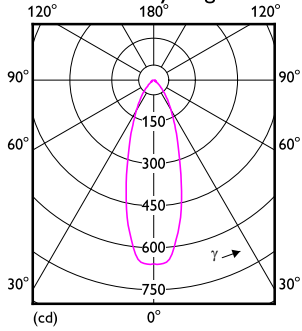
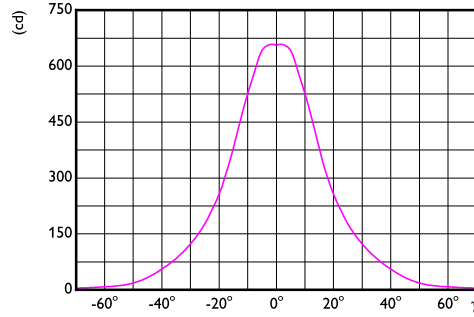


**1 x 9290012109 2700K 4.5W**  
1 x 345 lm

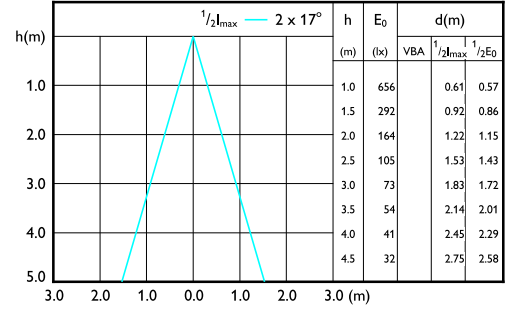
Polar intensity diagram



Cartesian intensity diagram



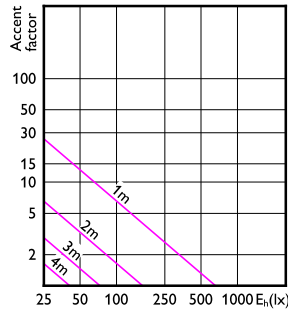
Beam diagram



Light output ratio 1.00  
Service upward 0.00  
Service downward 1.00

I<sub>max</sub> 656 cd  
BS (<sup>1</sup>/<sub>2</sub>I<sub>max</sub>) 2 x 17°  
BS (<sup>1</sup>/<sub>2</sub>E<sub>0</sub>) 2 x 16°

Visual impact diagram

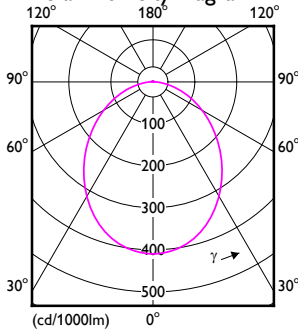


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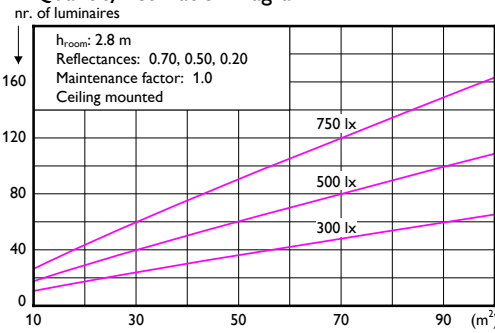
**1 x 9290013586 5W 4000K**

