Range                | 47~63Hz                                     |             |                    |
|                       | Efficiency (Typical)           | 83%   |             |                    |
|                       | AC Current                     | 0.45A/VAC/115VAC                            | 1A/115VAC   | 1.25/100VAC        |
|                       |                                | 0.22A/240VAC                                | 0.5A/240VAC | 0.7A/240VA         |
|                       | Inrush Current (max.)          | 50A/230VAC Cold Start                       |             |                    |
| Output                | Leakage Current                | 0.5mA/240VAC/50Hz                           |             | 0.75mA/132VAC/60Hz |
|                       | DC Voltage                     | 12±3%                                       |             |                    |
|                       | Rated Current                  | 1.7A  | 3.4A        | 5.0A               |
|                       | Rated Power                    | 20W   | 40W         | 60W                |
| Environmental Ratings | Protection                     | OVP, Short-Current, OTP, OPP, Current Limit |             |                    |
|                       | Operating Ambient Temperature  | -20° C~+60° C                               |             |                    |
|                       | Storage Ambient Temp./Humidity | -40~+80° C                                  |             |                    |
|                       | Relative Humidity              | Waterproof IP67                             |             |                    |
| Others                | Dimensions (inches)            |   |             |                    |
|                       | L x W x H                      | 5"x1"x1"                                    | 5"x2"x1"    | 6"x3"x1.5"         |
|                       | MTBF                           | 100,000hrs./ 25° C Ambient                  |             |                    |
|                       | Safety Approval Report         | UL1310 Class 2, TUV EN60950, CB             |             |                    |
|                       | EMC Standards                  | EN55022 Class B, EN55024, EN61000-          |             | CE EN55015         |
|                       |                                | 3-2,3, IEC61000-4-2,3,4,5,6,8,11(CE)        |             | EN55024            |



| Model  | Cat. No. | Max No. Fixtures |
|--------|----------|------------------|
| CLPD25 | CUCL05   | 3                |
|        | CUCL15   | 1                |

| Model Number          |                                | CLPD25  |
|-----------------------|--------------------------------|---|
| Input                 | Voltage Range                  | 120V  |
|                       | Frequency Range                | 47~63Hz   |
|                       | Efficiency (Typical)           | 81%   |
|                       | AC Current                     | 0.7/100VAC  |
|                       | Inrush Current (max.)          | 25A/115VAC  |
|                       | Leakage Current                | 0.25mA/240VAC   |
| Output                | DC Voltage                     | 12V   |
|                       | Rated Current                  | 2.08A   |
|                       | Rated Power                    | 25W   |
|                       | Protection                     | Overload, Over Voltage  |
| Environmental Ratings | Operating Ambient Temperature  | -0° C~+50° C  |
|                       | Storage Ambient Temp./Humidity | -20~+85, 10~95% RH  |
|                       | Relative Humidity              | 20%~+90 RH non-condensing                                     |
| Others                | Dimensions (inches)            |   |
|                       | L x W x H                      | 3"x2"x1"  |
|                       | MTBF                           | 500,000hrs. min. Ambient 25° C                                |
|                       | Safety Approval Report         | UL60950-1, CSAC22.2, BSMI, CNS14336                           |
|                       | EMC Standards                  | Compliance to FCC PART 15/ CISPR22 class B, CNS 13438 class B |
|                       | Connector Plug                 | P1J, 2.1Ø* 11mm, center positive                              |



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Contact Factory for Additional Configurations.

Specifications are subject to change without notice.

Some luminaires use fluorescent or high intensity discharge (HID) lamps that contain small amounts of mercury. Such lamps are labeled, "Contain Mercury" and/or the symbol "HG". Lamps that contain mercury must be disposed of in accordance with local requirements. Information regarding lamp recycling and disposal can be found at [www.lamprecycle.org](http://www.lamprecycle.org)