

Lichttechnischer Prüfbefund

Familie
Trunking Flex 31

Bestell-Nr.: 51RE12DB49B
EAN: 4058352794609

LP-Nummer
59302_53



Ausführung primäre Lichtlenkung mit Linse, klar, PMMA, breit strahlend

Bestückung LED 4000 K | CRI ≥ 80

Betriebsgerät EVG-DALI

Bemessungswerte Nettolichtstrom = 8900 lm
Systemleistung = 56.0 W
Lichtausbeute = 158.9 lm/W

Seriendokumentation
27.03.2024

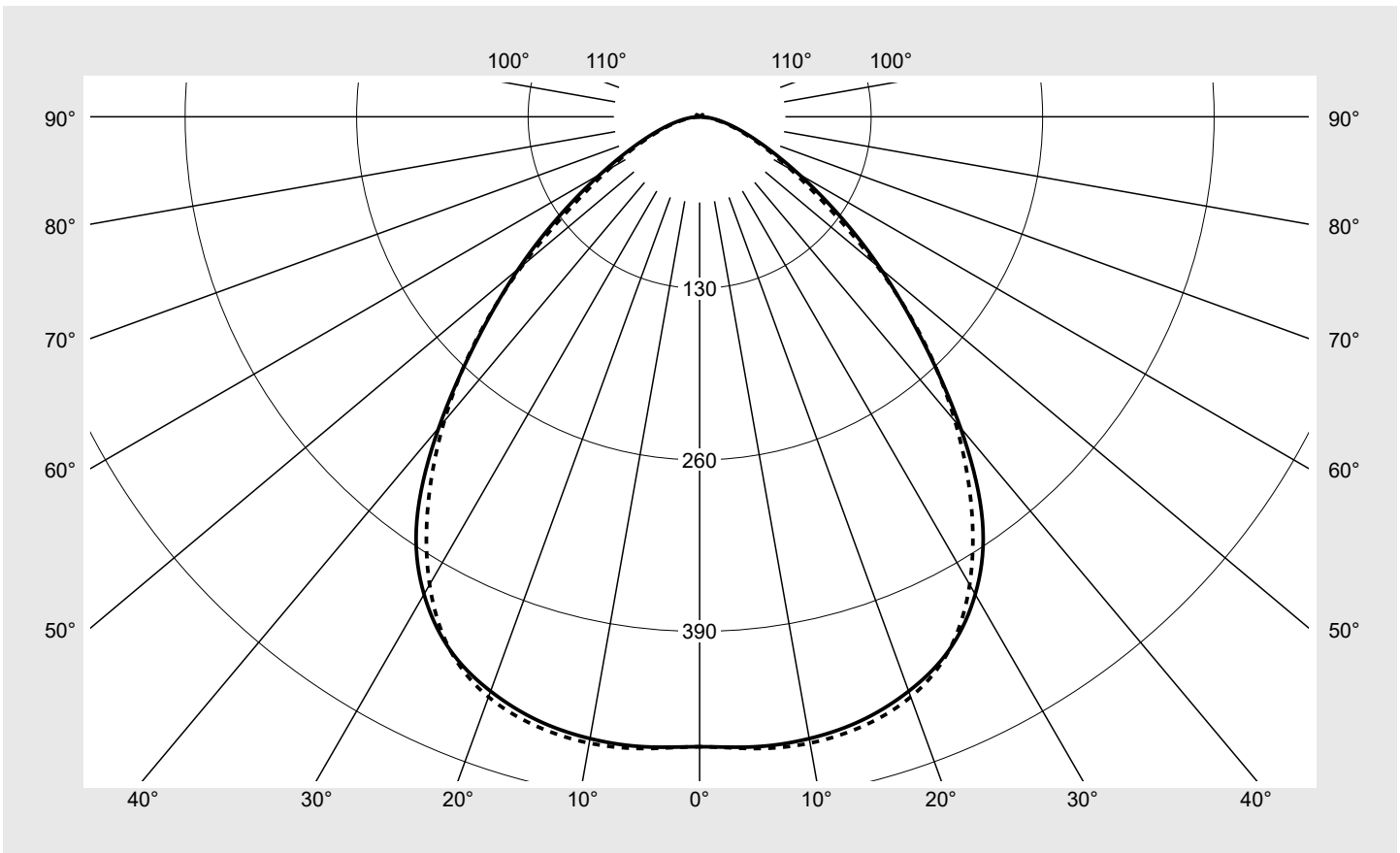
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Lichtstärke in cd/klm

