



## R35 & R44 CHANNEL IP40/IP67

R35 & R44 Channel – The perfect recessed lighting solution for both indoor and outdoor spaces.

With an impressive LED output ranging from 200 to 1463 lumens per foot up to IP67, this channel offers a customizable brightness that suits any environment.

### PRODUCT HIGHLIGHTS

- **BINNING:** ± 50K
- **CRI:** >90
- **EXPECTED LIFETIME:** L70 & 60,000 hours
- **OPERATING TEMP:** 22 °F – 131 °F (-30°C – 55°C)
- **RATING:** UL
- **OPERATING VOLTAGE:** 24 volt, constant voltage
- **WARRANTY:** 5 year
- **DIMENSIONS:** 1.74 in x 1.38 in
- **COLOR:** Silver, White, Black, Custom
- **MATERIAL:** Aluminum
- **FINISH:** Anodized
- **OPTIONAL ADDERS: (not included)**  
BAA, Factory assembled

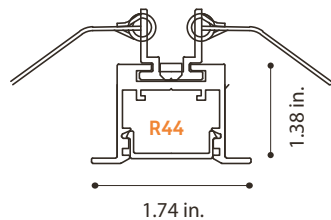
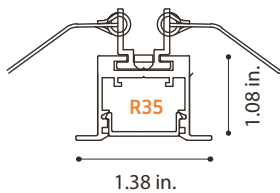
### SERIES OPTIONS

- COB
- PCB

### LED CHARACTERISTICS

|         | Power     | Increments | Max Strip Length |
|---------|-----------|------------|------------------|
| PCB P   | 1.32 w/ft | 4.92 in    | 16 ft            |
| PCB HP  | 2.20 w/ft | 3.93 in    |                  |
| PCB PH1 | 3.00 w/ft | 2.46 in    |                  |
| PCB PH2 | 4.00 w/ft | 1.96 in    |                  |
| PCB PH3 | 6.10 w/ft | 1.31 in    |                  |
| PCB PH4 | 7.70 w/ft | 1.64 in    |                  |
| PCB PH5 | 10.5 w/ft | 1.23 in    |                  |
| COB PH1 | 4.96 w/ft | 1.15 in    |                  |
| COB PH2 | 4.96 w/ft | 1.15 in    |                  |

**Notes:**  
 MAX. connection length between -20 °C and -30 °C is 8 FT Feet.  
 Lumen calculated at 2700K, please refer to individual data sheets if needed.  
 LEDscape reserves the right to modify the information above without notice.  
 Circuit with LEDscape Product must have surge protection to qualify for 5 year warranty.



### AVAILABLE COLORS

- 1900K
- 2400K
- 2700K
- 3000K
- 3500K
- 4000K
- 5000K
- 6500K
- CUSTOM

## ORDERING CHART

Please specify whether you would like PCB or COB light strips to be used within your channel.



### PCB

Example: 16 -FLEX-P-1.3-19

| Length   | LED Stock Code                       | Series   |              | Output |              | Color |       |    |        |
|--|--------------------------------------|--|--------------|--------|--------------|-------|-------|----|--------|
|  |                                      | PCB  | Indoor IP40  | 1.3    | 200 lm/ft    | 19    | 1900K | 65 | 6500K  |
| <b>16</b><br><small>NOTE: Refer to Max Run lengths. If total exceeds, you will receive multiple pieces. Example: 30 ft = (2) 15 ft</small> | <b>FLEX</b><br><b>FLEX LED Strip</b> | T-PCB  | Outdoor IP67 | 2.2    | 300 lm/ft    | 24    | 2400K | CU | Custom |
|  |                                      |  |              | 3.0    | 405 lm/ft    | 27    | 2700K |    |        |
|  |                                      |  |              | 4.0    | 600 lm/ft    | 30    | 3000K |    |        |
|  |                                      | <b>6.1, 7.7, 10.5</b><br>available in PCB Indoor IP40 only |              | 6.1    | 875 lm/ft    | 35    | 3500K |    |        |
|  |                                      |  |              | 7.7    | 1125 lm/ft   | 40    | 4000K |    |        |
|  |                                      |  |              | 10.5   | 1463 lm/ft   | 50    | 5000K |    |        |
|  |                                      |  |              | CU     | Custom lm/ft |       |       |    |        |

**Notes:**  
 1. FLEX-T-PCB not available in 6.1, 7.7, 10.5 W/ft  
 2. FLEX-PCB to be shipped in 16ft reels, FLEX-T-PCB shipped per foot w/ factory connections.  
 3. Channel ships in 3.2FT, unless otherwise requested. Contractor to assemble in the field w/ LED strip.



