



## Produkt beskrivelse

Familie av en-soklede, kompakte, høyeffektive utladningslamper med stabil farge gjennom hele levetiden med krisp, utstrålende lys

### Produktfordeler

- Stabilt fargetemperatur gjennom hele levetiden
- Høy lampe-effektivitet resulterer i lave driftskostnader
- Lang levetid sammenlignet med gløde- og halogenlamper
- Relativt liten varme-avgivelse øker komforten for kunder og betjening
- Alle typer har UV-blokkering for å redusere risikoen for bleking

### Produktegenskaper

- Krisp hvitt lys
- Suveren fargegjengivelse
- Gjør mulig kompakt, liten, armaturdesign som gir høy stråleintensitet

### Miljø

- Godt miljøvalg på grunn av høy energieffektivitet og lang pålitelig levetid.
- Dette produktet innfrir kravene i RoHS direktivet.
- Dette produktet omfattes av WEEE / Renas ordningen.

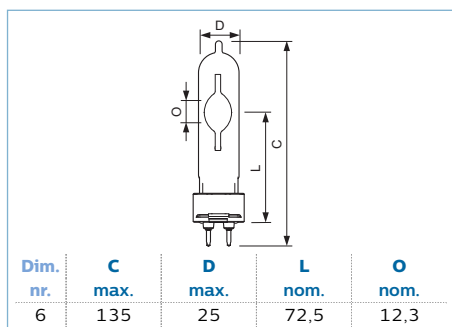
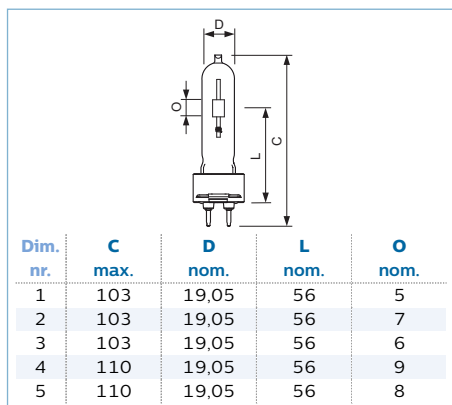
### Bruksområder

- Butikker og butikkvinduer, kontorer og offentlige bygninger
- Dekorativt utendørs: flombelysning og gågater

### Sikkerhet og forholdsregler

- Bruk bare i totalt innelukkede armaturer, selv under testing (IEC 61167, IEC 62035, IEC 60598)
- Armaturen må kunne inneholde varme lyskilder hvis lampen sprekker
- Kontrollutstyr må omfatte avhendingsbeskyttelse (IEC 61167, IEC 62035)
- Lamper kan brukes med elektronisk eller elektromagnetisk kontrollutstyr, bortsett fra lampene 35 W / 942 og 20 W, som må brukes med elektronisk kontrollutstyr.
- Det er svært lite sannsynlig at en lampe som går i stykker, vil påvirke helsen din. Hvis en lampe går i stykker, lufter du rommet i 30 minutter og fjerner delene, helst med hansker. Legg dem i en egen plastpose, og lever dem til et mottak for resirkulering. Ikke bruk støvsuger.

## Dimensjons tegninger



## Produktbilder



## Main Data

### MASTERColour CDM-T

| Effekt/Lyskildefarge | Lyskildefeste | SAP Packing (Piece)/Innpakningstype | Driftsposisjon |    | Dim. nr. | Bilde brev | EOC 8711500... |
|----------------------|---------------|-------------------------------------|----------------|----|----------|------------|----------------|
| 39W/830              | G12           | CT / 1                              | UNIVERSAL      | A  | 1        | A          | 19697215       |
| 39W/842              | G12           | CT / 1                              | UNIVERSAL      | A  | 1        | A          | 21126215       |
| 73W/830              | G12           | CT / 1                              | UNIVERSAL      | A+ | 2        | B          | 19699615       |
| 73W/942              | G12           | CT / 1                              | UNIVERSAL      | A+ | 3        | B          | 19927015       |

