

CorePro LEDlinear MV

CorePro LED linear R7S 118mm 14-100W 840 D

CorePro R7S is a retrofit replacement for traditional double-ended linear R7S lamps. Its 'light all around' design delivers light just like a halogen lamp. The deep dimming function enables a cozy ambience when using a dimmable fixture.

Product data

• General Information

| | |
|------------------------|------------|
| Cap-Base | R7S [R7s] |
| Bulb Shape | Linear |
| Nominal Lifetime (Nom) | 15000 h |
| Switching Cycle | 50000X |
| B50L70 | 15000 h |
| Technical Type | 14-100W |

• Light Technical

| | |
|---------------------------------------|---------------------------|
| Color Code | 840 [CCT of 4000K (841)] |
| Luminous Flux (Nom) | 1800 lm |
| Luminous Flux (Rated) (Nom) | 1800 lm |
| Color Designation | Cool White (CW) |
| Correlated Color Temperature (Nom) | 4000 K |
| Luminous Efficacy (rated) (Nom) | 128.57 lm/W |
| Color Consistency | <6 |
| Color Rendering Index (Nom) | 80 |
| LLMF At End Of Nominal Lifetime (Nom) | 70 % |

• Operating and Electrical

| | |
|---------------------|-------------|
| Input Frequency | 50 to 60 Hz |
| Power (Rated) (Nom) | 14 W |
| Lamp Current (Nom) | 74 mA |
| Wattage Equivalent | 100 W |
| Starting Time (Nom) | 0.5 s |

| | |
|---------------------------------|-----------|
| Warm Up Time To 60% Light (Nom) | 0.5 s |
| Power Factor (Nom) | 0.8 |
| Voltage (Nom) | 220-240 V |

• Temperature

| | |
|----------------------|-------|
| T-Case Maximum (Nom) | 90 °C |
|----------------------|-------|

• Controls and Dimming

| | |
|----------|-----|
| Dimmable | Yes |
|----------|-----|

• Approval and Application

| | |
|-------------------------------|--------|
| Energy Saving Product | Yes |
| Suitable For Accent Lighting | No |
| Energy Efficiency Label (EEL) | A++ |
| Energy Consumption kWh/1000 h | 14 kWh |

• Product Data

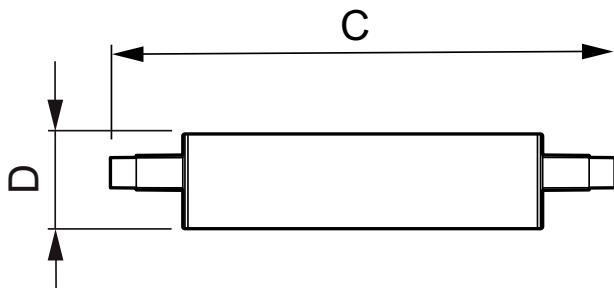
| | |
|---------------------------------|--|
| Full product code | 871869657881000 |
| Order product name | CorePro LED linear R7S 118mm 14-100W 840 D |
| EAN/UPC - Product | 8718696578810 |
| Order code | 929001243802 |
| Numerator - Quantity Per Pack | 1 |
| Numerator - Packs per outer box | 10 |
| Material Nr. (12NC) | 929001243802 |

PHILIPS

CorePro LEDlinear MV

Net Weight (Piece) 0.095 kg

Dimensional drawing



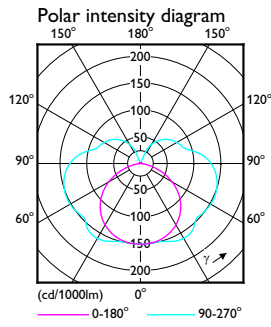
Linear 220V 15W-100W1500lm 4000K R7S Dim

| Product | D | C |
|--|-------|--------|
| CorePro LED linear R7S 118mm 14-100W 840 D | 29 mm | 118 mm |

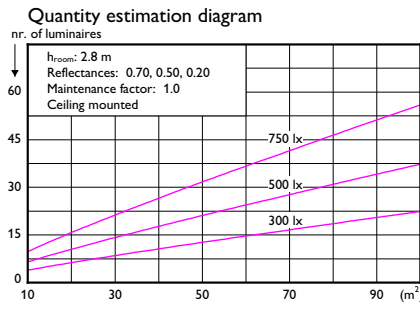
General Uniform Lighting

1 x R7S 14W4000K 250D 9290012438

1 x 1800 lm



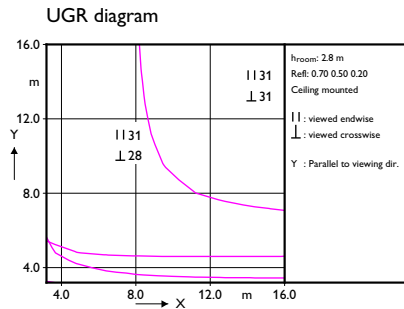
Light output ratio 1.00
 Service upward 0.28
 Service downward 0.72
 CIE flux code 32 58 81 72 100
 UGRcen (4Hx8H, 0.25H) 32



