

E7120/LED4N256400S5T8



luminaria de industria • rectangular

aplicación : Deporte

fuenta luminosa : high power LED • 4000 K

óptica : LED+LENS™ • Lente y reflector de policarbonato (PC) • extensiva media

clasificación UGR : <=22

flujo luminoso: 38850 lm

flujo luminoso específico : 128 lm/W

LLMF: 97% @ 50khrs (Tq=25°C)

Product information

Características mecánicas

dimensiones : 4070 mm x 90 mm x 88 mm

color: RAL7035-gris luminoso

tipo : luminaria individual

IP: IP40

IK: IK08

temperatura ambiente: de 5 °C a 35 °C •

Equipo eléctrico

controlador: no regulable

consumo de energía : 304 W

tensión : 220-240V

frecuencia : 50-60Hz AC

seguridad fotobiológica : EN 62471: RISK GROUP 1 UNLIMITED



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Luminance

flujo luminoso : 38850 lm

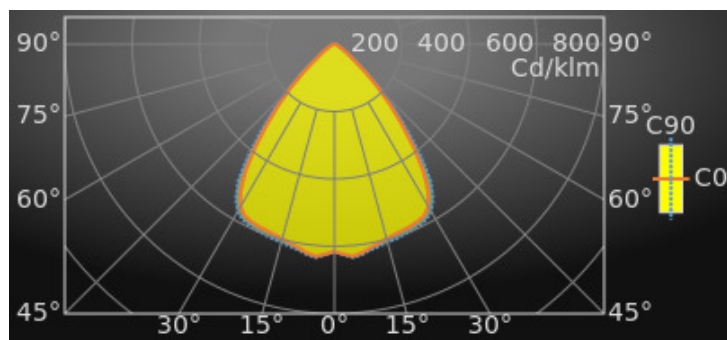
flujo luminoso específico : 128 lm/W

classification UGR \leq 22

superficie luminoso : 0.35 m²

Average Luminances (Cd/m²) for 38850lm

| Gamma | C0 | C30 | C45 | C60 | C90 |
|-------|-------|-------|-------|-------|-------|
| 45° | 29088 | 30823 | 28949 | 31165 | 31197 |
| 50° | 14305 | 15189 | 14217 | 15622 | 16643 |
| 55° | 7689 | 7580 | 7264 | 7955 | 8379 |
| 60° | 4488 | 4688 | 4432 | 4795 | 4796 |
| 65° | 3163 | 3315 | 3094 | 3309 | 3434 |
| 70° | 2510 | 2595 | 2476 | 2602 | 2710 |
| 75° | 2124 | 2196 | 2103 | 2274 | 2285 |
| 80° | 1793 | 1933 | 1785 | 1958 | 2106 |
| 85° | 1229 | 1533 | 1229 | 1540 | 1737 |



Clasificaciones

CIE: 818 / 980 / 997 / 1000 / 1000

CIE FLUXCODE : 0.82 / 0.98 / 1.00 / 1.00 / 1.00

BZ: BZ1

CAE: Symmetrical

DIN: A60 (Nach Arbeitsblatt 7)

DIN_U: Phi u = 1.00

DIN_SU: Phi su = 0.75

UTE: 1.00 B + 0.00 T



Intensidad luminosa en cd

Lifetime Data (Tq=25.0°C)

| Time(khrs) | LLMF(%) | Cx(%) |
|------------|---------|-------|
| 10 | 99 | 1 |
| 20 | 99 | 2 |
| 30 | 98 | 3 |
| 40 | 98 | 4 |
| 50 | 97 | 5 |
| 60 | 96 | 6 |

Intensity for 38850lm

| Gamma | C0 | C45 | C90 |
|-------|---------|---------|---------|
| 0° | 23918.2 | 23918.2 | 23918.2 |
| 5° | 24550.0 | 24533.3 | 24658.3 |
| 10° | 23844.7 | 23958.0 | 24064.4 |
| 15° | 23239.8 | 23438.1 | 23642.9 |
| 20° | 22863.0 | 23031.0 | 23369.0 |
| 25° | 22581.7 | 22784.8 | 23048.9 |
| 30° | 21646.3 | 22264.4 | 22260.1 |
| 35° | 17862.4 | 18766.7 | 19284.4 |
| 40° | 12013.8 | 12410.7 | 13077.0 |
| 45° | 7157.8 | 7123.5 | 7676.7 |
| 50° | 3199.9 | 3180.3 | 3722.8 |
| 55° | 1534.8 | 1449.9 | 1672.5 |
| 60° | 780.8 | 771.2 | 834.5 |
| 65° | 465.2 | 455.0 | 505.0 |
| 70° | 298.7 | 294.7 | 322.6 |
| 75° | 191.3 | 189.4 | 205.8 |
| 80° | 108.4 | 107.8 | 127.2 |
| 85° | 37.3 | 37.3 | 52.7 |
| 90° | 6.5 | 8.4 | 13.9 |