1 x 500 lm

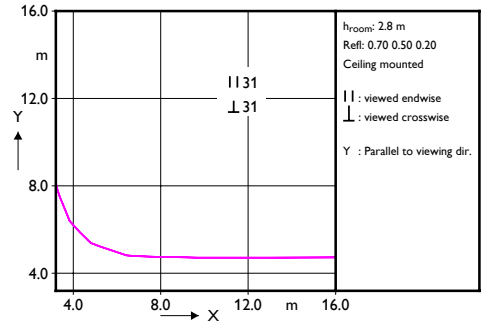
**Polar intensity diagram**



**Quantity estimation diagram**



**UGR diagram**



Light output ratio 1.00  
 Service upward 0.01  
 Service downward 0.99

CIE flux code 51 81 96 99 100

UGRcen (4Hx8H, 0.25H) 30

**Utilisation factor table**

| Room Index k | Reflectances (%) for ceiling, walls and working plane (CIE) |      |      |      |      |      |      |      |      |      |      |
|--------------|---|------|------|------|------|------|------|------|------|------|------|
|              | 0.80  |      | 0.70 |      | 0.60 |      | 0.50 |      | 0.30 |      | 0.00 |
|              | 0.80  | 0.50 | 0.70 | 0.50 | 0.70 | 0.50 | 0.30 | 0.50 | 0.30 | 0.10 | 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 |
| 0.60         | 0.51  | 0.48 | 0.50 | 0.49 | 0.48 | 0.40 | 0.40 | 0.35 | 0.39 | 0.35 | 0.33 |
| 0.80         | 0.61  | 0.58 | 0.60 | 0.58 | 0.57 | 0.50 | 0.49 | 0.44 | 0.48 | 0.44 | 0.42 |
| 1.00         | 0.70  | 0.65 | 0.69 | 0.66 | 0.64 | 0.57 | 0.56 | 0.51 | 0.55 | 0.51 | 0.49 |
| 1.25         | 0.78  | 0.72 | 0.77 | 0.74 | 0.71 | 0.64 | 0.63 | 0.59 | 0.62 | 0.58 | 0.56 |
| 1.50         | 0.85  | 0.77 | 0.83 | 0.79 | 0.76 | 0.70 | 0.69 | 0.64 | 0.67 | 0.63 | 0.61 |
| 2.00         | 0.94  | 0.84 | 0.92 | 0.87 | 0.83 | 0.78 | 0.77 | 0.73 | 0.75 | 0.72 | 0.69 |
| 2.50         | 1.01  | 0.89 | 0.98 | 0.93 | 0.88 | 0.83 | 0.82 | 0.78 | 0.80 | 0.77 | 0.75 |
| 3.00         | 1.05  | 0.92 | 1.02 | 0.96 | 0.91 | 0.87 | 0.86 | 0.83 | 0.84 | 0.81 | 0.79 |
| 4.00         | 1.11  | 0.96 | 1.08 | 1.01 | 0.95 | 0.92 | 0.90 | 0.88 | 0.88 | 0.86 | 0.83 |
| 5.00         | 1.15  | 0.99 | 1.11 | 1.04 | 0.97 | 0.95 | 0.93 | 0.91 | 0.91 | 0.89 | 0.86 |

Ceiling mounted

**Luminance Table**

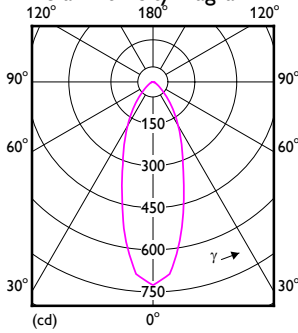
| Plane Cone | 0.0   | 15.0  | 30.0  | 45.0  | 60.0  | 75.0  | 90.0  |
|------------|-------|-------|-------|-------|-------|-------|-------|
| 45.0       | 70544 | 68433 | 67169 | 66749 | 67169 | 68433 | 70544 |
| 50.0       | 65286 | 63028 | 61687 | 61243 | 61687 | 63028 | 65286 |
| 55.0       | 60185 | 57781 | 56366 | 55899 | 56366 | 57781 | 60185 |
| 60.0       | 54745 | 52210 | 50734 | 50249 | 50734 | 52210 | 54745 |
| 65.0       | 49009 | 46359 | 44834 | 44337 | 44834 | 46359 | 49009 |
| 70.0       | 42904 | 40158 | 38606 | 38103 | 38606 | 40158 | 42904 |
| 75.0       | 35559 | 32812 | 31292 | 30806 | 31292 | 32812 | 35559 |
| 80.0       | 27266 | 24640 | 23233 | 22789 | 23233 | 24640 | 27266 |
| 85.0       | 18912 | 16517 | 15299 | 14924 | 15299 | 16517 | 18912 |
| 90.0       | 11153 | 9106  | 8164  | 7886  | 8164  | 9106  | 11153 |

(cd/m<sup>2</sup>)