Mer data se neste side

## MASTERColour CDM-T

| Effekt/Lyskildefarge | Lyskildefeste | SAP Packing<br>(Piece)/Innpakningstype | Driftsposisjon |  | Dim. nr. | Bilde brev | EOC 8711500... |
|----------------------|---------------|----------------------------------------|----------------|-----------------------------------------------------------------------------------|----------|------------|----------------|
| 147W/830             | G12           | CT / 1                                 | UNIVERSAL      | A+                                                                                | 4        | C          | 19780115       |
| 147W/942             | G12           | CT / 1                                 | UNIVERSAL      | A                                                                                 | 5        | C          | 20005115       |
| 247W/942             | G12           | CT / 1                                 | UNIVERSAL      | A+                                                                                | 6        | D          | 21112515       |
| 249W/830             | G12           | CT / 1                                 | UNIVERSAL      | A+                                                                                | 6        | D          | 20801915       |

## Elektriske data

| Kommersielt produktnavn                | Lampe strøm EL<br>(A) | lyskildestrøm (EM)<br>(A) | Lyskildestrøm<br>(W) | Spenning<br>(V) | Tenningstid<br>(sec. [max.]) |
|----------------------------------------|-----------------------|---------------------------|----------------------|-----------------|------------------------------|
| MASTERColour CDM-T 35W/830 G12 1CT/12  | 0,47                  | 0,53                      | 39                   | 88              | 30                           |
| MASTERColour CDM-T 35W/842 G12 1CT/12  | 0,46                  |                           | 39                   | 85              | 30                           |
| MASTERColour CDM-T 70W/830 G12 1CT/12  | 0,87                  | 0,98                      | 73                   | 88              | 30                           |
| MASTERColour CDM-T 70W/942 G12 1CT/12  | 0,87                  | 0,98                      | 73                   | 88              | 30                           |
| MASTERColour CDM-T 150W/830 G12 1CT    | 1,60                  | 1,80                      | 147                  | 96              | 30                           |
| MASTERColour CDM-T 150W/942 G12 1CT    | 1,70                  | 1,90                      | 147                  | 90              | 30                           |
| MASTERColour CDM-T 250W/830 G12 1CT/12 |                       | 2,99                      | 249                  | 95              | 30                           |
| MASTERColour CDM-T 250W/942 G12 1CT/12 |                       | 3,04                      | 247                  | 93              | 30                           |

## Lifetime data

| Kommersielt produktnavn                | Levetid til 5 % lystap<br>(h) | Levetid til 10 % lystap<br>(h) | Levetid til 20 % lystap<br>(h) | Levetid til 50 % lystap<br>(h) |
|----------------------------------------|-------------------------------|--------------------------------|--------------------------------|--------------------------------|
| MASTERColour CDM-T 35W/830 G12 1CT/12  | 9 000                         | 10 000                         | 11 000                         | 12 000                         |
| MASTERColour CDM-T 35W/842 G12 1CT/12  | 9 000                         | 10 000                         | 11 000                         | 12 000                         |
| MASTERColour CDM-T 70W/830 G12 1CT/12  | 9 000                         | 10 000                         | 11 000                         | 12 000                         |
| MASTERColour CDM-T 70W/942 G12 1CT/12  | 9 000                         | 10 000                         | 11 000                         | 12 000                         |
| MASTERColour CDM-T 150W/830 G12 1CT    | 9 000                         | 10 000                         | 11 000                         | 12 000                         |
| MASTERColour CDM-T 150W/942 G12 1CT    | 9 000                         | 10 000                         | 11 000                         | 12 000                         |
| MASTERColour CDM-T 250W/830 G12 1CT/12 | 3 500                         | 10 000                         | 12 000                         | 15 000                         |
| MASTERColour CDM-T 250W/942 G12 1CT/12 | 3 500                         | 10 000                         | 12 000                         | 15 000                         |

