

# NPRETCB-E

## LED Troffer Center Basket Retrofit Series

Source: 30W to 40W LED

3000lm to 4000lm

Type

Project

Catalog No.

Notes

### PRODUCT DESCRIPTION

Specification grade LED center basket troffer retrofit provides smooth and uniform general lighting for commercial and industrial applications. The shallow design and easy access quick connect, make the luminaire a quick replacement. The troffer's performance is suitable for office, school, retail, hospital and hospitality applications.

### FEATURES

- Quickly retrofit existing fluorescent troffers without ceiling access
- Efficient luminaires produce up to 100 lumens per watt
- 30000 or 4000lm LED packages
- 3500K or 4000K @ 85 CRI
- 5-year limited warranty
- DLC Listed
- Integral 0-10V dimmable driver

### SPECIFICATION

**Housing:** Die form steel powder coated in matte white reflective surface for soft uniform reflectance. Enclosed driver compartment is easily accessible from below via a hinged LED platform.

**Lens:** Polycarbonate diffused white lens evenly distributes light and maximizes performance. Diffused lens reduces glare and offers more balanced lighting, eliminating shadowy cave effects caused by parabolics.

**Optics:** Polycarbonate diffused white lens evenly distributes light and maximizes performance.

**Retrofit:** Easily retrofit existing fluorescent troffers with the latest LED technology and modern look. Each luminaire includes (2) white mounting brackets to use with existing troffer bodies. Using existing body eliminates debris and ceiling access for easy clean up and installation.

### ELECTRICAL

#### Delivered Lumens / Wattage:

**L30** = 3449lm / 30W

**L40** = 4000lm / 40W

**Color Temperature:** 3500K or 4000K

**CRI:** 85 CRI

**Operating Temp.:** 0°C to 45°C ambient temperature

**Dimming:** 0-10V dimming

[Click Here](#) or check complete dimmer list at [www.NoraLighting.com](http://www.NoraLighting.com) in the "Compatibility" page under "Resources" tab

### LABELS AND LISTINGS

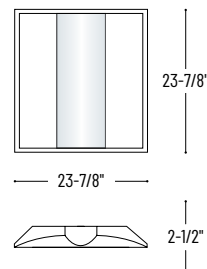
- cULus Listed for Damp Locations
- DLC Listed
- 5-Year Limited Warranty
- RoHS compliant



### PRODUCT IMAGES AND DIMENSIONS

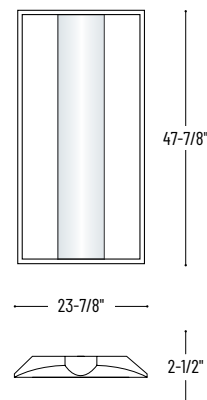
#### NPRETCB-E22

PATENT  
No. 9,206,948



#### NPRETCB-E24

PATENT  
No. 9,206,948



### LED Troffer Retrofit Series

| Series                   | Size / Lumens / Wattage               | Color Temp.       | Finish           |
|--------------------------|---------------------------------------|-------------------|------------------|
| NPRETCB-E = LED Retrofit | <b>22L30</b> = 2' x 2' / 3000lm / 30W | <b>35</b> = 3500K | <b>W</b> = White |
|                          | <b>24L40</b> = 2' x 4' / 4000lm / 40W | <b>40</b> = 4000K |                  |

Example: **NPRETCB-E22L3035W** = 2' x 2' LED Troffer Retrofit, 3000lm / 30W, 3500K, White Finish

# NPRETCB-E

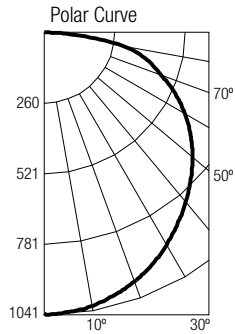
## LED Troffer Center Basket Retrofit Series

### Photometrics

|             |  |
|-------------|--|
| Type        |  |
| Project     |  |
| Catalog No. |  |
| Notes       |  |

#### Test Information

Test Number: 12181268.01  
 Part Number: NPRETCB-E22L3035W  
 Lumens: 3281lm  
 Wattage: 28W  
 Efficacy: 118 lpw  
 CCT / CRI: 3500K / 90 CRI  
 Spacing Criteria (0°-180): 1.24  
 Spacing Criteria (90°-270): 1.30



