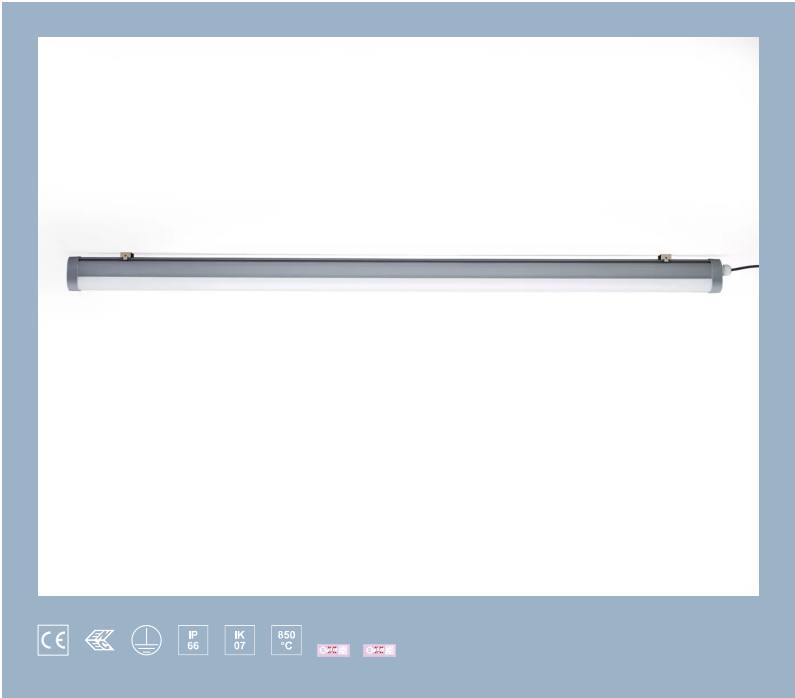


# E62/LED4N60S



**luminaria adosada • rectangular**

**aplicación :** Espacios de oficina en general,  
Espacios sanitarios en general, Entornos difíciles

**carcasa:** policarbonato

**fuenta luminosa :** LED • 4000 K

**óptica :** lente lineal • Policarbonato (PC) • extensiva

**clasificación UGR :** <=28

**flujo luminoso:** 6000 lm

**flujo luminoso específico :** 128 lm/W

**LLMF:** 99% @ 50khrs (Tq=25°C)

## Product information

### Características mecánicas

**dimensiones :** 1640 mm x 56 mm x 80 mm

**medida empotrada :** 90 mm

**color:** RAL7037 - gris polvo

**tipo :** luminaria individual

**IP:** IP66

**IK:** IK07

**temperatura ambiente:** -20°C - 35°C •

### Equipo eléctrico

**controlador:** no regulable

**potencia :** 47 W

**tensión :** 220-240V

**frecuencia :** 50-60Hz AC

**seguridad fotobiológica :** EN 62471: RISK GROUP 1  
UNLIMITED

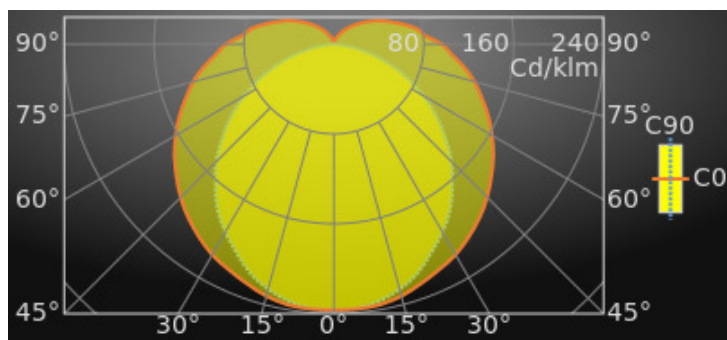
## Luminance

flujo luminoso : 6000 lm

flujo luminoso específico : 128 lm/W

classification UGR =: <=28

superficie luminoso : 0.08 m<sup>2</sup>



Average Luminances (Cd/m<sup>2</sup>) for 6000lm

| Gamma | C0    | C30   | C45   | C60   | C90   |
|-------|-------|-------|-------|-------|-------|
| 45°   | 12622 | 12494 | 12582 | 12814 | 15082 |
| 50°   | 12333 | 12180 | 12169 | 12294 | 14538 |
| 55°   | 12121 | 11883 | 11750 | 11745 | 13976 |
| 60°   | 11913 | 11634 | 11366 | 11237 | 13329 |
| 65°   | 11789 | 11428 | 11089 | 10771 | 12506 |
| 70°   | 11656 | 11270 | 10824 | 10321 | 11405 |
| 75°   | 11712 | 11190 | 10667 | 9937  | 10003 |
| 80°   | 11734 | 11272 | 10649 | 9702  | 7904  |
| 85°   | 11791 | 11342 | 10672 | 9563  | 4286  |

