



## Dark Night Turn S UTP

Dark Night Turn S utanpåliggande från Molto Luce är en högkvalitativ utanpåliggande downlight. Armaturhuset i vitt eller svart och reflektorn, högblank svart, vit, silver eller guld. Levereras med drivdon typ DALI/Switch&Dim för extern styrning eller Tand/Slack. Dark Night Turn S finns även i infällt montage.

<ul>

<li>Spridningsvinkel 40° eller 60°;</li>

<li>4 reflektorer vit/guld/matt silver/svart högblank</li>

</ul>

<p>350mA, 13W som ger ljusflöde: 2700K; 810lm / 3000K; 810lm / 4000K; 810lm</p>

<h3>För mer inspiration läs &nbsp;<a href="https://www.cardi.se/produktinspiration/dark-night">https://www.cardi.se/produktinspiration/dark-night</a>.</h3>

MOLTO LUCE®

**LJUSTEKNISKA DATA**

|                                     |   |
|-------------------------------------|---|
| Färgbeständighet                    | SDCM 3  |
| Färgtemperatur                      | 2700 K, 3000 K, 4000 K                          |
| Färgåtergivningningsindex (CRI)     | 90-100  |
| Ljusfördelning                      | Symmetrisk /<br>Asymmetrisk                     |
| Ljusuttag                           | Direkt  |
| Nominellt ljusflöde (IEC 62722-2-1) | 810 lm  |
| Spridningsvinkel                    | Bredstrålande 40-80°,<br>Mediumstrålande 20-40° |

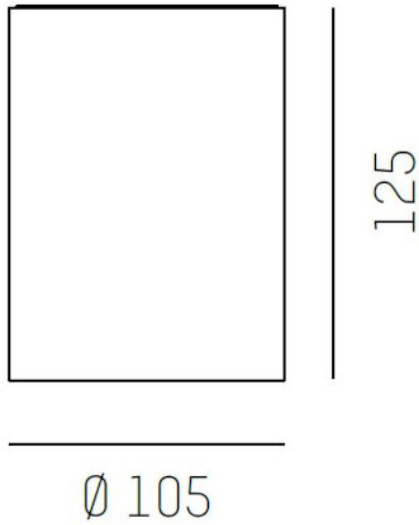
**DIMENSIONER**

|           |        |
|-----------|--------|
| Höjd/djup | 125 mm |
|-----------|--------|

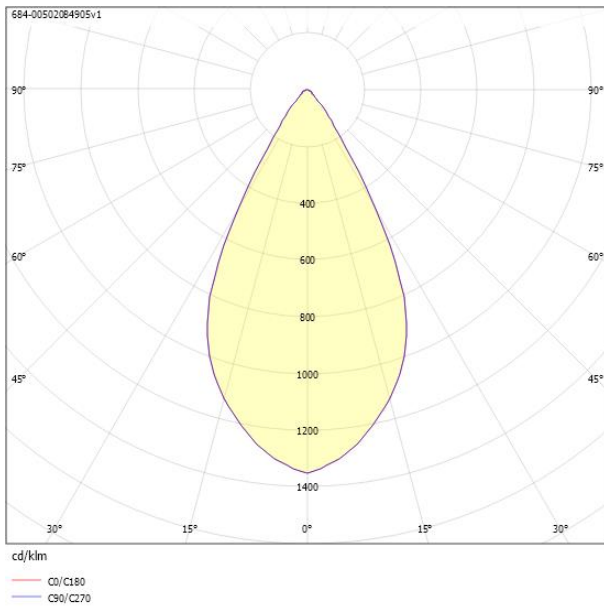
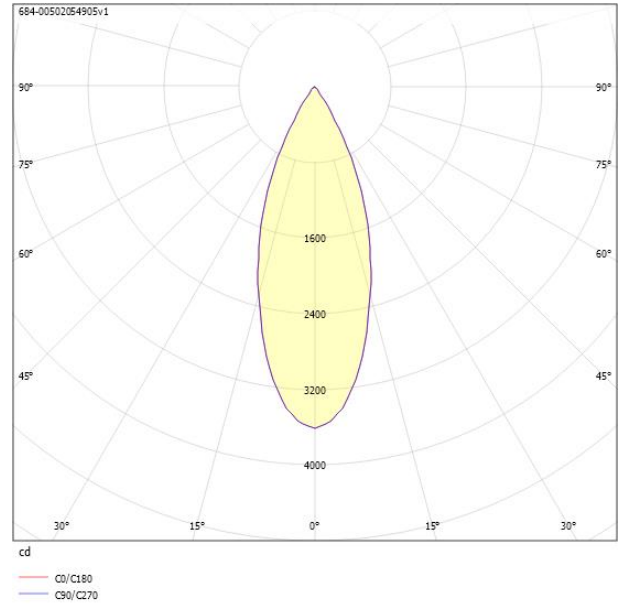
**DIMENSIONER (forts)**