classification UGR

Corrected Glare Ratings for a Total Lamp Flux of 38850lm (S = 0.25H)

| Ceiling Walls Floor | Room Reflection Factors (%) | | | | | | | | | |
|--|-----------------------------|------|------|------|------|----------------|------|------|------|------|
| | 70 | 70 | 50 | 50 | 30 | 70 | 70 | 50 | 50 | 30 |
| Room Dimensions | Viewed Crosswise | | | | | Viewed Endwise | | | | |
| X = 2H Y = 2H | 20.5 | 22.0 | 20.8 | 22.2 | 22.5 | 20.5 | 22.0 | 20.8 | 22.3 | 22.5 |
| Y = 3H | 20.4 | 21.7 | 20.7 | 22.0 | 22.2 | 20.4 | 21.7 | 20.7 | 22.0 | 22.3 |
| Y = 4H | 20.3 | 21.5 | 20.6 | 21.8 | 22.1 | 20.3 | 21.6 | 20.7 | 21.9 | 22.2 |
| Y = 6H | 20.2 | 21.4 | 20.6 | 21.7 | 22.0 | 20.3 | 21.4 | 20.7 | 21.7 | 22.1 |
| Y = 8H | 20.2 | 21.3 | 20.6 | 21.6 | 21.9 | 20.3 | 21.4 | 20.6 | 21.7 | 22.0 |
| Y = 12H | 20.2 | 21.2 | 20.6 | 21.5 | 21.9 | 20.2 | 21.3 | 20.6 | 21.6 | 21.9 |
| X = 4H Y = 2H | 20.3 | 21.5 | 20.6 | 21.8 | 22.1 | 20.3 | 21.6 | 20.7 | 21.9 | 22.2 |
| Y = 3H | 20.2 | 21.2 | 20.6 | 21.6 | 21.9 | 20.3 | 21.3 | 20.6 | 21.6 | 22.0 |
| Y = 4H | 20.2 | 21.1 | 20.6 | 21.4 | 21.8 | 20.2 | 21.1 | 20.6 | 21.5 | 21.9 |
| Y = 6H | 20.1 | 20.9 | 20.6 | 21.3 | 21.7 | 20.2 | 21.0 | 20.6 | 21.4 | 21.8 |
| Y = 8H | 20.1 | 20.9 | 20.6 | 21.3 | 21.7 | 20.2 | 20.9 | 20.6 | 21.3 | 21.7 |
| Y = 12H | 20.1 | 20.8 | 20.5 | 21.2 | 21.6 | 20.1 | 20.8 | 20.6 | 21.2 | 21.7 |
| X = 8H Y = 4H | 20.1 | 20.8 | 20.5 | 21.2 | 21.6 | 20.1 | 20.9 | 20.6 | 21.3 | 21.7 |
| Y = 6H | 20.1 | 20.7 | 20.5 | 21.1 | 21.6 | 20.1 | 20.7 | 20.6 | 21.2 | 21.6 |
| Y = 8H | 20.1 | 20.6 | 20.5 | 21.0 | 21.5 | 20.1 | 20.7 | 20.6 | 21.1 | 21.6 |
| Y = 12H | 20.0 | 20.5 | 20.5 | 21.0 | 21.5 | 20.1 | 20.6 | 20.6 | 21.0 | 21.6 |
| X = 12H Y = 4H | 20.1 | 20.7 | 20.5 | 21.1 | 21.6 | 20.1 | 20.8 | 20.6 | 21.2 | 21.6 |
| Y = 6H | 20.0 | 20.6 | 20.5 | 21.0 | 21.5 | 20.1 | 20.6 | 20.6 | 21.1 | 21.6 |
| Y = 8H | 20.0 | 20.5 | 20.5 | 21.0 | 21.5 | 20.1 | 20.6 | 20.6 | 21.0 | 21.6 |
| UGR Variations with Observer Position for Luminaire Spacings S | | | | | | | | | | |
| S = 1.0H | +2.6 | | -5.6 | | +2.5 | | -5.8 | | | |
| S = 1.5H | +4.7 | | -7.7 | | +4.7 | | -7.6 | | | |
| S = 2.0H | +6.6 | | -8.6 | | +6.7 | | -8.6 | | | |