C180-0

C270-90

Imax: 482 cd/klm



Klassifizierungen

DIN 5040 A 5 2
CIE N1=64 N2=91 N3=98
N4=99 N5=100

Leuchtenbetriebswirkungsgrade

η_{LB} 100,0%
 ϕ_u 99,1%
 ϕ_o 0,9%

Messbedingungen

DIN EN 13032 und DIN 5032

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| | | |
|------------------------------------|--|------------------------------|
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| Wertetabelle Lichtstärkemessung | Maximale Lichtstärke |
|--|-----------------------------|

| C- Ebenen | 0° 180° | 15° | 30° | 45° | 60° | 75° | 90° 270° | Phi-Zone | Summe Phi-Zone |
|-----------------------|------------|----------------------|----------------------|----------------------|----------------------|----------------------|-------------|----------------------|-------------------|
| | | 165° 195° 345° | 150° 210° 330° | 135° 225° 315° | 120° 240° 300° | 105° 255° 285° | | | |
| Lichtstärke in cd/klm | | | | | | | | Lichtstrom in lm/klm | |
| γ | | | | | | | | | |
| 0° | 477.4 | 477.4 | 477.4 | 477.4 | 477.4 | 477.4 | 477.4 | 2.9 | 2.9 |
| 5° | 479.2 | 479.4 | 476.1 | 476.9 | 477.7 | 479.1 | 480.6 | 22.8 | 25.7 |
| 10° | 478.5 | 478.8 | 475.9 | 476.7 | 478.1 | 479.7 | 481.9 | 45.5 | 71.2 |
| 15° | 473.7 | 474.6 | 472.3 | 472.8 | 474.3 | 476.3 | 478.1 | 67.3 | 138.5 |
| 20° | 463.3 | 464.4 | 462.2 | 462.5 | 463.5 | 465.9 | 467.9 | 87.0 | 225.5 |
| 25° | 446.5 | 446.1 | 441.7 | 442.3 | 444.6 | 445.0 | 446.7 | 102.9 | 328.5 |
| 30° | 417.9 | 412.9 | 407.0 | 410.2 | 413.2 | 410.4 | 409.4 | 112.7 | 441.2 |
| 35° | 373.8 | 365.6 | 358.8 | 365.1 | 368.4 | 362.5 | 359.0 | 114.6 | 555.7 |
| 40° | 307.6 | 307.1 | 302.9 | 303.0 | 299.1 | 300.3 | 301.2 | 106.7 | 662.4 |
| 45° | 238.0 | 232.2 | 241.2 | 229.3 | 232.4 | 226.8 | 239.9 | 90.5 | 752.9 |
| 50° | 179.0 | 175.4 | 175.4 | 172.2 | 173.6 | 171.0 | 175.3 | 73.1 | 826.0 |
| 55° | 127.6 | 127.0 | 119.9 | 124.4 | 123.4 | 123.3 | 117.8 | 55.4 | 881.5 |
| 60° | 86.5 | 87.3 | 81.4 | 85.4 | 84.1 | 84.7 | 79.6 | 40.0 | 921.5 |
| 65° | 57.4 | 58.2 | 54.6 | 57.2 | 56.0 | 56.8 | 53.2 | 28.0 | 949.5 |
| 70° | 37.6 | 37.8 | 35.9 | 37.4 | 36.6 | 36.7 | 34.5 | 18.9 | 968.4 |
| 75° | 23.7 | 23.8 | 22.9 | 23.5 | 22.9 | 22.8 | 21.3 | 12.2 | 980.6 |
| 80° | 13.7 | 13.5 | 13.1 | 13.2 | 12.8 | 12.3 | 11.3 | 7.0 | 987.6 |
| 85° | 6.4 | 6.2 | 5.9 | 5.7 | 5.2 | 4.6 | 4.0 | 3.0 | 990.6 |
| 90° | 2.2 | 2.1 | 2.0 | 1.7 | 1.4 | 1.0 | 0.6 | 0.9 | 991.5 |
| 95° | 1.8 | 1.7 | 1.7 | 1.5 | 1.2 | 0.8 | 0.5 | 0.7 | 992.2 |
| 100° | 2.3 | 2.3 | 2.1 | 1.7 | 1.3 | 0.8 | 0.5 | 0.9 | 993.0 |
| 105° | 2.1 | 2.1 | 2.0 | 1.7 | 1.3 | 0.7 | 0.5 | 0.8 | 993.9 |
| 110° | 2.3 | 2.3 | 2.0 | 1.7 | 1.2 | 0.6 | 0.4 | 0.8 | 994.6 |
| 115° | 2.2 | 2.1 | 1.9 | 1.7 | 1.1 | 0.7 | 0.5 | 0.7 | 995.4 |
| 120° | 2.3 | 2.0 | 1.7 | 1.5 | 1.1 | 0.7 | 0.7 | 0.7 | 996.0 |
| 125° | 2.7 | 2.1 | 1.8 | 1.4 | 1.0 | 0.7 | 0.7 | 0.7 | 996.7 |
| 130° | 2.0 | 1.9 | 2.0 | 1.4 | 1.1 | 0.9 | 0.9 | 0.6 | 997.3 |
| 135° | 2.0 | 1.9 | 1.8 | 1.5 | 1.2 | 1.2 | 1.2 | 0.6 | 997.9 |
| 140° | 2.0 | 2.0 | 1.8 | 1.6 | 1.4 | 1.4 | 1.4 | 0.6 | 998.5 |
| 145° | 2.1 | 2.0 | 1.9 | 1.7 | 1.6 | 1.6 | 1.6 | 0.6 | 999.1 |
| 150° | 2.1 | 2.1 | 1.9 | 1.8 | 1.8 | 1.8 | 1.8 | 0.5 | 999.6 |
| 155° | 1.9 | 1.9 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 0.4 | 1000.0 |
| 160° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1000.0 |
| 165° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1000.0 |
| 170° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1000.0 |
| 175° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1000.0 |
| 180° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1000.0 |

