

E7120/LED1N064100DT8



luminaria de industria • rectangular

aplicación : Deporte

carcasa: aluminio anodizado

fuenta luminosa : high power LED • 4000 K

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

clasificación UGR : <=22

flujo luminoso: 9750 lm

flujo luminoso específico : 127 lm/W

LLMF: 97% @ 50khrs (Tq=25°C)

Product information

Características mecánicas

dimensiones : 1070 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: DALI regulable

consumo de energía : 77 W

tensión : 220-240V

frecuencia : 50-60Hz AC

seguridad fotobiológica : EN 62471: RISK GROUP 1 UNLIMITED



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Luminance

flujo luminoso : 9750 lm

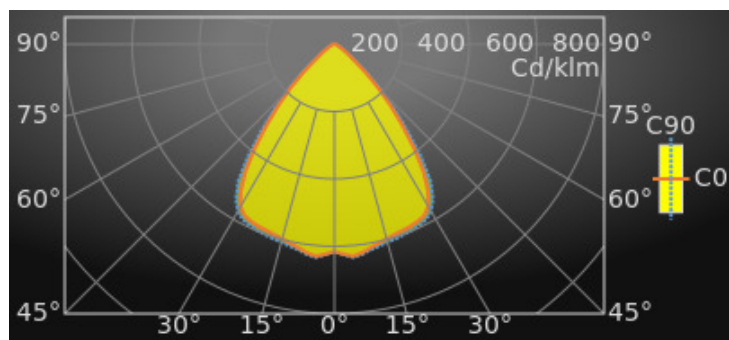
flujo luminoso específico : 127 lm/W

classification UGR ≤ 22

superficie luminoso : 0.09 m²

Average Luminances (Cd/m²) for 9750lm

| Gamma | C0 | C30 | C45 | C60 | C90 |
|-------|-------|-------|-------|-------|-------|
| 45° | 29200 | 30942 | 29060 | 31286 | 31317 |
| 50° | 14360 | 15248 | 14272 | 15682 | 16707 |
| 55° | 7719 | 7609 | 7292 | 7985 | 8412 |
| 60° | 4505 | 4706 | 4449 | 4813 | 4815 |
| 65° | 3175 | 3328 | 3106 | 3321 | 3447 |
| 70° | 2520 | 2605 | 2486 | 2612 | 2721 |
| 75° | 2133 | 2205 | 2111 | 2282 | 2294 |
| 80° | 1800 | 1940 | 1792 | 1965 | 2114 |
| 85° | 1234 | 1539 | 1234 | 1546 | 1744 |



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 9750lm

| Gamma | C0 | C45 | C90 |
|-------|--------|--------|--------|
| 0° | 6002.6 | 6002.6 | 6002.6 |
| 5° | 6161.2 | 6157.0 | 6188.4 |
| 10° | 5984.2 | 6012.6 | 6039.3 |
| 15° | 5832.4 | 5882.2 | 5933.5 |
| 20° | 5737.8 | 5780.0 | 5864.8 |
| 25° | 5667.2 | 5718.2 | 5784.5 |
| 30° | 5432.5 | 5587.6 | 5586.5 |
| 35° | 4482.8 | 4709.8 | 4839.7 |
| 40° | 3015.0 | 3114.6 | 3281.9 |
| 45° | 1796.4 | 1787.7 | 1926.6 |
| 50° | 803.1 | 798.1 | 934.3 |
| 55° | 385.2 | 363.9 | 419.7 |
| 60° | 196.0 | 193.5 | 209.4 |
| 65° | 116.8 | 114.2 | 126.7 |
| 70° | 75.0 | 74.0 | 81.0 |
| 75° | 48.0 | 47.5 | 51.6 |
| 80° | 27.2 | 27.1 | 31.9 |
| 85° | 9.4 | 9.4 | 13.2 |
| 90° | 1.6 | 2.1 | 3.5 |

classification UGR

Corrected Glare Ratings for a Total Lamp Flux of 9750lm (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 | 22.3 | 20.4 | 21.8 | 20.7 | 22.0 | 22.3 |
| Y = 4H | 20.3 | 21.6 | 20.7 | 21.8 | 22.1 | 20.4 | 21.6 | 20.7 | 21.9 | 22.2 |
| Y = 6H | 20.3 | 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 | 22.0 | 20.3 | 21.4 | 20.7 | 21.7 | 22.0 |
| Y = 12H | 20.2 | 21.2 | 20.6 | 21.6 | 21.9 | 20.3 | 21.3 | 20.6 | 21.6 | 22.0 |
| 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 | 21.3 | 20.6 | 21.6 | 21.9 | 20.3 | 21.3 | 20.7 | 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 | 20.2 | 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 | 20.6 | 21.2 | 21.6 | 20.2 | 20.8 | 20.6 | 21.2 | 21.7 |
| X = 8H Y = 4H | 20.1 | 20.8 | 20.5 | 21.2 | 21.7 | 20.2 | 20.9 | 20.6 | 21.3 | 21.7 |
| Y = 6H | 20.1 | 20.7 | 20.5 | 21.1 | 21.6 | 20.1 | 20.8 | 20.6 | 21.2 | 21.6 |
| Y = 8H | 20.1 | 20.6 | 20.5 | 21.1 | 21.6 | 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 | 21.1 | 21.6 |
| X = 12H Y = 4H | 20.1 | 20.7 | 20.5 | 21.2 | 21.6 | 20.1 | 20.8 | 20.6 | 21.2 | 21.7 |
| Y = 6H | 20.1 | 20.6 | 20.5 | 21.0 | 21.5 | 20.1 | 20.7 | 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 (%) | | | | | | | | | |
|---------|-----------------------------|-----|-----|-----|-----|-----|----|----|----|----|
| | 80 | 80 | 80 | 50 | 50 | 50 | 30 | 30 | 30 | 0 |
| 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 (%) | | | | | | | | | |
|----------|-----------------------------|-----|-----|-----|-----|-----|-----|----|----|----|
| | 80 | 80 | 80 | 50 | 50 | 50 | 50 | 50 | 30 | 0 |
| 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*

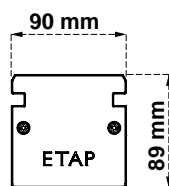
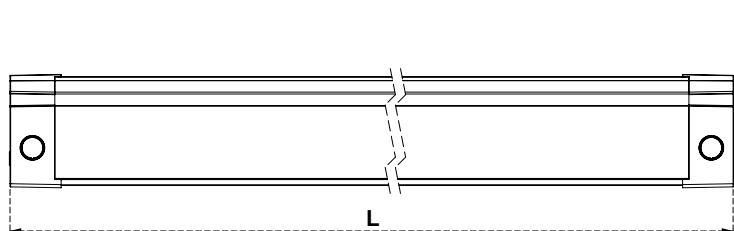
E7H152 *Soporte doble para montaje en techo, resistencia a impactos*

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 |