# E62/LED3N40S

**luminaire en saillie • linéaire**

Application : Bureaux, général, Secteur des soins de santé, général, Environnements difficiles

caisson: polycarbonate

source lumineuse : LED • 4000 K

optique : lentille linéaire • Polycarbonate (PC) • extensive

classification UGR : <=28

flux lumineux: 4000 lm

flux lumineux spécifique : 129 lm/W

LLMF: 99% @ 50khrs (Tq=25°C)

## Présentation du produit

### Caractéristiques mécaniques

dimensions : 1260 mm x 56 mm x 80 mm

dimensions encastrées : 90 mm

couleur: RAL7037 - gris poussière

type : luminaire individuel

IP: IP66

IK: IK07

température ambiante: -20°C - 35°C •

### Equipement électrique

driver: non gradable

puissance : 31 W

tension : 220-240V

fréquence : 50-60Hz AC

sécurité photobiologique : EN 62471: RISK GROUP 1 UNLIMITED

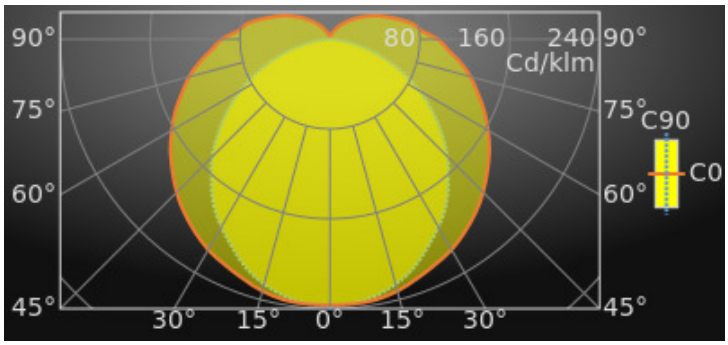
## Luminance

flux lumineux : 4000 lm

flux lumineux spécifique : 129 lm/W

classification UGR =: <=28

surface lumineuse : 0.06 m²




Average Luminances (Cd/m²) for 4000lm

| Gamma | C0 | C30 | C45 | C60 | C90 |
|---|---|---|---|---|---|
| 45° | 11036 | 10924 | 11001 | 11203 | 13187 |
| 50° | 10783 | 10649 | 10639 | 10749 | 12711 |
| 55° | 10598 | 10389 | 10273 | 10269 | 12219 |
| 60° | 10416 | 10171 | 9938 | 9825 | 11654 |
| 65° | 10308 | 9992 | 9695 | 9417 | 10934 |
| 70° | 10191 | 9853 | 9464 | 9024 | 9972 |
| 75° | 10240 | 9784 | 9326 | 8688 | 8746 |
| 80° | 10260 | 9855 | 9311 | 8483 | 6910 |
| 85° | 10309 | 9916 | 9331 | 8361 | 3748 |

## Classifications

CIE: 326 / 570 / 741 / 852 / 1000

CIE FLUXCODE : 0.38 / 0.67 / 0.87 / 0.85 / 1.00

BZ: BZ10/1.25/BZ5/1.5/BZ10

CAE: CAE 1/5°/CAE 2/75°/CAE 3

DIN: B30 (Nach Arbeitsblatt 7 und 8)

DIN_U: Phi u = 0.85

DIN_SU: Phi su = 0.46

UTE: 0.85 H + 0.15 T

Lifetime Data (Tq=25.0°C)

| Time(hrs) | LLMF(%) | Cx(%) |
|---|---|---|
| 10000 | 99 | 1 |
| 20000 | 99 | 2 |
| 30000 | 99 | 3 |
| 40000 | 99 | 4 |
| 50000 | 99 | 5 |
| 60000 | 98 | 6 |
| 70000 | 98* | 7 |
| 80000 | 98* | 8 |
| 90000 | 98* | 9 |
| 100000 | 98* | 9 |