## Color data

| Kommersielt produktnavn                | Fargegjengivelse<br>(maks.) | Lyskildefarge <sup>1</sup> | Fargebetegnelse | Lyspæreover-<br>flate | Fargepunkt X | Fargepunkt Y |
|----------------------------------------|-----------------------------|----------------------------|-----------------|-----------------------|--------------|--------------|
| MASTERColour CDM-T 35W/830 G12 1CT/12  | 81                          | 830                        | Varm hvit (WW)  | Klar (CL)             | 0,428        | 0,397        |
| MASTERColour CDM-T 35W/842 G12 1CT/12  | 84                          | 842                        | Kaldhvit (CW)   | Klar (CL)             | 0,370        | 0,367        |
| MASTERColour CDM-T 70W/830 G12 1CT/12  | 84                          | 830                        | Varm hvit (WW)  | Klar (CL)             | 0,432        | 0,395        |
| MASTERColour CDM-T 70W/942 G12 1CT/12  | 92                          | 942                        | Kaldhvit (CW)   | Klar (CL)             | 0,377        | 0,376        |
| MASTERColour CDM-T 150W/830 G12 1CT    | 88                          | 830                        | Varm hvit (WW)  | Klar (CL)             | 0,436        | 0,396        |
| MASTERColour CDM-T 150W/942 G12 1CT    | 96                          | 942                        | Kaldhvit (CW)   | Klar (CL)             | 0,375        | 0,363        |
| MASTERColour CDM-T 250W/830 G12 1CT/12 | 85                          | 830                        | Varm hvit (WW)  | Klar (CL)             | 0,435        | 0,393        |
| MASTERColour CDM-T 250W/942 G12 1CT/12 | >91                         | 942                        | Kaldhvit (CW)   | Klar (CL)             | 0,376        | 0,368        |

<sup>1</sup> 'Lyskildefarge' verdi beskrivelse (er): '830' = CCT av 3 000 K, '842' = CCT av 4 200 K, '942' = CCT av 4 200 K

## Luminous flux/efficacy/intensity data

| Kommersielt produktnavn                | Lysstrøm (merkekapasitet)<br>(nominell)<br>(lm) | Lyseffekt (merkekapasitet)<br>(maks.)<br>(lm/W) | Ratio Scotopic/Photopic<br>Lumens |
|----------------------------------------|-------------------------------------------------|-------------------------------------------------|-----------------------------------|
| MASTERColour CDM-T 35W/830 G12 1CT/12  | 3 120                                           | 80,0                                            |                                   |
| MASTERColour CDM-T 35W/842 G12 1CT/12  | 3 000                                           | 77,0                                            |                                   |
| MASTERColour CDM-T 70W/830 G12 1CT/12  | 6 400                                           | 88,0                                            |                                   |
| MASTERColour CDM-T 70W/942 G12 1CT/12  | 6 300                                           | 86,0                                            |                                   |
| MASTERColour CDM-T 150W/830 G12 1CT    | 13 300                                          | 90,0                                            |                                   |
| MASTERColour CDM-T 150W/942 G12 1CT    | 12 400                                          | 84,0                                            |                                   |
| MASTERColour CDM-T 250W/830 G12 1CT/12 | 27 540                                          | 111,0                                           | 1,30                              |
| MASTERColour CDM-T 250W/942 G12 1CT/12 | 26 000                                          | 105,0                                           | 1,75                              |

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Fredag 7 september, 2018

## Rated Lumen Maintenance data

| Kommersielt produktnavn                | Lumenvedlikehold 2000 t | Lumenvedlikehold 5000 t | Lumenvedlikehold 10 000 t |
|----------------------------------------|-------------------------|-------------------------|---------------------------|
|                                        | (%)                     | (%)                     | (%)                       |
| MASTERColour CDM-T 35W/830 G12 1CT/12  | 80                      | 70                      | 50                        |
| MASTERColour CDM-T 35W/842 G12 1CT/12  | 90                      | 85                      | 70                        |
| MASTERColour CDM-T 70W/830 G12 1CT/12  | 85                      | 80                      | 70                        |
| MASTERColour CDM-T 70W/942 G12 1CT/12  | 85                      | 75                      | 65                        |
| MASTERColour CDM-T 150W/830 G12 1CT    | 75                      | 70                      | 60                        |
| MASTERColour CDM-T 150W/942 G12 1CT    | 85                      | 80                      | 70                        |
| MASTERColour CDM-T 250W/830 G12 1CT/12 | 98                      | 97                      | 92                        |
| MASTERColour CDM-T 250W/942 G12 1CT/12 | 98                      | 94                      | 86                        |

