

“INFINI 2” T8-T5 RETRO with G5 pins (Model T8RCI2)

FEATURES:

- Direct 1:1 replacement of fluorescent 14W~54W T5 with no modification of lamp holder or fixture
- Designed for heavy duty industrial and commercial applications
- High efficiency: >125 lm/W
- Samsung LED (LM80)
- Wide input voltage range (90-305Vac) for protection against voltage fluctuation
- 2.5kV surge protection for protection against transient voltage
- 50,000 hours design life
- TIS Certified (Thailand)
- Applications: factories, warehouse, parking lots, shopping malls, etc



TIS 1955-2551



SAMSUNG LED

SPECIFICATIONS:

| Model Number | T8RCI2-90 | T8RCI2-180 | T8RCI2-230 | T8RCI2-250 | T8RCI2-300 |
|-------------------------|--|------------|--|------------|------------|
| System Power | 9W | 18W | 23W | 25W | 30W |
| LED Packages | Samsung LED | | | | |
| Color Temperature | 2700K, 3000K, 4000K, 5000K, 5700K, 6500K | | | | |
| CRI | >80 Ra | | | | |
| Luminous Flux | 1100 lm | 2250 lm | 2850 lm | 3100 lm | 3750 lm |
| Input Voltage | 90-305 Vac, 50/60 Hz | | | | |
| Surge Protection | > 2.5 kV | | | | |
| Power Factor | > 0.95 | | | | |
| Power Supply Efficiency | > 90% | | | | |
| Operating Temperature | -20°C ~ +40°C | | | | |
| Dimming | Non-dimmable | | | | |
| Beam Angle | 140 Degrees | | | | |
| Design Life | 50,000 hours | | | | |
| Housing Material | Aluminum | | | | |
| Diffuser Material | Polycarbonate (frost/clear) | | | | |
| Product Size | φ26 x 549 mm (c-c) L564 mm (p-p) | | φ26 x L1149 mm (cap to cap), L1164 mm (pin to pin) | | |
| Lamp Base | G5 | | | | |
| Net Weight | 165g | 270g | | | |
| Packaging Size (mm) | 590x215x215 | | 1190 x 215 x 215 | | |
| Quantity / Carton | 25 pcs | | | | |
| Gross Weight (25 pcs) | 4.5kg | 7kg | | | |

REVISION: 3

Title: CLARO “INFINI 2” T8-T5 RETRO – INDUSTRIAL GRADE

Model: T8RCI2

SHEET No: 1 of 4

Date: 2018.03.11

Version: 2.1

“INFINI 2” T8-T5 RETRO with G5 pins (Model T8RCI2)

PRODUCT PHOTO:



TIS 1955-2551

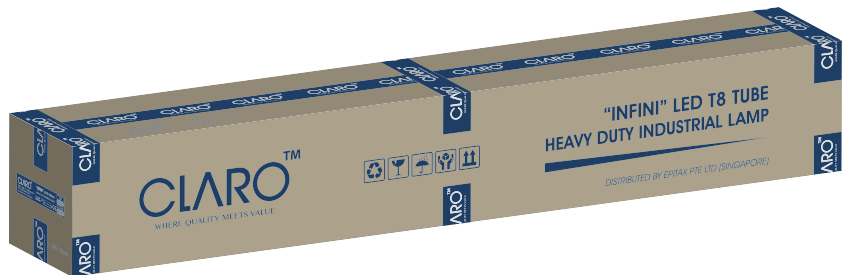


ORDERING INFORMATION: e.g., T8RCI2-18065N-G5

| Series | Wattage | CCT | Dimming | Lamp Base |
|-------------------------------------|---------|-----|----------------|------------|
| T8RCI2 “INFINI 2” T8-T5 Retro | 90 | 9W | N Non-dimmable | G5 G5 base |
| | 180 | 18W | | |
| | 230 | 23W | D Dimmable | |
| | 250 | 25W | | |
| | 300 | 30W | | |
| | | | | |
| | | 27 | 2700K | |
| | | 30 | 3000K | |
| | | 40 | 4000K | |
| | | 50 | 5000K | |
| | | 57 | 5700K | |
| | | 65 | 6500K | |

PACKAGING:

Shipping Carton (25 pcs)
Size: 1190 x 215 x 215 mm
590 x 215 x 215 mm



REVISION: 3

Title: CLARO “INFINI 2” T8-T5 RETRO – INDUSTRIAL GRADE

Model: T8RCI2

SHEET No: 2 of 4

Date: 2018.03.11

Version: 2.1

“INFINI 2” T8-T5 RETRO with G5 pins (Model T8RCI2)