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| UGR-Tabelle | | Standardraum | | | | | | | | | |
|----------------------|-----------|-------------------------------------|------|------|------|------|---------------------------------------|------|------|------|------|
| Raumabmessungen | | Blickrichtung quer zur Leuchte (C0) | | | | | Blickrichtung längs zur Leuchte (C90) | | | | |
| x | y | | | | | | | | | | |
| Reflexionsgrad Decke | 0,7 | 0,7 | 0,5 | 0,5 | 0,3 | 0,7 | 0,7 | 0,5 | 0,5 | 0,3 | |
| Reflexionsgrad Wände | 0,5 | 0,3 | 0,5 | 0,3 | 0,3 | 0,5 | 0,3 | 0,5 | 0,3 | 0,3 | |
| Reflexionsgrad Boden | 0,2 | 0,2 | 0,2 | 0,2 | 0,2 | 0,2 | 0,2 | 0,2 | 0,2 | 0,2 | |
| 2H | 2H | 22,4 | 23,9 | 22,7 | 24,2 | 24,5 | 22,4 | 23,9 | 22,8 | 24,2 | 24,6 |
| | 3H | 22,8 | 24,2 | 23,2 | 24,5 | 24,9 | 22,9 | 24,3 | 23,3 | 24,6 | 25,0 |
| | 4H | 23,0 | 24,2 | 23,4 | 24,6 | 25,0 | 23,1 | 24,3 | 23,5 | 24,7 | 25,1 |
| | 6H | 23,1 | 24,2 | 23,5 | 24,6 | 25,0 | 23,2 | 24,3 | 23,6 | 24,7 | 25,1 |
| | 8H | 23,2 | 24,2 | 23,6 | 24,6 | 25,0 | 23,2 | 24,3 | 23,7 | 24,7 | 25,1 |
| | 12H | 23,2 | 24,1 | 23,6 | 24,5 | 25,0 | 23,2 | 24,2 | 23,7 | 24,6 | 25,0 |
| 4H | 2H | 22,6 | 23,9 | 23,0 | 24,2 | 24,6 | 22,7 | 23,9 | 23,1 | 24,3 | 24,7 |
| | 3H | 23,2 | 24,3 | 23,6 | 24,6 | 25,1 | 23,3 | 24,3 | 23,7 | 24,7 | 25,1 |
| | 4H | 23,4 | 24,4 | 23,9 | 24,8 | 25,2 | 23,5 | 24,5 | 24,0 | 24,9 | 25,3 |
| | 6H | 23,6 | 24,4 | 24,0 | 24,8 | 25,3 | 23,7 | 24,5 | 24,1 | 24,9 | 25,4 |
| | 8H | 23,6 | 24,4 | 24,1 | 24,8 | 25,3 | 23,7 | 24,5 | 24,2 | 24,9 | 25,4 |
| | 12H | 23,7 | 24,3 | 24,2 | 24,8 | 25,3 | 23,8 | 24,4 | 24,2 | 24,8 | 25,3 |
| 8H | 4H | 23,5 | 24,2 | 24,0 | 24,7 | 25,1 | 23,6 | 24,3 | 24,1 | 24,8 | 25,2 |
| | 6H | 23,7 | 24,3 | 24,2 | 24,8 | 25,3 | 23,8 | 24,4 | 24,3 | 24,9 | 25,4 |
| | 8H | 23,8 | 24,3 | 24,3 | 24,8 | 25,3 | 23,9 | 24,4 | 24,4 | 24,9 | 25,4 |
| | 12H | 23,8 | 24,3 | 24,3 | 24,8 | 25,3 | 23,9 | 24,3 | 24,4 | 24,8 | 25,4 |
| 12H | 4H | 23,5 | 24,1 | 24,0 | 24,6 | 25,1 | 23,6 | 24,2 | 24,1 | 24,7 | 25,2 |
| | 6H | 23,7 | 24,2 | 24,2 | 24,7 | 25,2 | 23,8 | 24,3 | 24,3 | 24,8 | 25,3 |
| | 8H | 23,8 | 24,2 | 24,3 | 24,7 | 25,3 | 23,9 | 24,3 | 24,4 | 24,8 | 25,4 |