## Intensités lumineuses en cd

Intensity for 4000lm

| Gamma | C0 | C45 | C90 | Gamma | C0 | C45 | C90 |
|---|---|---|---|---|---|---|---|
| 0° | 946.8 | 946.8 | 946.8 | 90° | 384.7 | 250.8 | 2.5 |
| 5° | 946.8 | 945.4 | 945.0 | 95° | 328.0 | 207.9 | 1.0 |
| 10° | 942.9 | 935.4 | 929.5 | 100° | 303.6 | 184.1 | 0.4 |
| 15° | 929.0 | 914.1 | 903.7 | 105° | 263.9 | 155.3 | 0.3 |
| 20° | 907.5 | 890.8 | 869.0 | 110° | 227.2 | 130.0 | 0.3 |
| 25° | 886.4 | 859.8 | 819.5 | 115° | 195.0 | 107.7 | 0.3 |
| 30° | 866.3 | 822.7 | 772.3 | 120° | 164.7 | 88.8 | 0.3 |
| 35° | 837.5 | 782.5 | 721.3 | 125° | 137.3 | 72.4 | 0.3 |
| 40° | 807.0 | 737.0 | 655.6 | 130° | 113.0 | 58.3 | 0.3 |
| 45° | 771.1 | 688.1 | 591.5 | 135° | 90.8 | 46.2 | 0.4 |
| 50° | 732.0 | 637.7 | 518.3 | 140° | 71.5 | 35.5 | 0.6 |
| 55° | 692.8 | 584.3 | 444.6 | 145° | 55.1 | 27.2 | 0.7 |
| 60° | 649.5 | 530.5 | 369.7 | 150° | 40.5 | 20.4 | 1.3 |
| 65° | 606.9 | 479.8 | 293.2 | 155° | 28.9 | 14.9 | 1.8 |
| 70° | 560.0 | 427.8 | 216.4 | 160° | 19.8 | 10.8 | 2.5 |
| 75° | 518.1 | 378.5 | 143.6 | 165° | 14.3 | 9.2 | 4.2 |
| 80° | 470.5 | 332.0 | 76.1 | 170° | 13.0 | 10.6 | 8.6 |
| 85° | 420.4 | 284.1 | 20.7 | 175° | 14.5 | 14.2 | 13.8 |
| 90° | 384.7 | 250.8 | 2.5 | 180° | 16.0 | 16.0 | 16.0 |

## classification UGR =

Corrected Glare Ratings for a Total Lamp Flux of 4000lm (S = 0.25H)

| | Room Reflection Factors (%) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Ceiling | 70 | 70 | 50 | 50 | 30 | 70 | 70 | 50 | 50 | 30 |
| Walls | 50 | 30 | 50 | 30 | 30 | 50 | 30 | 50 | 30 | 30 |
| Floor | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| **Room Dimensions** | **Viewed Crosswise** | | | | | **Viewed Endwise** | | | | |
| X = 2H Y = 2H | 20.2 | 21.8 | 20.7 | 22.3 | 22.8 | 19.1 | 20.6 | 19.6 | 21.2 | 21.6 |
| Y = 3H | 22.3 | 23.8 | 22.9 | 24.3 | 24.8 | 20.4 | 21.9 | 21.0 | 22.4 | 22.9 |
| Y = 4H | 23.4 | 24.8 | 24.0 | 25.4 | 25.9 | 20.9 | 22.3 | 21.5 | 22.9 | 23.4 |
| Y = 6H | 24.5 | 25.7 | 25.1 | 26.3 | 26.9 | 21.2 | 22.5 | 21.8 | 23.1 | 23.6 |
| Y = 8H | 25.0 | 26.2 | 25.6 | 26.8 | 27.4 | 21.3 | 22.5 | 21.9 | 23.1 | 23.6 |
| Y = 12H | 25.5 | 26.6 | 26.1 | 27.2 | 27.8 | 21.3 | 22.4 | 21.8 | 23.0 | 23.6 |
| X = 4H Y = 2H | 20.8 | 22.1 | 21.3 | 22.7 | 23.2 | 19.9 | 21.3 | 20.5 | 21.8 | 22.4 |
| Y = 3H | 23.1 | 24.3 | 23.7 | 24.9 | 25.5 | 21.5 | 22.7 | 22.1 | 23.3 | 23.9 |
| Y = 4H | 24.4 | 25.5 | 25.0 | 26.1 | 26.7 | 22.2 | 23.3 | 22.8 | 23.9 | 24.5 |
| Y = 6H | 25.7 | 26.6 | 26.3 | 27.3 | 27.9 | 22.6 | 23.6 | 23.3 | 24.3 | 24.9 |
| Y = 8H | 26.3 | 27.2 | 26.9 | 27.8 | 28.4 | 22.8 | 23.7 | 23.4 | 24.3 | 25.0 |
| Y = 12H | 26.8 | 27.7 | 27.5 | 28.4 | 29.0 | 22.8 | 23.6 | 23.5 | 24.3 | 24.9 |
| X = 8H Y = 4H | 24.7 | 25.6 | 25.4 | 26.3 | 26.9 | 22.9 | 23.8 | 23.5 | 24.4 | 25.0 |
| Y = 6H | 26.2 | 27.0 | 26.9 | 27.7 | 28.3 | 23.6 | 24.4 | 24.3 | 25.1 | 25.7 |
| Y = 8H | 27.0 | 27.7 | 27.7 | 28.4 | 29.1 | 23.9 | 24.6 | 24.6 | 25.3 | 26.0 |
| Y = 12H | 27.8 | 28.4 | 28.5 | 29.1 | 29.8 | 24.1 | 24.7 | 24.8 | 25.4 | 26.1 |
| X = 12H Y = 4H | 24.7 | 25.6 | 25.4 | 26.2 | 26.9 | 23.0 | 23.9 | 23.7 | 24.5 | 25.2 |
| Y = 6H | 26.3 | 27.0 | 27.0 | 27.7 | 28.4 | 23.9 | 24.6 | 24.6 | 25.3 | 26.0 |
| Y = 8H | 27.2 | 27.8 | 27.9 | 28.5 | 29.2 | 24.3 | 24.9 | 25.0 | 25.6 | 26.3 |
| | **UGR Variations with Observer Position for Luminaire Spacings S** | | | | | | | | | |
| S = 1.0H | +0.1 | | -0.1 | | | +0.1 | | -0.1 | | |
| S = 1.5H | +0.2 | | -0.2 | | | +0.2 | | -0.2 | | |
| S = 2.0H | +0.2 | | -0.3 | | | +0.3 | | -0.5 | | |