TIS 1955-2551

PHOTOMETRIC TEST REPORT*: 18W

Filename: T8RCI2-180 (T8-T5 retro)

Manufacturer: EPITAX PTE LTD (SINGAPORE)

Luminaire: CLARO “INFINI 2” T8-T5 RETRO 18W

Luminaire Cat: 18W LED T8-T RETRO

Lamp: T8RCI2-18065N-80140-12T5-G5

Lamp Output: Total luminaire Lumens: 2201.8

Max Candela: 636.8 at Horizontal: 135°, Vertical: 0°

Input Wattage: 17.9

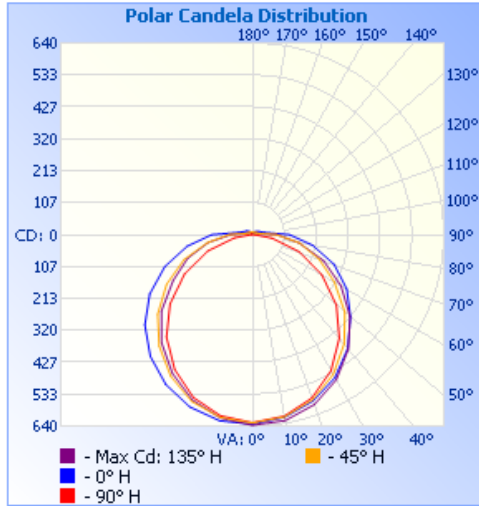
Luminous Opening: Rectangle w/Luminous Sides (L: 1.2M, W: 0.03M, H: 0.03M)

Test Date: 2017-09-20

Photometry : Type C

Cutoff Class: Noncutoff

Nema Type: 7 X 7

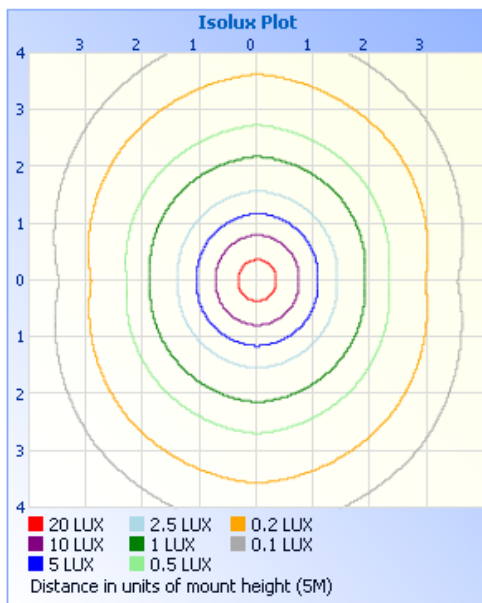


Flood Summary

| | Efficiency | Lumens | Horizontal Spread | Vertical Spread |
|--------------|------------|---------|-------------------|-----------------|
| Field (10%): | 95.4% | 2,101.5 | 160.4 | 195 |
| Beam (50%): | 69.1% | 1,521.1 | 109.7 | 134.8 |
| Total: | 100.1% | 2,203.6 | | |

Zonal Lumen Summary

| Zone | Lumens | % Luminaire |
|--------|---------|-------------|
| 0-30 | 492.8 | 22.4% |
| 0-40 | 814.1 | 37% |
| 0-60 | 1,484.0 | 67.4% |
| 60-90 | 597.8 | 27.2% |
| 70-100 | 373.5 | 17% |
| 90-120 | 88.2 | 4% |
| 0-90 | 2,081.8 | 94.6% |
| 90-180 | 119.9 | 5.4% |
| 0-180 | 2,201.8 | 100% |



Illuminance at a Distance

| | Center Beam LUX | Beam Width |
|-------|-----------------|-----------------|
| 0.83M | 915 LUX | 4.00 M 2.36 M |
| 1.67M | 228 LUX | 8.01 M 4.74 M |
| 2.50M | 101 LUX | 12.01 M 7.10 M |
| 3.33M | 57.0 LUX | 16.02 M 9.47 M |
| 4.17M | 36.5 LUX | 20.02 M 11.83 M |
| 5.00M | 25.3 LUX | 24.01 M 14.20 M |

Vert. Spread: 134.8°
Horiz. Spread: 109.7°

*Photometric results of only 18W and 23W are presented. Test results of other wattages are available upon request.

