



# MASTERColour CDM-T

## MASTERColour CDM-T

Lámparas de descarga compactas de alta eficacia que emiten una luz blanca brillante y estable durante toda la vida de la lámpara

### Beneficios

- Temperatura de color estable durante toda la vida de la lámpara
- La alta eficacia de la lámpara da como resultado bajos costes de funcionamiento
- Larga duración en comparación con lámparas incandescentes y halógenas
- La emisión térmica relativamente baja proporciona mayor confort
- Incorporan filtro de bloqueo de rayos UV para reducir los riesgos de decoloración de las mercancías

### Características

- Temperatura de color blanco cálido y blanco neutro
- Reproducción cromática excelente
- Permite utilizar luminarias pequeñas que proporcionan alta intensidad de haz

### Aplicaciones

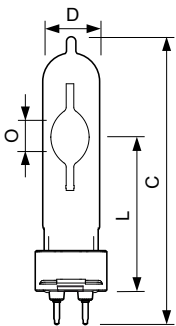
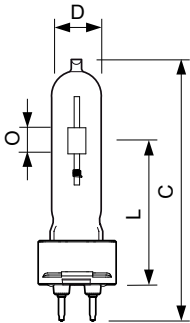
- Tiendas y escaparates, oficinas y edificios públicos
- Exterior decorativo: alumbrado por proyección y zonas peatonales

### Advertencias y seguridad

- Utilizar solamente en luminarias totalmente cerradas, incluso durante pruebas (IEC61167, IEC 62035, IEC60598)
- La luminaria debe ser capaz de contener las piezas de lámpara calientes si la lámpara se rompe
- El equipo de control debe incluir protección de final de ciclo (IEC61167, IEC 62035)
- Las lámparas pueden utilizar equipos de control electrónicos o electromagnéticos, excepto las lámparas 35 W/942 y 20 W, que deben usar equipos de control electrónicos.
- Es muy poco probable que la rotura de una lámpara tenga algún efecto en la salud. Si se rompe una lámpara, ventile la habitación durante 30 minutos y retire los restos, preferiblemente con guantes. Colóquelos en una bolsa de plástico sellada y llévela al punto limpio para reciclaje de su vecindario. No utilice una aspiradora.

# MASTERCcolour CDM-T

## Plano de dimensiones



| Product                                  | D (max) | D       | O    | L (min) | L (max) | L  | C (max) |
|--|---------|---------|------|---------|---------|----|---------|
| MASTERColour CDM-T<br>150W/942 G12 1CT   | 20 mm   | 0,75 in | 8 mm | 55 mm   | 57 mm   | 56 | 110 mm  |
| MASTERColour CDM-T<br>35W/842 G12 1CT/12 | 20 mm   | 0,75 in | 5 mm | 55 mm   | 57 mm   | 56 | 103 mm  |
| MASTERColour CDM-T<br>35W/830 G12 1CT/12 | 20 mm   | 0,75 in | 5 mm | 55 mm   | 57 mm   | 56 | 103 mm  |
| MASTERColour CDM-T<br>150W/830 G12 1CT   | 20 mm   | 0,75 in | 9 mm | 55 mm   | 57 mm   | 56 | 110 mm  |
| MASTERColour CDM-T<br>70W/942 G12 1CT/12 | 20 mm   | 0,75 in | 6 mm | 55 mm   | 57 mm   | 56 | 103 mm  |
| MASTERColour CDM-T<br>70W/830 G12 1CT/12 | 20 mm   | 0,75 in | 7 mm | 55 mm   | 57 mm   | 56 | 103 mm  |

| Product                                   | D (max) | O    | L (min) | L (max) | L    | C (max) |
|---|---------|------|---------|---------|------|---------|
| MASTERColour CDM-T<br>250W/942 G12 1CT/12 | 25 mm   | 12,3 | 71,5 mm | 73,5 mm | 72,5 | 135 mm  |
| MASTERColour CDM-T<br>250W/830 G12 1CT/12 | 25 mm   | 12,3 | 71,5 mm | 73,5 mm | 72,5 | 135 mm  |