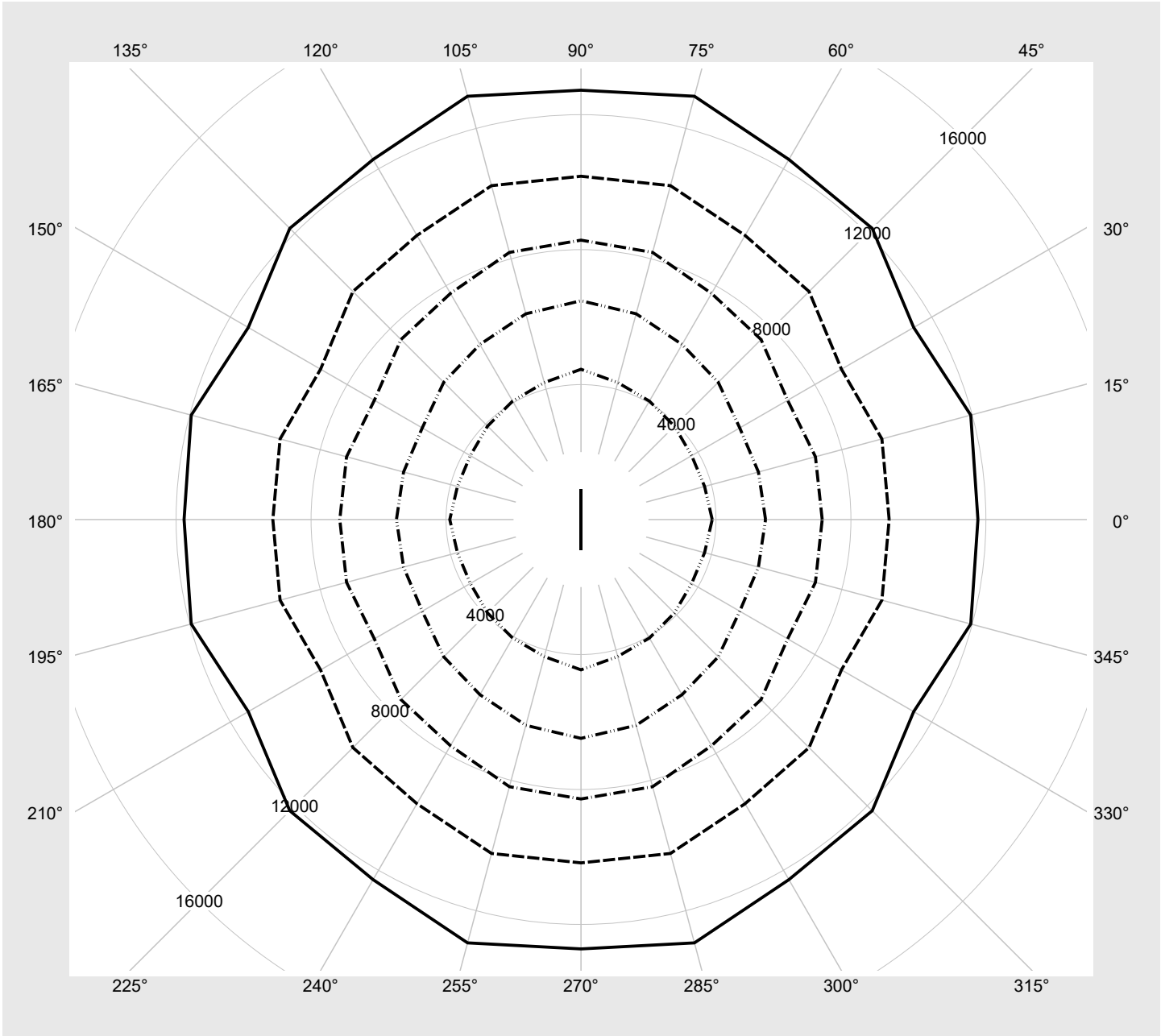
| | | | |
|--|---|------------|-------------|
| Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$ | Lichttechnische Abmessungen in mm: L = 1433 B = 61 | H(C0) = 5 | H(C180) = 5 |
| | | H(C90) = 5 | H(C270) = 5 |