### COB

Example: 16-FLEX-COB-PH1-3.0-30

| Length   | LED Stock Code                       | Series |              | Output |           | Color. |        |   |       |
|--|--------------------------------------|--------|--------------|--------|-----------|--------|--------|---|-------|
|  |                                      | COB    | Indoor IP40  | 3.0    | 304 lm/ft | 27     | 2700K  | R | Red   |
| <b>16</b><br><small>NOTE: Refer to Max Run lengths. If total exceeds, you will receive multiple pieces. Example: 30 ft = (2) 15 ft</small> | <b>FLEX</b><br><b>FLEX LED Strip</b> | T-COB  | Outdoor IP67 | 4.5    | 457 lm/ft | 30     | 3000K  | G | Green |
|  |                                      |        |              | CU     | Custom    | 35     | 3500K  | B | Blue  |
|  |                                      |        |              | 40     | 4000K     | CU     | Custom |   |       |
|  |                                      |        |              | 65     | 6500K     |        |        |   |       |

**Notes:**  
 1. FLEX-COB to be shipped in 16ft reels, FLEX-T-COB shipped per foot w/ factory connections  
 2. Channel ships in 3.2FT, unless otherwise requested. Contractor to assemble in the field w/ LED strip.



### R35 & R44

| Extrusion |                       | Color |        | Lens |             |
|-----------|-----------------------|-------|--------|------|-------------|
| R35       | Slim Recessed 1.38 in | S     | Silver | D    | Diffused    |
| R44       | Slim Recessed 1.74 in | C     | Custom | CU   | Custom Lens |

**Notes:**  
 1. Channel ships in 3.2FT, unless otherwise requested.  
 2. Contractor to assemble in the field w/ LED strip. Consult factory for pre-installed if required.



## LEDSCAPE OUTDOOR POWER SUPPLY

The LEDscape Series of Constant Voltage Class 2 LED Drivers from offers both cETLus style enclosures. The enclosure has a built-in junction box on both the input and output. These drivers are IP68 and are suitable for all locations. With universal input voltage ranging from 120 to 277VAC, this series of drivers are designed for commercial, industrial and residential applications. Our 5in1 smooth flicker-free linear dimming down to 1% and a wide variety of compatible dimmers, including 0-10V, Magnetic and Low voltage.

### PRODUCT HIGHLIGHTS

- **INPUT VOLTAGE:** 120/277 V
- **OUTPUT VOLTAGE:** Variable 18-25V
- **INPUT FREQUENCY:** 50/60 HZ
- **OPERATING TEMP:** -13°F – 104°F
- **DEGREE OF PROTECTION (IP):** IP68
- **DIMMABLE:** to 1%
- **CLASS 2:** All sizes
- **LOAD REQUIREMENTS:** 10%

Note: If using outdoor, verify contractor use included water and moisture tight enclosure. Not direct burial rated.

### POWER AND CONNECTION DIAGRAM



**POWER SUPPLY** = Product Wattage X Length

24 Nominal supply voltage of LEDscape in Volt  
Recommended MAC output of power supply 80%

To calculate MAX run distance from Power Supply to LED reference power drop chart : [Here](#).

### CHARACTERISTICS

| Power            | Output Current | Efficien | Power Factor | Dimensions                   |
|------------------|----------------|----------|--------------|------------------------------|
| 30W              | 1250mA         | > 86%    | >0.95        | 7.50" L X 3.62" W X 1.65"H   |
| 60W              | 2600mA         | > 86%    | >0.95        | 7.50" L X 3.62" W X 1.65"H   |
| 96W              | 4800mA         | > 86%    | >0.95        | 8.50" L X 3.66" W X 1.65"H   |
| 120W (2x60 watt) | 5000mA         | > 86%    | >0.93        | 10.15" L X 4.85" W X 1.65"H  |
| 192W (2x96 watt) | 8000mA         | > 86%    | >0.93        | 10.15" L X 4.85" W X 1.65"H  |
| 288W (3x96 watt) | 8000mA         | > 86%    | >0.93        | 12.44" L X 4.85" W X 1.65" H |
| 384W (4x96 watt) | 16000mA        | > 86%    | >0.93        | 12.44" L X 4.85" W X 1.65" H |

### ORDERING CHART

**NOTE:** View additional options [here](#).

**Ordering Example:** PS-24-O-D3-60-U

| Series |              | Output Voltage |     | Environment |                | Dimming |                | Wattage |               | Voltage Input |          |
|--------|--------------|----------------|-----|-------------|----------------|---------|----------------|---------|---------------|---------------|----------|
| PS     | Power supply | 24             | 24V | 0           | Outdoor/Indoor | ND      | Non Dimming    | 30      | 10-30W        | U             | 120/277V |
|        |              |                |     |             |                | D3      | 5 in 1 Dimming | 60      | 31-60W        |               |          |
|        |              |                |     |             |                |         |                | 96      | 61-96W        |               |          |
|        |              |                |     |             |                |         |                | 120     | 97-120W       |               |          |
|        |              |                |     |             |                |         |                | 192     | 121-192W      |               |          |
|        |              |                |     |             |                |         |                | 288     | 193-288W      |               |          |
|        |              |                |     |             |                |         |                | 384     | 289-384W      |               |          |
|        |              |                |     |             |                |         |                | CU      | Custom Output |               |          |

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