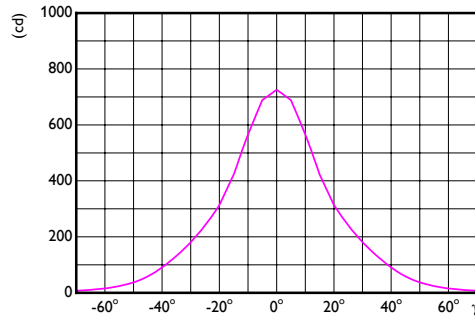
**1 x 9290013712 5W 4000K**

1 x 460 lm

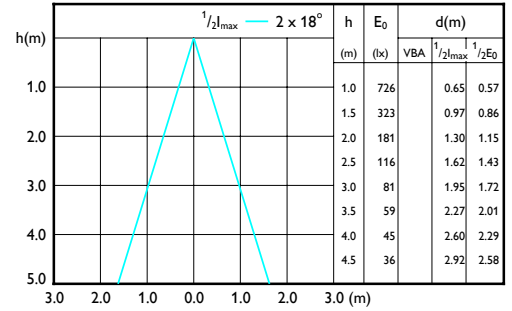
**Polar intensity diagram**



**Cartesian intensity diagram**



**Beam diagram**



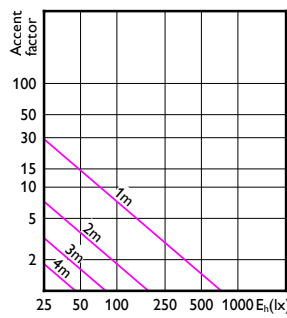
Light output ratio 1.00  
 Service upward 0.00  
 Service downward 1.00

Imax 726 cd

BS (<sup>1</sup>/<sub>2</sub>l<sub>max</sub>) 2 x 18°

BS (<sup>1</sup>/<sub>2</sub>E<sub>0</sub>) 2 x 16°

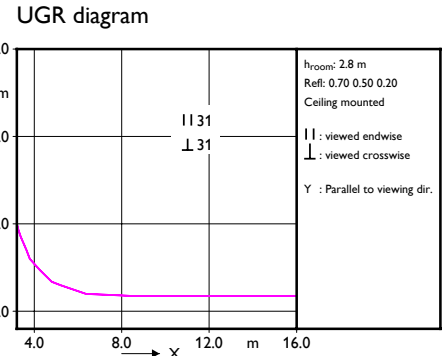
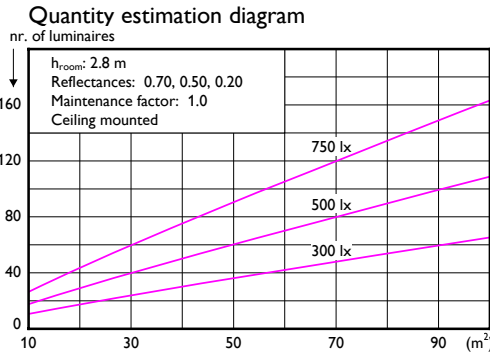
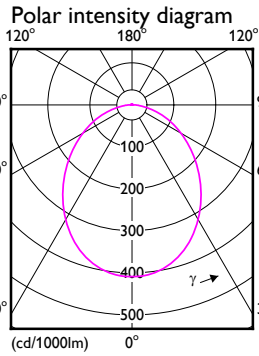
**Visual impact diagram**



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**1 x 9290013720 5.5W 2700K**

1 x 500 lm



Light output ratio 1.00  
 Service upward 0.01  
 Service downward 0.99  
 CIE flux code 51 81 96 99 100  
 UGRcen (4Hx8H, 0.25H) 30