## Temperature data

| Kommersielt produktnavn                | Korrelert fargetemperatur (K) | Color Temperature Technical (K) | Lyspæretemperatur (°C [max.]) | Temperatur lyskildefeste (°C [max.]) | Default Ambient Temperature (°C) |
|----------------------------------------|-------------------------------|---------------------------------|-------------------------------|--------------------------------------|----------------------------------|
| MASTERColour CDM-T 35W/830 G12 1CT/12  | 3 000                         | 3 095                           | 500                           | 280                                  | 25                               |
| MASTERColour CDM-T 35W/842 G12 1CT/12  | 4 200                         | 4 200                           | 500                           | 280                                  | 25                               |
| MASTERColour CDM-T 70W/830 G12 1CT/12  | 3 000                         | 2 900                           | 500                           | 280                                  | 25                               |
| MASTERColour CDM-T 70W/942 G12 1CT/12  | 4 200                         | 3 900                           | 500                           | 280                                  | 25                               |
| MASTERColour CDM-T 150W/830 G12 1CT    | 3 000                         | 2 950                           | 650                           | 280                                  | 25                               |
| MASTERColour CDM-T 150W/942 G12 1CT    | 4 200                         | 4 050                           | 650                           | 280                                  | 25                               |
| MASTERColour CDM-T 250W/830 G12 1CT/12 | 3 000                         | 2 940                           | 700                           | 280                                  | 25                               |
| MASTERColour CDM-T 250W/942 G12 1CT/12 | 4 200                         | 4 070                           | 700                           | 280                                  | 25                               |

## Environmental data &amp; ETIM group &amp; Design Requirements

| Kommersielt produktnavn                | Energiforbruk kWh/1000 t |  | Lavt kvikksølv (Hg) - innhold | ETIM Group <sup>2</sup> |
|----------------------------------------|--------------------------|-------------------------------------------------------------------------------------|-------------------------------|-------------------------|
|                                        | (kWh)                    |                                                                                     | (mg)                          |                         |
| MASTERColour CDM-T 35W/830 G12 1CT/12  | 43                       | A                                                                                   | 3,10                          | EC000037                |
| MASTERColour CDM-T 35W/842 G12 1CT/12  | 43                       | A                                                                                   | 2,70                          | EC000037                |
| MASTERColour CDM-T 70W/830 G12 1CT/12  | 80                       | A+                                                                                  | 4,50                          | EC000037                |
| MASTERColour CDM-T 70W/942 G12 1CT/12  | 80                       | A+                                                                                  | 6,10                          | EC000037                |
| MASTERColour CDM-T 150W/830 G12 1CT    | 162                      | A+                                                                                  | 14,25                         | EC000037                |
| MASTERColour CDM-T 150W/942 G12 1CT    | 162                      | A                                                                                   | 10,40                         | EC000037                |
| MASTERColour CDM-T 250W/830 G12 1CT/12 | 274                      | A+                                                                                  | 27,00                         | EC000037                |
| MASTERColour CDM-T 250W/942 G12 1CT/12 | 272                      | A+                                                                                  | 19,00                         | EC000037                |

<sup>2</sup> 'ETIM Group' verdi beskrivelse (er): 'EC000037' = Metallhalogen lampe uten reflektor

## System data

| Kommersielt produktnavn                | Opprinnelig inngangseffekt (W) |
|----------------------------------------|--------------------------------|
| MASTERColour CDM-T 35W/830 G12 1CT/12  | 44                             |
| MASTERColour CDM-T 35W/842 G12 1CT/12  | 44                             |
| MASTERColour CDM-T 70W/830 G12 1CT/12  | 83                             |
| MASTERColour CDM-T 70W/942 G12 1CT/12  | 80                             |
| MASTERColour CDM-T 150W/830 G12 1CT    | 167                            |
| MASTERColour CDM-T 150W/942 G12 1CT    | 167                            |
| MASTERColour CDM-T 250W/830 G12 1CT/12 | 271                            |
| MASTERColour CDM-T 250W/942 G12 1CT/12 | 271                            |