|                   |                 |
|-------------------|-----------------|
| Ytterdiameter     | Ø105 mm         |
| Kapslingsklass    | IP20            |
| Styrning          | Ej dimbar, DALI |
| Justerbarhet      | Svängbar        |
| Kapslingsfärg     | Vit / Svart     |
| Material kapsling | Aluminium       |

# Måttritning



# Ljusfördelningskurva



# UGR-tabell

**Beräkning av bländning enligt UGR**

|  | 80                                 | 70   | 70   | 50   | 50   | 80                                 | 70   | 70   | 50   | 50   |      |      |
|--|------------------------------------|------|------|------|------|------------------------------------|------|------|------|------|------|------|
| ρ Tak  | 80                                 | 70   | 70   | 50   | 50   | 80                                 | 70   | 70   | 50   | 50   |      |      |
| ρ Vägg   | 60                                 | 50   | 30   | 50   | 30   | 60                                 | 50   | 30   | 50   | 30   |      |      |
| ρ Golv   | 30                                 | 20   | 20   | 20   | 20   | 30                                 | 20   | 20   | 20   | 20   |      |      |
| Rumsstorlek X  | Blickriktning tvärs till tvärsaxel |      |      |      |      | Blickriktning längs till tvärsaxel |      |      |      |      |      |      |
| Y  | 2H                                 | 2H   | 10.4 | 12.2 | 12.8 | 12.4                               | 13.0 | 10.4 | 12.2 | 12.8 | 12.4 | 13.0 |
| 2H   | 3H                                 | 10.2 | 12.1 | 12.6 | 12.3 | 12.9                               | 10.2 | 12.1 | 12.6 | 12.3 | 12.9 |      |
| 2H   | 4H                                 | 10.1 | 12.0 | 12.5 | 12.3 | 12.8                               | 10.1 | 12.0 | 12.5 | 12.3 | 12.8 |      |
| 2H   | 6H                                 | 10.0 | 11.9 | 12.4 | 12.2 | 12.7                               | 10.0 | 11.9 | 12.4 | 12.2 | 12.7 |      |
| 2H   | 8H                                 | 10.0 | 11.9 | 12.4 | 12.2 | 12.7                               | 10.0 | 11.9 | 12.4 | 12.2 | 12.7 |      |
| 2H   | 12H                                | 10.0 | 11.9 | 12.3 | 12.2 | 12.6                               | 10.0 | 11.9 | 12.3 | 12.2 | 12.6 |      |
| 4H   | 2H                                 | 10.1 | 12.0 | 12.5 | 12.3 | 12.8                               | 10.1 | 12.0 | 12.5 | 12.3 | 12.8 |      |
| 4H   | 3H                                 | 9.9  | 11.8 | 12.3 | 12.2 | 12.6                               | 9.9  | 11.8 | 12.3 | 12.2 | 12.6 |      |
| 4H   | 4H                                 | 9.9  | 11.8 | 12.2 | 12.1 | 12.5                               | 9.9  | 11.8 | 12.2 | 12.1 | 12.5 |      |