Utilisation factor table

| Room Index k | Reflectances (%) for ceiling, walls and working plane (CIE) |      |      |      |      |      |      |      |      |      |
|--------------|---|------|------|------|------|------|------|------|------|------|
|              | 0.80  |      | 0.70 |      | 0.50 |      | 0.30 |      | 0.00 |      |
|              | 0.80  | 0.50 | 0.70 | 0.50 | 0.70 | 0.50 | 0.30 | 0.10 | 0.30 | 0.10 |
| 0.30         | 0.10  | 0.30 | 0.20 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| 0.60         | 0.51  | 0.48 | 0.50 | 0.49 | 0.48 | 0.40 | 0.35 | 0.39 | 0.35 | 0.33 |
| 0.80         | 0.61  | 0.58 | 0.60 | 0.58 | 0.57 | 0.50 | 0.49 | 0.44 | 0.48 | 0.44 |
| 1.00         | 0.70  | 0.65 | 0.69 | 0.66 | 0.64 | 0.57 | 0.56 | 0.51 | 0.55 | 0.51 |
| 1.25         | 0.78  | 0.72 | 0.77 | 0.74 | 0.71 | 0.64 | 0.63 | 0.59 | 0.62 | 0.58 |
| 1.50         | 0.85  | 0.77 | 0.83 | 0.79 | 0.76 | 0.70 | 0.69 | 0.64 | 0.67 | 0.63 |
| 2.00         | 0.94  | 0.84 | 0.92 | 0.87 | 0.83 | 0.78 | 0.77 | 0.73 | 0.75 | 0.72 |
| 2.50         | 1.01  | 0.89 | 0.98 | 0.93 | 0.88 | 0.83 | 0.82 | 0.78 | 0.80 | 0.77 |
| 3.00         | 1.05  | 0.92 | 1.02 | 0.96 | 0.91 | 0.87 | 0.86 | 0.83 | 0.84 | 0.81 |
| 4.00         | 1.11  | 0.96 | 1.08 | 1.01 | 0.95 | 0.92 | 0.90 | 0.88 | 0.88 | 0.86 |
| 5.00         | 1.15  | 0.99 | 1.11 | 1.04 | 0.97 | 0.95 | 0.93 | 0.91 | 0.91 | 0.89 |

Ceiling mounted

Luminance Table

| Plane Cone | 0.0   | 15.0  | 30.0  | 45.0  | 60.0  | 75.0  | 90.0  |
|------------|-------|-------|-------|-------|-------|-------|-------|
| 45.0       | 70505 | 68395 | 67132 | 66712 | 67132 | 68395 | 70505 |
| 50.0       | 65169 | 62916 | 61577 | 61133 | 61577 | 62916 | 65169 |
| 55.0       | 59851 | 57460 | 56053 | 55588 | 56053 | 57460 | 59851 |
| 60.0       | 54599 | 52071 | 50598 | 50114 | 50598 | 52071 | 54599 |
| 65.0       | 49102 | 46446 | 44919 | 44421 | 44919 | 46446 | 49102 |
| 70.0       | 43527 | 40742 | 39166 | 38657 | 39166 | 40742 | 43527 |
| 75.0       | 35463 | 32723 | 31208 | 30722 | 31208 | 32723 | 35463 |
| 80.0       | 27113 | 24501 | 23102 | 22661 | 23102 | 24501 | 27113 |
| 85.0       | 18204 | 15898 | 14726 | 14365 | 14726 | 15898 | 18204 |
| 90.0       | 10945 | 8936  | 8012  | 7739  | 8012  | 8936  | 10945 |

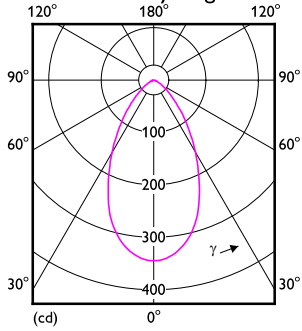
(cd/m<sup>2</sup>)