#### Zonal Lumen Summary

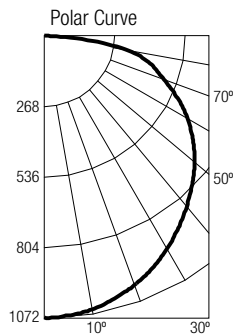
| Zone   | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30   | 806    | 24.6        |
| 0-40   | 1327   | 40.4        |
| 0-60   | 2408   | 73.4        |
| 0-90   | 3281   | 100         |
| 90-180 | 0      | 0           |
| 0-180  | 3281   | 100         |

#### Coefficient of Utilization (floor reflectance is 20%)

| Room Cavity Ratio | Ceiling | 80% |     |     | 70% |     |     | 50% |     |     |
|-------------------|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|                   | Wall    | 70% | 50% | 30% | 50% | 30% | 10% | 50% | 30% | 10% |
| 0                 | 119     | 119 | 119 | 116 | 116 | 116 | 111 | 111 | 111 | 111 |
| 1                 | 107     | 102 | 97  | 100 | 95  | 92  | 96  | 92  | 89  | 89  |
| 2                 | 97      | 88  | 81  | 86  | 79  | 73  | 82  | 77  | 72  | 72  |
| 3                 | 88      | 77  | 68  | 75  | 67  | 60  | 72  | 65  | 59  | 59  |
| 4                 | 80      | 68  | 58  | 66  | 58  | 51  | 64  | 56  | 50  | 50  |
| 5                 | 74      | 60  | 51  | 59  | 50  | 44  | 57  | 49  | 43  | 43  |
| 6                 | 68      | 54  | 45  | 53  | 44  | 38  | 51  | 43  | 37  | 37  |
| 7                 | 63      | 49  | 40  | 48  | 39  | 33  | 46  | 39  | 33  | 33  |
| 8                 | 59      | 45  | 36  | 44  | 35  | 30  | 42  | 35  | 29  | 29  |
| 9                 | 55      | 41  | 32  | 40  | 32  | 27  | 39  | 32  | 26  | 26  |
| 10                | 51      | 38  | 30  | 37  | 29  | 24  | 36  | 29  | 24  | 24  |

#### Test Information

Test Number: 12181268.04  
 Part Number: NPRETCB-E24L3035W  
 Lumens: 3449lm  
 Wattage: 28W  
 Efficacy: 122 lpw  
 CCT / CRI: 3500K / 90 CRI  
 Spacing Criteria (0°-180): 1.26  
 Spacing Criteria (90°-270): 1.32



#### Zonal Lumen Summary

| Zone   | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30   | 833    | 24.2        |
| 0-40   | 1373   | 39.8        |
| 0-60   | 2505   | 72.6        |
| 0-90   | 3449   | 100         |
| 90-180 | 0      | 0           |
| 0-180  | 3449   | 100         |

#### Coefficient of Utilization (floor reflectance is 20%)

| Room Cavity Ratio | Ceiling | 80% |     |     | 70% |     |     | 50% |     |     |
|-------------------|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|                   | Wall    | 70% | 50% | 30% | 50% | 30% | 10% | 50% | 30% | 10% |
| 0                 | 119     | 119 | 119 | 116 | 116 | 116 | 111 | 111 | 111 | 111 |
| 1                 | 107     | 102 | 97  | 100 | 95  | 91  | 95  | 92  | 88  | 88  |
| 2                 | 97      | 88  | 80  | 86  | 79  | 73  | 82  | 76  | 71  | 71  |
| 3                 | 88      | 76  | 68  | 75  | 67  | 60  | 72  | 65  | 59  | 59  |
| 4                 | 80      | 67  | 58  | 66  | 57  | 50  | 63  | 56  | 50  | 50  |
| 5                 | 73      | 60  | 50  | 59  | 50  | 43  | 56  | 49  | 43  | 43  |
| 6                 | 68      | 54  | 44  | 53  | 44  | 37  | 51  | 43  | 37  | 37  |
| 7                 | 63      | 49  | 39  | 48  | 39  | 33  | 46  | 38  | 33  | 33  |
| 8                 | 58      | 44  | 35  | 44  | 35  | 29  | 42  | 35  | 29  | 29  |
| 9                 | 54      | 41  | 32  | 40  | 32  | 26  | 39  | 31  | 26  | 26  |
| 10                | 51      | 37  | 29  | 37  | 29  | 24  | 36  | 29  | 24  | 24  |