## Driftsdata

| Kommersielt produktnavn               | Driftsposisjon <sup>3</sup> | Default Burning Position | Forsynings-spenning, tenning (V [min.]) | Forsynings-spenning, tenning (V [max.]) | Default Gear | Kan dimmes | Default Cycle Time |
|---------------------------------------|-----------------------------|--------------------------|-----------------------------------------|-----------------------------------------|--------------|------------|--------------------|
| MASTERColour CDM-T 35W/830 G12 1CT/12 | UNIVERSAL                   | Vertical                 | 198                                     | 198                                     | Electronic   | Nei        | 12 hour cycle      |
| MASTERColour CDM-T 35W/842 G12 1CT/12 | UNIVERSAL                   | Vertical                 | 198                                     | 198                                     | Electronic   | Nei        | 12 hour cycle      |
| MASTERColour CDM-T 70W/830 G12 1CT/12 | UNIVERSAL                   | Vertical                 | 198                                     | 198                                     | Electronic   | Nei        | 12 hour cycle      |

Mer data se neste side

| Kommersielt produktnavn                | Driftsposisjon <sup>3</sup> | Default Burning Position | Forsynings-spenning, tenning (V [min.]) | Forsynings-spenning, tenning (V [max.]) | Default Gear    | Kan dimmes | Default Cycle Time |
|----------------------------------------|-----------------------------|--------------------------|-----------------------------------------|-----------------------------------------|-----------------|------------|--------------------|
| MASTERColour CDM-T 70W/942 G12 1CT/12  | UNIVERSAL                   | Vertical                 | 198                                     | 198                                     | Electronic      | Nei        | 12 hour cycle      |
| MASTERColour CDM-T 150W/830 G12 1CT    | UNIVERSAL                   | Vertical                 | 198                                     | 198                                     | Electronic      | Nei        | 12 hour cycle      |
| MASTERColour CDM-T 150W/942 G12 1CT    | UNIVERSAL                   | Vertical                 | 198                                     | 198                                     | Electronic      | Nei        | 12 hour cycle      |
| MASTERColour CDM-T 250W/830 G12 1CT/12 | UNIVERSAL                   | Vertical                 | 198                                     | 198                                     | Electromagnetic | Nei        | 12 hour cycle      |
| MASTERColour CDM-T 250W/942 G12 1CT/12 | UNIVERSAL                   | Vertical                 | 198                                     | 198                                     | Electromagnetic | Nei        | 12 hour cycle      |

<sup>3</sup> 'Driftsposisjon' verdi beskrivelse (er): 'UNIVERSAL' = Universell

UV related data

| Kommersielt produktnavn                | Skadefaktor | Pet (Niosh) (h/500lx [min.]) |
|----------------------------------------|-------------|------------------------------|
| MASTERColour CDM-T 35W/830 G12 1CT/12  |             | 8                            |
| MASTERColour CDM-T 35W/842 G12 1CT/12  |             | 8                            |
| MASTERColour CDM-T 70W/830 G12 1CT/12  |             | 8                            |
| MASTERColour CDM-T 70W/942 G12 1CT/12  |             | 8                            |
| MASTERColour CDM-T 150W/830 G12 1CT    |             | 8                            |
| MASTERColour CDM-T 150W/942 G12 1CT    |             | 8                            |
| MASTERColour CDM-T 250W/830 G12 1CT/12 | 0,15        | 8                            |
| MASTERColour CDM-T 250W/942 G12 1CT/12 | 0,28        | 8                            |