| C- Ebenen | γ | Leuchtdichte in cd/m ² | | | | | | |
|-----------|----------|-----------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-------------|
| | | 0° 180° | 15° 165° 195° 345° | 30° 150° 210° 330° | 45° 135° 225° 315° | 60° 120° 240° 300° | 75° 105° 255° 285° | 90° 270° |
| 45° | | 31669.1 | 30961.1 | 32373.2 | 31137.6 | 32052.1 | 31871.1 | 34424.7 |
| 50° | | 25834.9 | 25363.4 | 25570.6 | 25446.7 | 26127.0 | 26322.1 | 27646.0 |
| 55° | | 20280.8 | 20231.8 | 19279.0 | 20326.8 | 20611.3 | 21143.9 | 20805.4 |
| 60° | | 15430.3 | 15617.6 | 14727.3 | 15743.9 | 15914.2 | 16544.3 | 16116.5 |
| 65° | | 11764.1 | 11959.0 | 11385.9 | 12206.1 | 12323.5 | 12989.3 | 12725.8 |
| 70° | | 9133.0 | 9232.9 | 8913.1 | 9559.8 | 9724.7 | 10245.6 | 10175.7 |
| 75° | | 7148.6 | 7193.5 | 7071.7 | 7546.6 | 7739.1 | 8197.4 | 8281.5 |
| 80° | | 5469.6 | 5444.2 | 5433.0 | 5753.3 | 5992.0 | 6314.0 | 6484.9 |
| 85° | | 3889.0 | 3792.0 | 3787.9 | 3916.4 | 4054.2 | 4204.0 | 4454.3 |

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Leuchtdichten in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85° **siteco**



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| Multilumen-Tabelle | Umgebungstemperatur: 25°C | sITeco |
|---------------------------|---------------------------|---------------|

| DIP-Stufe | Schalterstellung | | | | Lichtstrom [lm] | Systemleistung [W] |
|-----------|------------------|-----|-----|-----|--------------------|-----------------------|
| | 1 | 2 | 3 | 4 | | |
| 2 | OFF | ON | OFF | OFF | 8900 | 56.0 |
| 3 | ON | ON | OFF | OFF | 8500 | 54.0 |
| 4 | OFF | OFF | ON | OFF | 8200 | 52.0 |
| 5 | ON | OFF | ON | OFF | 8000 | 50.0 |
| 6 | OFF | ON | ON | OFF | 7700 | 48.0 |
| 7 | ON | ON | ON | OFF | 7400 | 46.0 |
| 8 | OFF | OFF | OFF | ON | 7100 | 44.0 |
| 9 | ON | OFF | OFF | ON | 6800 | 42.0 |
| 10 | OFF | ON | OFF | ON | 6500 | 40.0 |
| 11 | ON | ON | OFF | ON | 6100 | 38.0 |
| 12 | OFF | OFF | ON | ON | 5800 | 36.0 |
| 13 | ON | OFF | ON | ON | 5500 | 34.0 |
| 14 | OFF | ON | ON | ON | 5200 | 32.0 |
| 15 | ON | ON | ON | ON | 4900 | 30.0 |