| 4H   | 6H                                 | 9.8  | 11.7 | 12.0 | 12.1 | 12.4                               | 9.8  | 11.7 | 12.0 | 12.1 | 12.4 |      |
| 4H   | 8H                                 | 9.7  | 11.7 | 11.9 | 12.1 | 12.3                               | 9.7  | 11.7 | 11.9 | 12.1 | 12.3 |      |
| 4H   | 12H                                | 9.7  | 11.6 | 11.9 | 12.1 | 12.3                               | 9.7  | 11.6 | 11.9 | 12.1 | 12.3 |      |
| 8H   | 4H                                 | 9.7  | 11.7 | 11.9 | 12.1 | 12.3                               | 9.7  | 11.7 | 11.9 | 12.1 | 12.3 |      |
| 8H   | 6H                                 | 9.6  | 11.6 | 11.8 | 12.0 | 12.2                               | 9.6  | 11.6 | 11.8 | 12.0 | 12.2 |      |
| 8H   | 8H                                 | 9.5  | 11.5 | 11.7 | 12.0 | 12.1                               | 9.5  | 11.5 | 11.7 | 12.0 | 12.1 |      |
| 8H   | 12H                                | 9.5  | 11.5 | 11.6 | 12.0 | 12.1                               | 9.5  | 11.5 | 11.6 | 12.0 | 12.1 |      |
| 12H  | 4H                                 | 9.6  | 11.6 | 11.9 | 12.1 | 12.3                               | 9.6  | 11.6 | 11.9 | 12.1 | 12.3 |      |
| 12H  | 6H                                 | 9.5  | 11.5 | 11.7 | 12.0 | 12.1                               | 9.5  | 11.5 | 11.7 | 12.0 | 12.1 |      |
| 12H  | 8H                                 | 9.5  | 11.5 | 11.6 | 12.0 | 12.1                               | 9.5  | 11.5 | 11.6 | 12.0 | 12.1 |      |
| Variation av bländningsposition för tvärsaxel S              |                                    |      |      |      |      |                                    |      |      |      |      |      |      |
| S = 1.0H   | +6.8 / -16.8                       |      |      |      |      | +6.8 / -16.8                       |      |      |      |      |      |      |
| S = 1.5H   | +9.6 / -17.4                       |      |      |      |      | +9.6 / -17.4                       |      |      |      |      |      |      |
| S = 2.0H   | +11.6 / -17.9                      |      |      |      |      | +11.6 / -17.9                      |      |      |      |      |      |      |
| Standardtabell   | BK00                               |      |      |      |      | BK00                               |      |      |      |      |      |      |
| Korrektionsfaktor  | -6.5                               |      |      |      |      | -6.5                               |      |      |      |      |      |      |
| Korrigerade bländningskurvor relaterade till total ljusflöde |                                    |      |      |      |      |                                    |      |      |      |      |      |      |