Miscellaneous & General data

| Kommersielt produktnavn                | Lyspæreform <sup>4</sup> | Lyskildefeste | ANSI-kode | ILCOS Code                 |
|----------------------------------------|--------------------------|---------------|-----------|----------------------------|
| MASTERColour CDM-T 35W/830 G12 1CT/12  | T19                      | G12           | C130/E    | MT/UB-35/830-H-G12-20/90   |
| MASTERColour CDM-T 35W/842 G12 1CT/12  | T19                      | G12           |           | MT/UB-35/842-H-G12-20/90   |
| MASTERColour CDM-T 70W/830 G12 1CT/12  | T19                      | G12           | C139/E    | MT/UB-70/830-H-G12-20/90   |
| MASTERColour CDM-T 70W/942 G12 1CT/12  | T19                      | G12           | C139/E    | MT/UB-70/942-H-G12-20/90   |
| MASTERColour CDM-T 150W/830 G12 1CT    | T19                      | G12           | C142/E    | MT/UB-150/830-H-G12-21/100 |
| MASTERColour CDM-T 150W/942 G12 1CT    | T19                      | G12           | C142/E    | MT/UB-150/942-H-G12-21/100 |
| MASTERColour CDM-T 250W/830 G12 1CT/12 | T24                      | G12           |           | MT/UB-250/830-H-G12-25/135 |
| MASTERColour CDM-T 250W/942 G12 1CT/12 | T24                      | G12           |           | MT/UB-250/942-H-G12-25/135 |

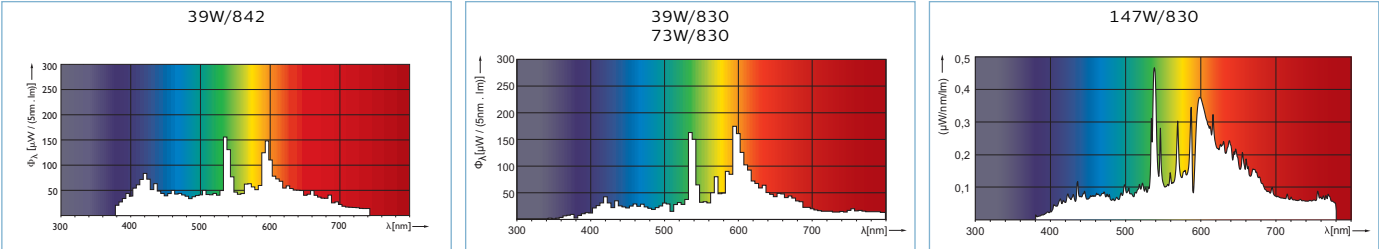
<sup>4</sup> 'Lyspæreform' verdi beskrivelse (er): 'T19' = T 19mm, 'T24' = T 24mm

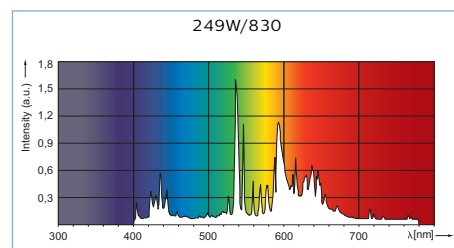
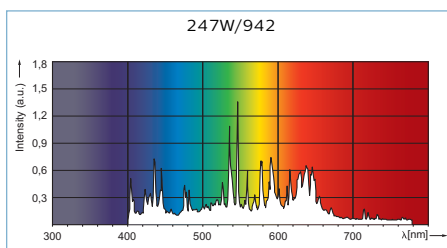
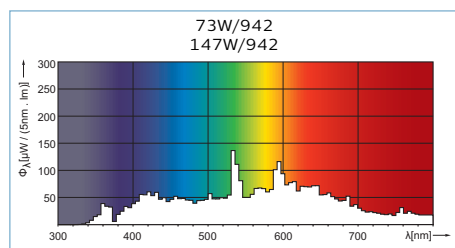
Lagerdata