Utilisation factor table

| Room Index k | Reflectances (%) for ceiling, walls and working plane (CIE) | | | | | | | | | | | |
|--------------|---|------|------|------|------|------|------|------|------|------|------|------|
| | 0.80 | 0.80 | 0.70 | 0.70 | 0.70 | 0.70 | 0.50 | 0.50 | 0.30 | 0.30 | 0.00 | 0.00 |
| 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.30 | 0.30 | 0.10 | 0.10 | 0.30 | 0.10 | 0.00 | 0.00 |
| 0.30 | 0.10 | 0.30 | 0.20 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.00 | 0.00 |
| 0.60 | 0.38 | 0.37 | 0.37 | 0.36 | 0.35 | 0.27 | 0.25 | 0.20 | 0.23 | 0.19 | 0.15 | |
| 0.80 | 0.48 | 0.45 | 0.45 | 0.44 | 0.43 | 0.35 | 0.32 | 0.27 | 0.29 | 0.24 | 0.20 | |
| 1.00 | 0.55 | 0.51 | 0.52 | 0.50 | 0.49 | 0.41 | 0.37 | 0.32 | 0.34 | 0.29 | 0.24 | |
| 1.25 | 0.63 | 0.58 | 0.59 | 0.57 | 0.55 | 0.47 | 0.43 | 0.38 | 0.39 | 0.34 | 0.28 | |
| 1.50 | 0.69 | 0.63 | 0.65 | 0.62 | 0.60 | 0.52 | 0.47 | 0.42 | 0.43 | 0.39 | 0.32 | |
| 2.00 | 0.78 | 0.70 | 0.73 | 0.70 | 0.67 | 0.60 | 0.54 | 0.50 | 0.49 | 0.45 | 0.38 | |
| 2.50 | 0.85 | 0.75 | 0.79 | 0.75 | 0.71 | 0.65 | 0.59 | 0.55 | 0.54 | 0.50 | 0.42 | |
| 3.00 | 0.90 | 0.78 | 0.84 | 0.79 | 0.75 | 0.69 | 0.63 | 0.59 | 0.57 | 0.54 | 0.45 | |
| 4.00 | 0.96 | 0.83 | 0.90 | 0.84 | 0.79 | 0.75 | 0.68 | 0.65 | 0.62 | 0.59 | 0.50 | |
| 5.00 | 1.00 | 0.86 | 0.94 | 0.88 | 0.82 | 0.78 | 0.71 | 0.68 | 0.65 | 0.62 | 0.53 | |

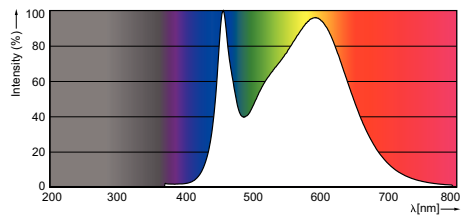
Ceiling mounted



Luminance Table

| Plane Corner | 0.0 | 15.0 | 30.0 | 45.0 | 60.0 | 75.0 | 90.0 |
|--------------|-------|-------|-------|-------|-------|-------|-------|
| 45.0 | 63240 | 57733 | 54868 | 54005 | 52315 | 52487 | 54498 |
| 50.0 | 59806 | 54322 | 51672 | 51074 | 50498 | 51789 | 55088 |
| 55.0 | 55501 | 50456 | 48287 | 48129 | 49019 | 51742 | 56583 |
| 60.0 | 50161 | 47605 | 47222 | 48513 | 49670 | 52804 | 58265 |
| 65.0 | 43375 | 44486 | 46433 | 49498 | 50692 | 54050 | 59970 |
| 70.0 | 35182 | 40980 | 45549 | 50485 | 51693 | 55273 | 61666 |
| 75.0 | 25324 | 37089 | 44530 | 51362 | 52659 | 56542 | 63521 |
| 80.0 | 14805 | 33553 | 43729 | 52211 | 53577 | 57769 | 65367 |
| 85.0 | 5722 | 31382 | 43392 | 52809 | 54333 | 58933 | 67288 |
| 90.0 | 987 | 31845 | 43994 | 53264 | 54923 | 59936 | 69100 |

2016-07-13



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2016, October 29
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