## Clasificaciones

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     |

## Intensidad luminosa en cd

Intensity for 6000lm

| Gamma | C0     | C45    | C90    | Gamma | C0    | C45   | C90  |
|-------|--------|--------|--------|-------|-------|-------|------|
| 0°    | 1420.2 | 1420.2 | 1420.2 | 90°   | 577.1 | 376.1 | 3.8  |
| 5°    | 1420.2 | 1418.2 | 1417.4 | 95°   | 492.0 | 311.8 | 1.5  |
| 10°   | 1414.3 | 1403.1 | 1394.3 | 100°  | 455.4 | 276.1 | 0.6  |
| 15°   | 1393.5 | 1371.2 | 1355.6 | 105°  | 395.9 | 233.0 | 0.5  |
| 20°   | 1361.3 | 1336.1 | 1303.5 | 110°  | 340.8 | 195.0 | 0.5  |
| 25°   | 1329.5 | 1289.7 | 1229.3 | 115°  | 292.5 | 161.6 | 0.4  |
| 30°   | 1299.5 | 1234.0 | 1158.5 | 120°  | 247.0 | 133.1 | 0.4  |
| 35°   | 1256.2 | 1173.7 | 1082.0 | 125°  | 205.9 | 108.6 | 0.4  |
| 40°   | 1210.5 | 1105.5 | 983.4  | 130°  | 169.5 | 87.5  | 0.4  |
| 45°   | 1156.7 | 1032.1 | 887.3  | 135°  | 136.3 | 69.4  | 0.7  |
| 50°   | 1097.9 | 956.6  | 777.5  | 140°  | 107.2 | 53.2  | 0.8  |
| 55°   | 1039.1 | 876.5  | 667.0  | 145°  | 82.7  | 40.8  | 1.1  |
| 60°   | 974.3  | 795.8  | 554.5  | 150°  | 60.8  | 30.6  | 1.9  |
| 65°   | 910.3  | 719.6  | 439.7  | 155°  | 43.3  | 22.4  | 2.7  |
| 70°   | 839.9  | 641.7  | 324.5  | 160°  | 29.8  | 16.2  | 3.8  |
| 75°   | 777.1  | 567.7  | 215.4  | 165°  | 21.5  | 13.7  | 6.3  |
| 80°   | 705.7  | 497.9  | 114.2  | 170°  | 19.5  | 15.9  | 12.9 |
| 85°   | 630.5  | 426.2  | 31.1   | 175°  | 21.7  | 21.3  | 20.7 |
| 90°   | 577.1  | 376.1  | 3.8    | 180°  | 24.0  | 24.0  | 24.0 |

## Colour properties

Correlated Colour Temperature : 4000

Ra: CRI (Ra) 80

## classification UGR =

Corrected Glare Ratings for a Total Lamp Flux of 6000lm (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   | 20.7                                                           | 22.2 | 21.2 | 22.7 | 23.2 | 19.6           | 21.1 | 20.1 | 21.6 | 22.1 |
| Y = 3H          | 22.8                                                           | 24.2 | 23.4 | 24.8 | 25.3 | 20.9           | 22.3 | 21.5 | 22.9 | 23.4 |
| Y = 4H          | 23.9                                                           | 25.2 | 24.5 | 25.8 | 26.3 | 21.4           | 22.8 | 22.0 | 23.3 | 23.9 |
| Y = 6H          | 24.9                                                           | 26.2 | 25.5 | 26.8 | 27.3 | 21.7           | 22.9 | 22.3 | 23.5 | 24.1 |
| Y = 8H          | 25.4                                                           | 26.7 | 26.0 | 27.3 | 27.8 | 21.7           | 23.0 | 22.3 | 23.6 | 24.1 |
| Y = 12H         | 25.9                                                           | 27.1 | 26.5 | 27.7 | 28.3 | 21.7           | 22.9 | 22.3 | 23.5 | 24.1 |
| X = 4H Y = 2H   | 21.2                                                           | 22.6 | 21.8 | 23.2 | 23.7 | 20.4           | 21.7 | 20.9 | 22.3 | 22.8 |
| Y = 3H          | 23.6                                                           | 24.8 | 24.2 | 25.4 | 26.0 | 22.0           | 23.2 | 22.6 | 23.8 | 24.3 |
| Y = 4H          | 24.9                                                           | 25.9 | 25.5 | 26.6 | 27.1 | 22.7           | 23.7 | 23.3 | 24.3 | 24.9 |
| Y = 6H          | 26.1                                                           | 27.1 | 26.8 | 27.7 | 28.3 | 23.1           | 24.1 | 23.8 | 24.7 | 25.3 |
| Y = 8H          | 26.7                                                           | 27.6 | 27.4 | 28.3 | 28.9 | 23.2           | 24.1 | 23.9 | 24.8 | 25.4 |
| Y = 12H         | 27.3                                                           | 28.1 | 28.0 | 28.8 | 29.5 | 23.3           | 24.1 | 23.9 | 24.8 | 25.4 |
| X = 8H Y = 4H   | 25.2                                                           | 26.1 | 25.8 | 26.7 | 27.4 | 23.3           | 24.2 | 24.0 | 24.9 | 25.5 |
| Y = 6H          | 26.7                                                           | 27.5 | 27.4 | 28.1 | 28.8 | 24.1           | 24.9 | 24.8 | 25.5 | 26.2 |
| Y = 8H          | 27.5                                                           | 28.2 | 28.1 | 28.8 | 29.5 | 24.4           | 25.1 | 25.1 | 25.8 | 26.4 |
| Y = 12H         | 28.2                                                           | 28.9 | 28.9 | 29.6 | 30.3 | 24.5           | 25.1 | 25.2 | 25.9 | 26.6 |
| X = 12H Y = 4H  | 25.2                                                           | 26.0 | 25.9 | 26.7 | 27.3 | 23.5           | 24.3 | 24.1 | 25.0 | 25.6 |
| Y = 6H          | 26.8                                                           | 27.5 | 27.5 | 28.2 | 28.8 | 24.4           | 25.1 | 25.1 | 25.8 | 26.4 |
| Y = 8H          | 27.6                                                           | 28.2 | 28.3 | 29.0 | 29.7 | 24.8           | 25.4 | 25.5 | 26.1 | 26.8 |
|                 | 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 |      |      |

Rendimiento

| 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 |

Accesorios

E6H1000-1000 *Juego de suspensión (max. 1m)*



Esquema