| Kommersielt produktnavn                | SAP Packing (Piece)/Innpakningstype | Teller – stykker per utvendige boks | SAP Local code | EOC 8711500... | Materialenr. (12NC) (9280...) | SAP Gross Weight (Piece) (g) | Netto-vekt (stykk) (g) | Strekkode EAN 8711500... |
|----------------------------------------|-------------------------------------|-------------------------------------|----------------|----------------|-------------------------------|------------------------------|------------------------|--------------------------|
| MASTERColour CDM-T 35W/830 G12 1CT/12  | CT / 1                              | 12                                  | 38 582 40      | 19697215       | 83105125                      | 39                           | 27                     | 196989                   |
| MASTERColour CDM-T 35W/842 G12 1CT/12  | CT / 1                              | 12                                  | 38 582 12      | 21126215       | 94305125                      | 40                           | 28                     | 211279                   |
| MASTERColour CDM-T 70W/830 G12 1CT/12  | CT / 1                              | 12                                  | 38 582 41      | 19699615       | 82305125                      | 41                           | 29                     | 197009                   |
| MASTERColour CDM-T 70W/942 G12 1CT/12  | CT / 1                              | 12                                  | 38 582 51      | 19927015       | 84505131                      | 42                           | 29                     | 199287                   |
| MASTERColour CDM-T 150W/830 G12 1CT    | CT / 1                              | 12                                  | 38 582 42      | 19780115       | 83705125                      | 45                           | 33                     | 197818                   |
| MASTERColour CDM-T 150W/942 G12 1CT    | CT / 1                              | 12                                  | 38 582 52      | 20005115       | 84605131                      | 47                           | 33                     | 200068                   |
| MASTERColour CDM-T 250W/830 G12 1CT/12 | CT / 1                              | 12                                  | 38 582 11      | 20801915       | 89805131                      | 60                           | 39                     | 208026                   |
| MASTERColour CDM-T 250W/942 G12 1CT/12 | CT / 1                              | 12                                  | 38 582 14      | 21112515       | 94205131                      | 60                           | 39                     | 211132                   |

<sup>5</sup> 'SAP Packing (Piece)/Innpakningstype' verdi beskrivelse (er): 'CT / 1' = CARTON