2021-06-05

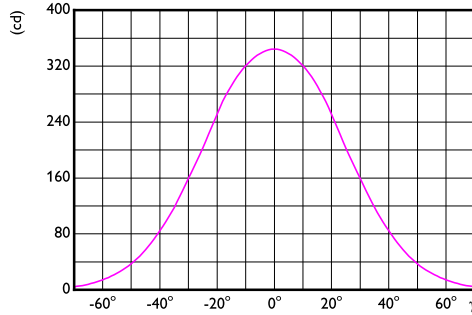
**1 x 9290019123 4000K 4.7W**

1 x 360 lm

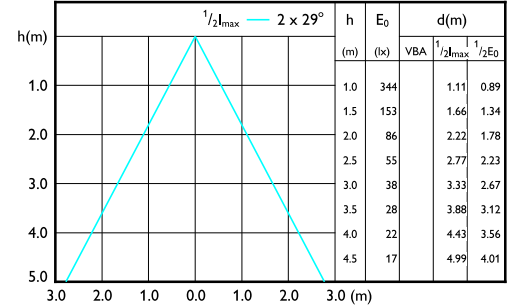
Polar intensity diagram



Cartesian intensity diagram



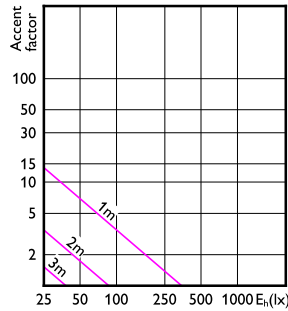
Beam diagram



Light output ratio 0.99  
 Service upward 0.00  
 Service downward 0.99

I<sub>max</sub> 344 cd  
 BS (<sup>1</sup>/<sub>2</sub>I<sub>max</sub>) 2 x 29°  
 BS (<sup>1</sup>/<sub>2</sub>E<sub>0</sub>) 2 x 24°

Visual impact diagram

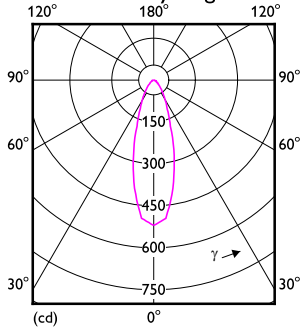


2022-04-29

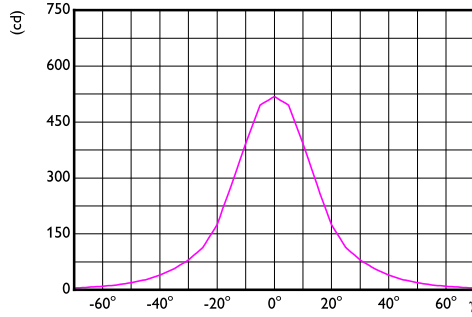
**1 x 9290024042 2700K 3.5W**

1 x 260 lm

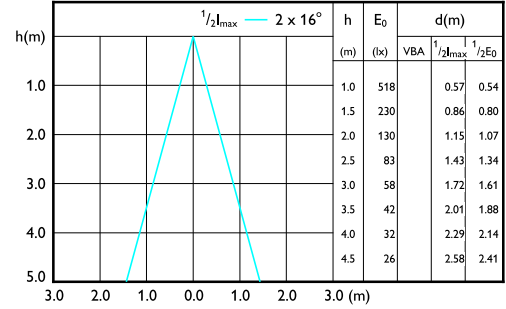
Polar intensity diagram



Cartesian intensity diagram



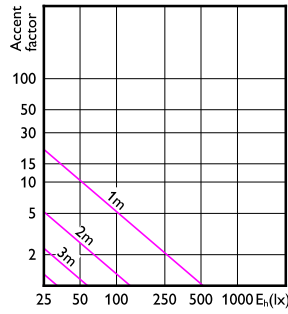
Beam diagram



Light output ratio 0.99  
 Service upward 0.00  
 Service downward 0.99

I<sub>max</sub> 518 cd  
 BS (<sup>1</sup>/<sub>2</sub>I<sub>max</sub>) 2 x 16°  
 BS (<sup>1</sup>/<sub>2</sub>E<sub>0</sub>) 2 x 15°