“INFINI 2” T8-T5 RETRO with G5 pins (Model T8RCI2)

PHOTOMETRIC TEST REPORT*: 23W



TIS 1955-2551

Filename: T8RCI2-230 (T8-T5 retro)

Manufacturer: EPITAX PTE LTD (SINGAPORE)

Luminaire: CLARO “INFINI 2” T8-T5 RETRO 23W

Luminaire Cat: 23W LED T8

Lamp: T8RCI2-23065N-80140-12T5-G5

Lamp Output: Total luminaire Lumens: 2812

Max Candela: 813.2 at Horizontal: 135°, Vertical: 0°

Input Wattage: 22.5

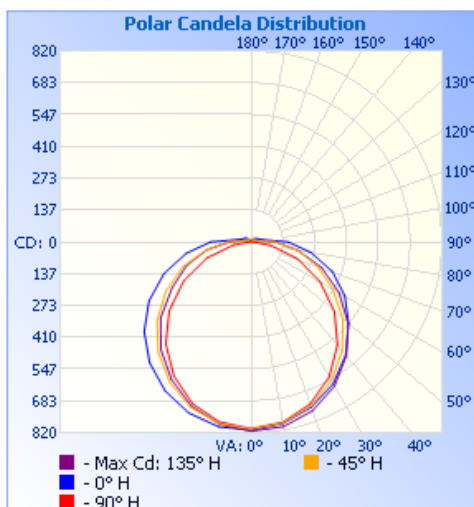
Luminous Opening: Rectangle w/Luminous Sides (L: 1.2M, W: 0.03M, H: 0.03M)

Test Date: 2017-09-20

Photometry : Type C

Cutoff Class: Noncutoff

Nema Type: 7 X 7

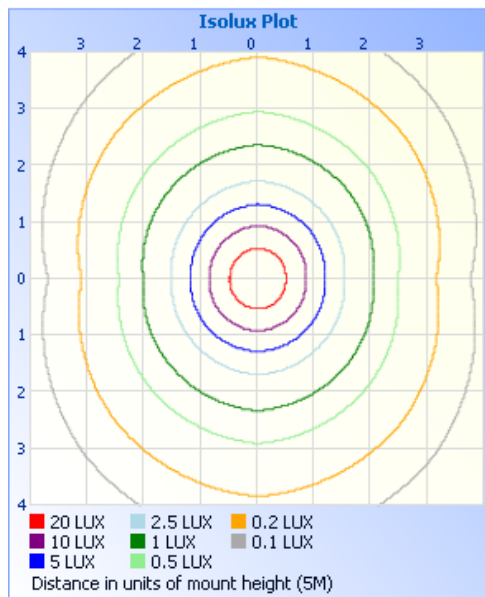


Flood Summary

| | Efficiency | Lumens | Horizontal Spread | Vertical Spread |
|---------------|---------------|----------------|-------------------|-----------------|
| Field (10%): | 95.4% | 2,684.0 | 160.4 | 195 |
| Beam (50%): | 69.1% | 1,942.7 | 109.7 | 134.8 |
| Total: | 100.1% | 2,814.3 | | |

Zonal Lumen Summary

| Zone | Lumens | % Luminaire |
|--------|---------|-------------|
| 0-30 | 629.4 | 22.4% |
| 0-40 | 1,039.7 | 37% |
| 0-60 | 1,895.3 | 67.4% |
| 60-90 | 763.5 | 27.2% |
| 70-100 | 477.0 | 17% |
| 90-120 | 112.7 | 4% |
| 0-90 | 2,658.8 | 94.6% |
| 90-180 | 153.2 | 5.4% |
| 0-180 | 2,812.0 | 100% |



Illuminance at a Distance

| | Center Beam LUX | Beam Width | |
|-------|------------------|----------------|----------------|
| 0.83M | 1,168 LUX | 4.00 M | 2.36 M |
| 1.67M | 291 LUX | 8.01 M | 4.74 M |
| 2.50M | 129 LUX | 12.01 M | 7.10 M |
| 3.33M | 72.7 LUX | 16.02 M | 9.47 M |
| 4.17M | 46.6 LUX | 20.02 M | 11.83 M |
| 5.00M | 32.4 LUX | 24.01 M | 14.20 M |

■ Vert. Spread: 134.8°
■ Horiz. Spread: 109.7°

*Photometric results of only 18W and 23W are presented. Test results of other wattages are available upon request.