**Beräkning av bländning enligt UGR**

|  | 80                                 | 70   | 70   | 50   | 50   | 80                                 | 70   | 70   | 50   | 50   |      |
|--|------------------------------------|------|------|------|------|------------------------------------|------|------|------|------|------|
| ρ Tak  | 80                                 | 70   | 70   | 50   | 50   | 80                                 | 70   | 70   | 50   | 50   |      |
| ρ Vägg   | 60                                 | 50   | 30   | 50   | 30   | 60                                 | 50   | 30   | 50   | 30   |      |
| ρ Golv   | 30                                 | 20   | 20   | 20   | 20   | 30                                 | 20   | 20   | 20   | 20   |      |
| Rumsstorlek X  | Blickriktning tvärs till tvärsaxel |      |      |      |      | Blickriktning längs till tvärsaxel |      |      |      |      |      |
| Y  | 2H                                 | 16.9 | 18.7 | 19.4 | 18.9 | 19.5                               | 16.9 | 18.7 | 19.4 | 18.9 | 19.5 |
| 2H   | 3H                                 | 16.7 | 18.6 | 19.2 | 18.9 | 19.4                               | 16.7 | 18.6 | 19.2 | 18.9 | 19.4 |
| 2H   | 4H                                 | 16.7 | 18.5 | 19.1 | 18.8 | 19.4                               | 16.7 | 18.5 | 19.1 | 18.8 | 19.4 |
| 2H   | 6H                                 | 16.6 | 18.4 | 19.0 | 18.8 | 19.3                               | 16.6 | 18.4 | 19.0 | 18.8 | 19.3 |
| 2H   | 8H                                 | 16.5 | 18.4 | 18.9 | 18.7 | 19.2                               | 16.5 | 18.4 | 18.9 | 18.7 | 19.2 |
| 2H   | 12H                                | 16.5 | 18.4 | 18.9 | 18.7 | 19.2                               | 16.5 | 18.4 | 18.9 | 18.7 | 19.2 |
| 4H   | 2H                                 | 16.7 | 18.5 | 19.1 | 18.8 | 19.4                               | 16.7 | 18.5 | 19.1 | 18.8 | 19.4 |
| 4H   | 3H                                 | 16.6 | 18.4 | 18.9 | 18.8 | 19.2                               | 16.6 | 18.4 | 18.9 | 18.8 | 19.2 |
| 4H   | 4H                                 | 16.5 | 18.4 | 18.8 | 18.8 | 19.1                               | 16.5 | 18.4 | 18.8 | 18.8 | 19.1 |
| 4H   | 6H                                 | 16.4 | 18.3 | 18.7 | 18.7 | 19.0                               | 16.4 | 18.3 | 18.7 | 18.7 | 19.0 |
| 4H   | 8H                                 | 16.3 | 18.3 | 18.6 | 18.7 | 19.0                               | 16.3 | 18.3 | 18.6 | 18.7 | 19.0 |
| 4H   | 12H                                | 16.3 | 18.2 | 18.5 | 18.7 | 18.9                               | 16.3 | 18.2 | 18.5 | 18.7 | 18.9 |
| 8H   | 4H                                 | 16.3 | 18.3 | 18.6 | 18.7 | 19.0                               | 16.3 | 18.3 | 18.6 | 18.7 | 19.0 |
| 8H   | 6H                                 | 16.2 | 18.2 | 18.4 | 18.6 | 18.8                               | 16.2 | 18.2 | 18.4 | 18.6 | 18.8 |
| 8H   | 8H                                 | 16.2 | 18.1 | 18.3 | 18.6 | 18.8                               | 16.2 | 18.1 | 18.3 | 18.6 | 18.8 |
| 8H   | 12H                                | 16.1 | 18.1 | 18.2 | 18.6 | 18.7                               | 16.1 | 18.1 | 18.2 | 18.6 | 18.7 |
| 12H  | 4H                                 | 16.3 | 18.2 | 18.5 | 18.7 | 18.9                               | 16.3 | 18.2 | 18.5 | 18.7 | 18.9 |
| 12H  | 6H                                 | 16.2 | 18.1 | 18.3 | 18.6 | 18.8                               | 16.2 | 18.1 | 18.3 | 18.6 | 18.8 |
| 12H  | 8H                                 | 16.1 | 18.1 | 18.2 | 18.6 | 18.7                               | 16.1 | 18.1 | 18.2 | 18.6 | 18.7 |
| Variation av bländningsposition för tvärsaxel S              |                                    |      |      |      |      |                                    |      |      |      |      |      |
| S = 1.0H   | +4.7 / -9.9                        |      |      |      |      | +4.7 / -9.9                        |      |      |      |      |      |
| S = 1.5H   | +7.4 / -8.5                        |      |      |      |      | +7.4 / -8.5                        |      |      |      |      |      |
| S = 2.0H   | +9.4 / -11.2                       |      |      |      |      | +9.4 / -11.2                       |      |      |      |      |      |
| Standardtabell   | BK00                               |      |      |      |      | BK00                               |      |      |      |      |      |
| Korrektionsfaktor  | -6.5                               |      |      |      |      | -6.5                               |      |      |      |      |      |
| Korrigerade bländningskurvor relaterade till total ljusflöde |                                    |      |      |      |      |                                    |      |      |      |      |      |