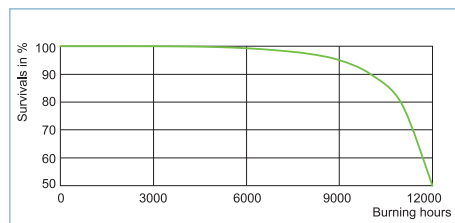
Energifordeling



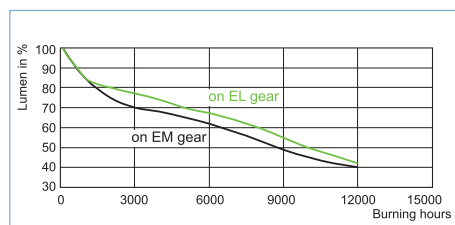


## Ytelses diagrammer

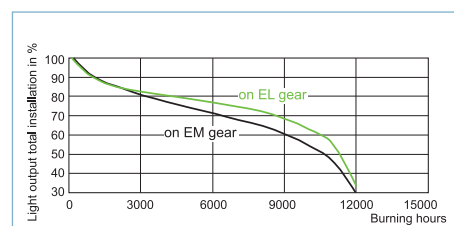
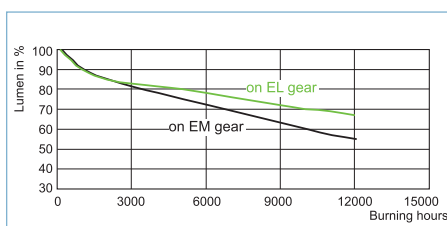
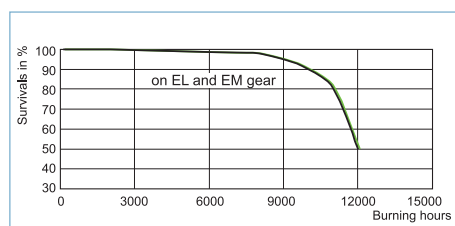
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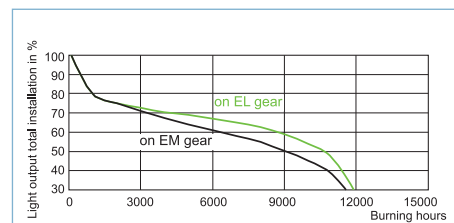
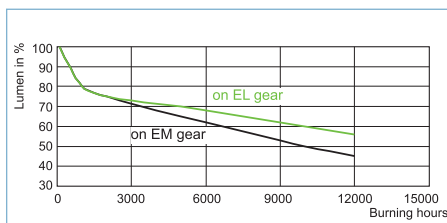
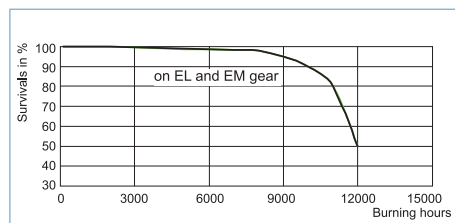
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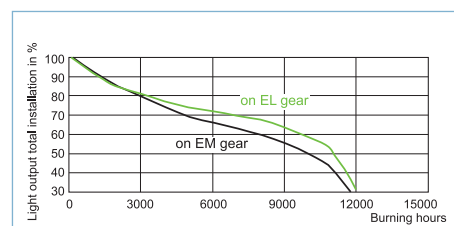
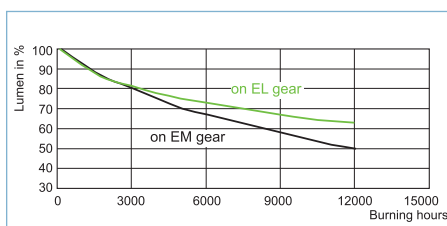
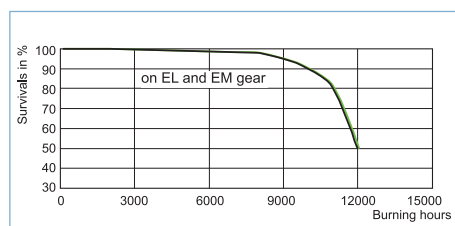
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15034



15065

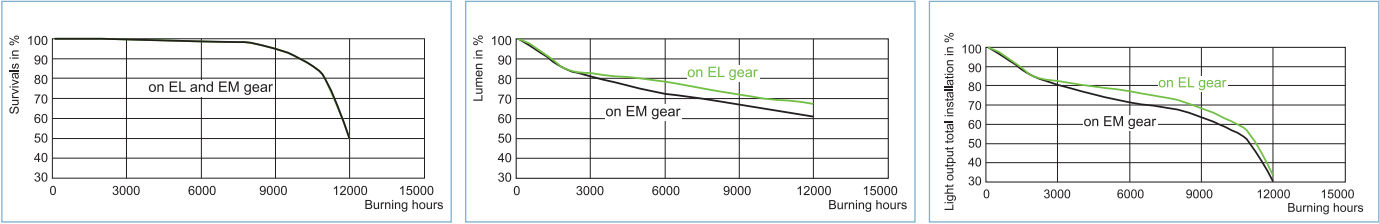


21

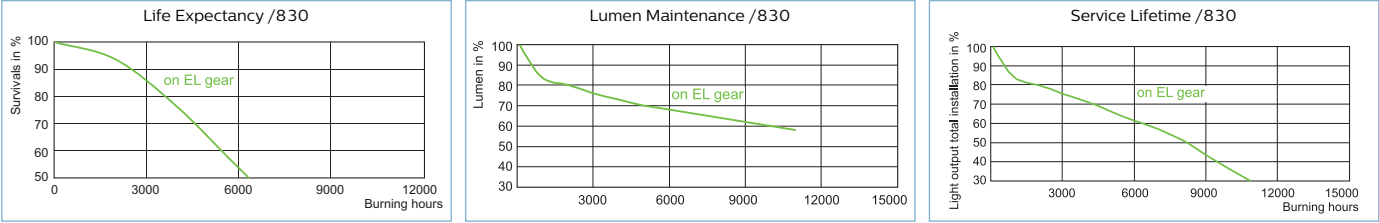


Freitag 7 september, 2018

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CDM-T 250W



Cap - Base Overview