Visual impact diagram

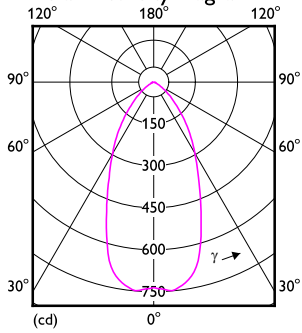


2022-04-15

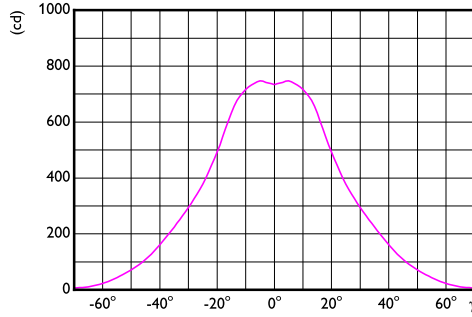
**1 x 9290024047 2700K 7W**

1 x 700 lm

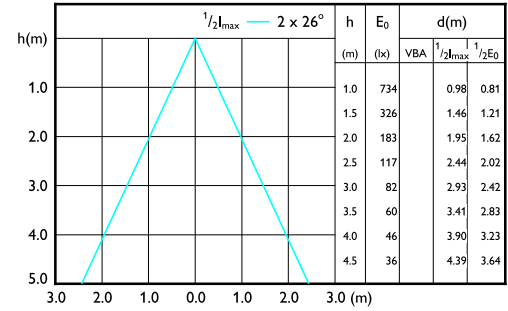
Polar intensity diagram



Cartesian intensity diagram



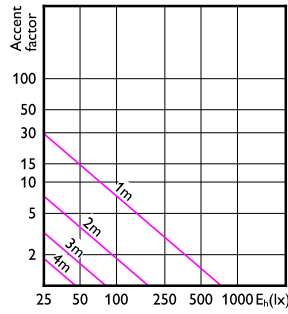
Beam diagram



Light output ratio 1.00  
 Service upward 0.00  
 Service downward 1.00

I<sub>max</sub> 734 cd  
 BS (<sup>1</sup>/<sub>2</sub>I<sub>max</sub>) 2 x 26°  
 BS (<sup>1</sup>/<sub>2</sub>E<sub>0</sub>) 2 x 22°

Visual impact diagram

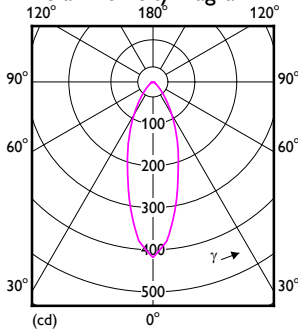


2022-01-12

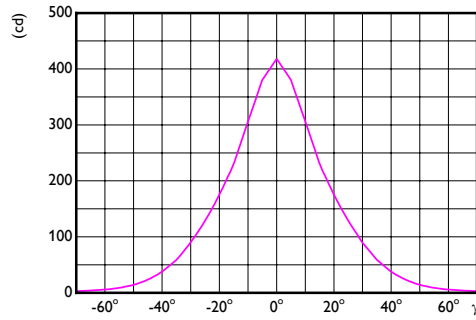
**1 x 9290030382 3W 4000K**

1 x 230 lm

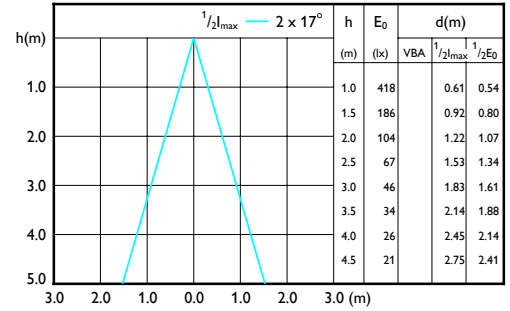
**Polar intensity diagram**



**Cartesian intensity diagram**



**Beam diagram**



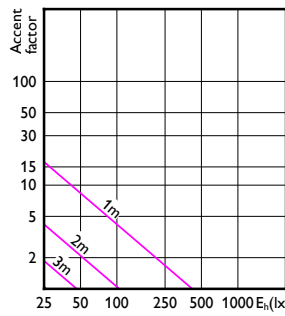
Light output ratio 1.00  
 Service upward 0.00  
 Service downward 1.00