Colour properties

Correlated Colour Temperature : 4000

Ra: 80

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 | 109 | 107 | 106 | 103 | 101 | 100 | 99 | 98 | 97 | 91 |
| 2 | 100 | 96 | 93 | 94 | 92 | 90 | 91 | 89 | 87 | 83 |
| 3 | 91 | 86 | 83 | 87 | 83 | 80 | 84 | 81 | 79 | 75 |
| 4 | 84 | 78 | 74 | 80 | 76 | 72 | 78 | 74 | 71 | 68 |
| 5 | 77 | 71 | 66 | 74 | 69 | 65 | 72 | 68 | 64 | 62 |
| 6 | 71 | 64 | 60 | 68 | 63 | 59 | 67 | 62 | 59 | 56 |
| 7 | 66 | 59 | 54 | 63 | 58 | 54 | 62 | 57 | 53 | 51 |
| 8 | 61 | 54 | 50 | 59 | 53 | 49 | 58 | 53 | 49 | 47 |
| 9 | 57 | 50 | 46 | 55 | 49 | 45 | 54 | 49 | 45 | 43 |
| 10 | 53 | 46 | 42 | 51 | 46 | 42 | 50 | 45 | 42 | 40 |

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 | 65 | 57 | 62 | 56 | 63 | 56 | 60 | 55 | 55 | 50 |
| 0.80 | 77 | 69 | 72 | 66 | 74 | 68 | 70 | 66 | 65 | 60 |
| 1.00 | 84 | 77 | 78 | 73 | 81 | 75 | 76 | 72 | 71 | 67 |
| 1.25 | 94 | 87 | 86 | 82 | 89 | 84 | 84 | 80 | 80 | 75 |
| 1.50 | 99 | 93 | 90 | 86 | 94 | 89 | 88 | 84 | 84 | 79 |
| 2.00 | 106 | 100 | 94 | 91 | 99 | 95 | 92 | 89 | 88 | 84 |
| 2.50 | 111 | 105 | 98 | 95 | 103 | 99 | 95 | 93 | 92 | 88 |
| 3.00 | 115 | 110 | 100 | 98 | 106 | 103 | 98 | 96 | 95 | 91 |
| 4.00 | 118 | 114 | 102 | 100 | 108 | 105 | 99 | 97 | 96 | 92 |
| 5.00 | 120 | 117 | 103 | 102 | 110 | 108 | 100 | 99 | 98 | 94 |

Accesorios

E7H151 *Soporte simple para montaje en techo, resistencia a impactos*

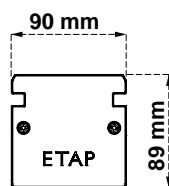
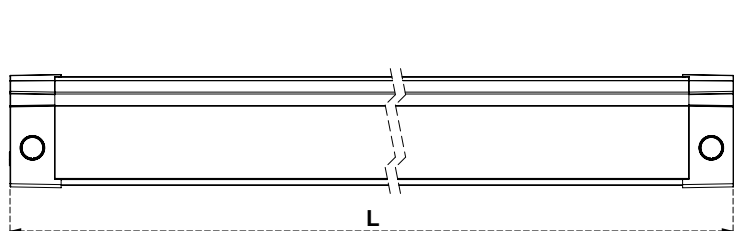
E7H152 *Soporte doble para montaje en techo, resistencia a impactos*

E7H171 *Soporte simple para montaje en techo, alambre de acero, resistencia a impactos*

E7H172 *Soporte doble para montaje en techo, alambre de acero, resistencia a impactos*



Esquema



| CODE | L |
|------------|---------|
| E7*/LED1* | 1070 mm |
| E7*/LED15* | 1570 mm |
| E7*/LED2* | 2070 mm |
| E7*/LED3* | 3070 mm |
| E7*/LED4* | 4070 mm |