## Colour properties

Correlated Colour Temperature : 4000

Ra: CRI (Ra) 80

## Rendement

Utilisation Factors according to IES (%)

| | Room Reflection Factors (%) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Ceiling | 80 | 80 | 80 | 50 | 50 | 50 | 30 | 30 | 30 | 0 |
| Walls | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| Floor | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 0 |
| RCR = 1 | 95 | 91 | 88 | 84 | 82 | 79 | 78 | 76 | 74 | 65 |
| 2 | 81 | 75 | 71 | 72 | 67 | 64 | 66 | 62 | 60 | 52 |
| 3 | 71 | 63 | 58 | 62 | 57 | 52 | 58 | 53 | 49 | 43 |
| 4 | 62 | 54 | 48 | 55 | 49 | 44 | 51 | 46 | 41 | 36 |
| 5 | 55 | 47 | 41 | 49 | 43 | 38 | 46 | 40 | 36 | 31 |
| 6 | 50 | 41 | 35 | 44 | 38 | 33 | 41 | 35 | 31 | 27 |
| 7 | 45 | 37 | 31 | 40 | 33 | 29 | 38 | 32 | 27 | 23 |
| 8 | 41 | 33 | 27 | 37 | 30 | 25 | 34 | 28 | 24 | 21 |
| 9 | 38 | 30 | 24 | 34 | 27 | 23 | 32 | 26 | 22 | 19 |
| 10 | 35 | 27 | 22 | 31 | 25 | 20 | 29 | 24 | 20 | 17 |

Utilisation Factors according to LiTG (%)

| | Room Reflection Factors (%) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Ceiling** | 80 | 80 | 80 | 50 | 50 | 50 | 50 | 50 | 30 | 0 |
| **Walls** | 50 | 30 | 50 | 30 | 50 | 30 | 50 | 30 | 30 | 0 |
| **Floor** | 30 | 30 | 10 | 10 | 30 | 30 | 10 | 10 | 10 | 0 |
| k = 0.60 | 41 | 32 | 39 | 31 | 37 | 30 | 36 | 29 | 28 | 20 |
| 0.80 | 52 | 42 | 48 | 40 | 46 | 38 | 44 | 37 | 35 | 27 |
| 1.00 | 60 | 49 | 55 | 47 | 53 | 45 | 50 | 43 | 41 | 32 |
| 1.25 | 68 | 58 | 63 | 55 | 61 | 53 | 57 | 51 | 48 | 39 |
| 1.50 | 75 | 65 | 68 | 60 | 66 | 58 | 62 | 56 | 53 | 44 |
| 2.00 | 84 | 74 | 75 | 68 | 73 | 66 | 68 | 62 | 59 | 50 |
| 2.50 | 90 | 82 | 80 | 73 | 79 | 72 | 73 | 68 | 64 | 55 |
| 3.00 | 96 | 88 | 84 | 78 | 83 | 77 | 76 | 72 | 68 | 59 |
| 4.00 | 101 | 94 | 88 | 83 | 88 | 83 | 80 | 76 | 72 | 63 |
| 5.00 | 106 | 100 | 91 | 87 | 91 | 87 | 83 | 80 | 76 | 67 |

## Accessoires

E6H1000-1000 *Jeu de suspention (max. 1 m)*

## Esquisse