l<sub>max</sub> 418 cd

BS (<sup>1</sup>/<sub>2</sub>l<sub>max</sub>) 2 x 17°

BS (<sup>1</sup>/<sub>2</sub>E<sub>0</sub>) 2 x 15°

**Visual impact diagram**



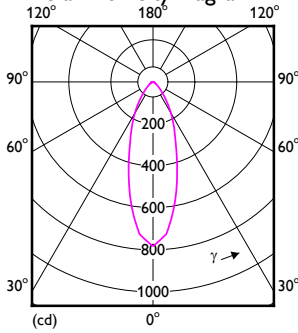
2022-04-29



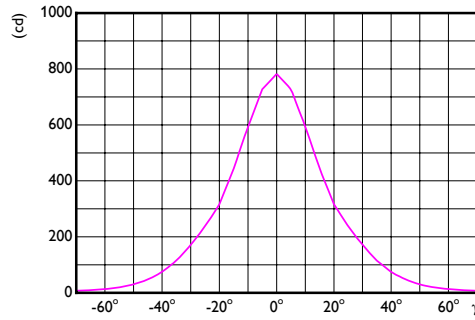
1 x 9290030383 4.7W 4000K

1 x 440 lm

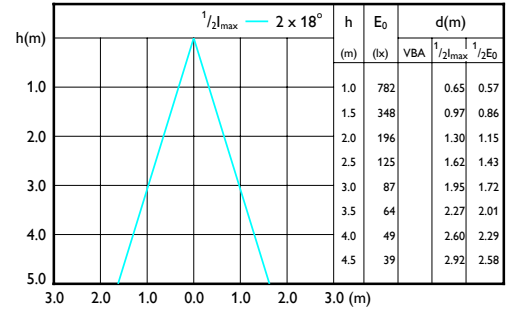
Polar intensity diagram



Cartesian intensity diagram



Beam diagram



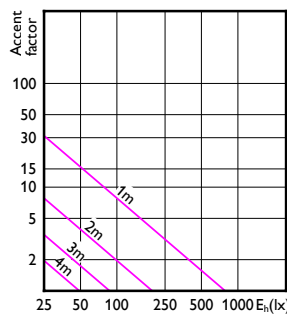
Light output ratio 1.01  
 Service upward 0.00  
 Service downward 1.01

l<sub>max</sub> 782 cd

BS (<sup>1</sup>/<sub>2</sub>l<sub>max</sub>) 2 x 18°

BS (<sup>1</sup>/<sub>2</sub>E<sub>0</sub>) 2 x 16°

Visual impact diagram

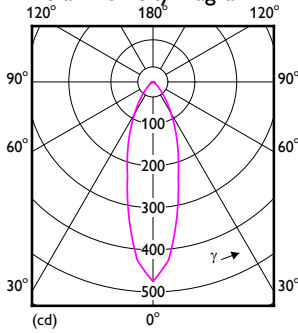


2022-04-29

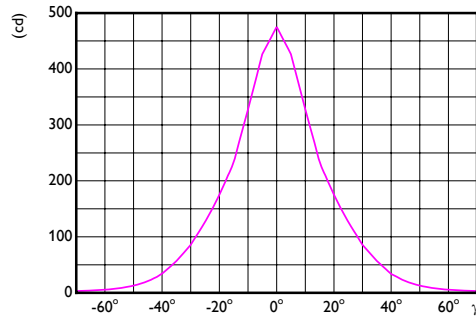
1 x 9290030385 3W 2700K

1 x 230 lm

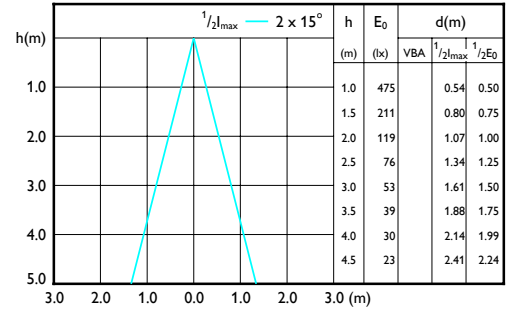
Polar intensity diagram



Cartesian intensity diagram



Beam diagram



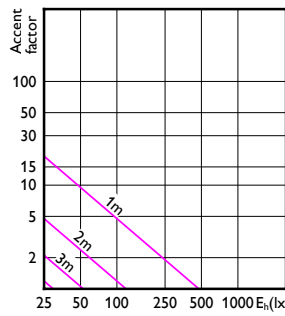
Light output ratio 1.00  
 Service upward 0.00  
 Service downward 1.00

Imax 475 cd

BS (<sup>1</sup>/<sub>2</sub>l<sub>max</sub>) 2 x 15°

BS (<sup>1</sup>/<sub>2</sub>E<sub>0</sub>) 2 x 14°

Visual impact diagram

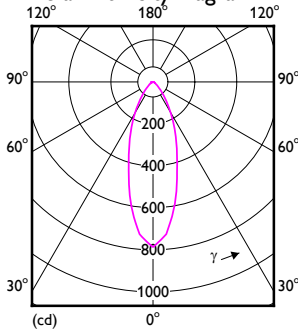


2022-04-29

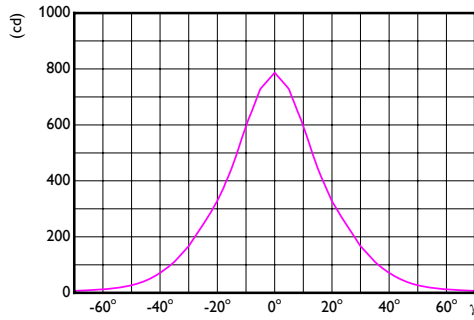
1 x 9290030386 4.7W 2700K

1 x 440 lm

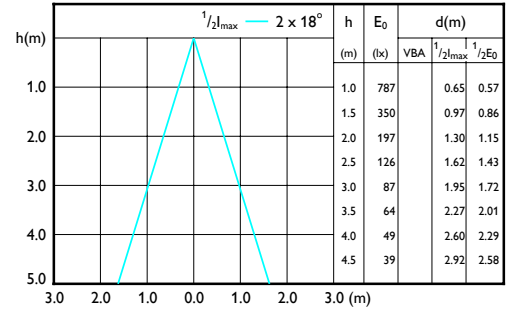
Polar intensity diagram



Cartesian intensity diagram



Beam diagram



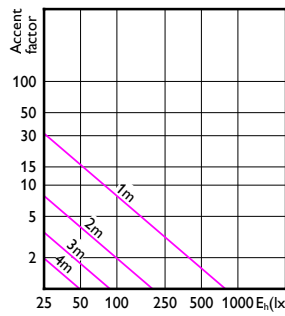
Light output ratio 1.00  
 Service upward 0.00  
 Service downward 1.00

l<sub>max</sub> 787 cd

BS (<sup>1</sup>/<sub>2</sub>l<sub>max</sub>) 2 x 18°

BS (<sup>1</sup>/<sub>2</sub>E<sub>0</sub>) 2 x 16°

Visual impact diagram

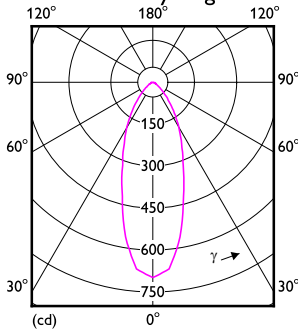


2022-04-29

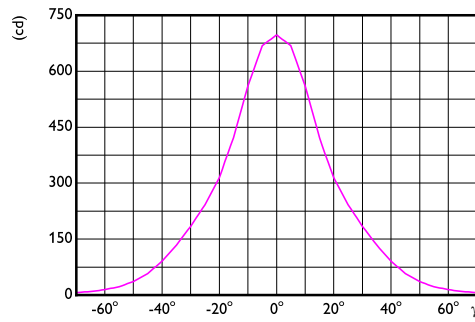
1 x 9290030388 5.5W 2700K

1 x 460 lm

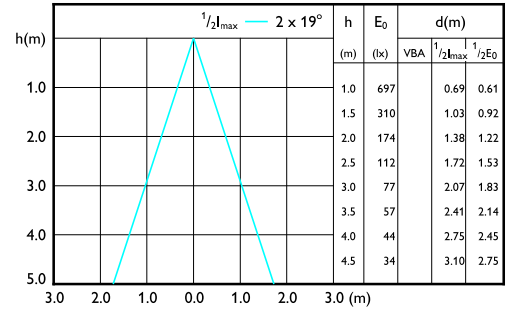
Polar intensity diagram



Cartesian intensity diagram



Beam diagram



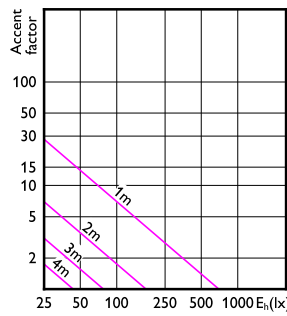
Light output ratio 1.00  
 Service upward 0.00  
 Service downward 1.00

I<sub>max</sub> 697 cd

BS (<sup>1</sup>/<sub>2</sub>I<sub>max</sub>) 2 x 19°

BS (<sup>1</sup>/<sub>2</sub>E<sub>0</sub>) 2 x 17°

Visual impact diagram



2021-09-03