### Controles y regulación

Regulable No

### Operativos y eléctricos

Tiempo de reencendido (mín.) (máx.) 15 min

### Información general

Base de casquillo G12

Posición de funcionamiento UNIVERSAL

### Mecánicos y de carcasa

Acabado de la lámpara Transparente

## Aprobación y aplicación

| Order Code | Full Product Name                        | Consumo energético kWh/1000 h | Contenido de mercurio (Hg) (máx.) | Contenido de mercurio (Hg) (nom.) |
|------------|--|-------------------------------|-----------------------------------|-----------------------------------|
| 19699615   | MASTERColour CDM-T<br>70W/830 G12 1CT/12 | 74 kWh                        | 4,6 mg                            | 4,6 mg                            |
| 19697215   | MASTERColour CDM-T<br>35W/830 G12 1CT/12 | 40 kWh                        | 3,2 mg                            | 3,1 mg                            |
| 19780115   | MASTERColour CDM-T<br>150W/830 G12 1CT   | 151 kWh                       | 14,3 mg                           | 14,3 mg                           |

| Order Code | Full Product Name                         | Consumo energético kWh/1000 h | Contenido de mercurio (Hg) (máx.) | Contenido de mercurio (Hg) (nom.) |
|------------|---|-------------------------------|-----------------------------------|-----------------------------------|
| 19927015   | MASTERColour CDM-T<br>70W/942 G12 1CT/12  | 74 kWh                        | 6,1 mg                            | 6,1 mg                            |
| 20005115   | MASTERColour CDM-T<br>150W/942 G12 1CT    | 151 kWh                       | 10,4 mg                           | 10,4 mg                           |
| 20801915   | MASTERColour CDM-T<br>250W/830 G12 1CT/12 | 250 kWh                       | 27,5 mg                           | 27,5 mg                           |

## MASTERColour CDM-T

| Order Code | Full Product Name                      | Consumo energético kWh/1000 h | Contenido de mercurio (Hg) (máx.) | Contenido de mercurio (Hg) (nom.) |
|------------|--|-------------------------------|-----------------------------------|-----------------------------------|
| 21112515   | MASTERColour CDM-T 250W/942 G12 1CT/12 | 250 kWh                       | 20 mg                             | 20,0 mg                           |

| Order Code | Full Product Name                     | Consumo energético kWh/1000 h | Contenido de mercurio (Hg) (máx.) | Contenido de mercurio (Hg) (nom.) |
|------------|---------------------------------------|-------------------------------|-----------------------------------|-----------------------------------|
| 21126215   | MASTERColour CDM-T 35W/842 G12 1CT/12 | 40 kWh                        | 2,7 mg                            | 2,7 mg                            |

### Operativos y eléctricos

| Order Code | Full Product Name                      | Corriente de lámpara (EM) (nom.) | Voltaje (máx) | Voltaje (mín.) | Voltaje (nom.) | Potencia (Nom.) |
|------------|--|----------------------------------|---------------|----------------|----------------|-----------------|
| 19699615   | MASTERColour CDM-T 70W/830 G12 1CT/12  | 0,98 A                           | 96 V          | 80 V           | 88 V           | 73,2 W          |
| 19697215   | MASTERColour CDM-T 35W/830 G12 1CT/12  | 0,53 A                           | 90 V          | 76 V           | 82 V           | 39,1 W          |
| 19780115   | MASTERColour CDM-T 150W/830 G12 1CT    | 1,8 A                            | 106 V         | 86 V           | 96 V           | 150,1 W         |
| 19927015   | MASTERColour CDM-T 70W/942 G12 1CT/12  | 0,98 A                           | 96 V          | 80 V           | 88 V           | 73,2 W          |
| 20005115   | MASTERColour CDM-T 150W/942 G12 1CT    | 1,9 A                            | 98 V          | 82 V           | 90 V           | 150,1 W         |
| 20801915   | MASTERColour CDM-T 250W/830 G12 1CT/12 | 2,99 A                           | 103 V         | 87 V           | 95 V           | 250,0 W         |
| 21112515   | MASTERColour CDM-T 250W/942 G12 1CT/12 | 3,04 A                           | 104 V         | 84 V           | 93 V           | 250,0 W         |
| 21126215   | MASTERColour CDM-T 35W/842 G12 1CT/12  | -                                | 93 V          | 77 V           | 85 V           | 39,1 W          |

### Información general

| Order Code | Full Product Name                     | Fallos                            |                                   | Fallos                            |                                  |
|------------|---------------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|----------------------------------|
|            |                                       | Fallos vida útil hasta 10% (nom.) | Fallos vida útil hasta 20% (nom.) | Fallos vida útil hasta 50% (nom.) | Fallos vida útil hasta 5% (nom.) |
| 19699615   | MASTERColour CDM-T 70W/830 G12 1CT/12 | 10000 h                           | 11000 h                           | 12000 h                           | 9000 h                           |
| 19697215   | MASTERColour CDM-T 35W/830 G12 1CT/12 | 10000 h                           | 11000 h                           | 12000 h                           | 9000 h                           |
| 19780115   | MASTERColour CDM-T 150W/830 G12 1CT   | 10000 h                           | 11000 h                           | 12000 h                           | 9000 h                           |
| 19927015   | MASTERColour CDM-T 70W/942 G12 1CT/12 | 10000 h                           | 11000 h                           | 12000 h                           | 9000 h                           |

| Order Code | Full Product Name                      | Fallos                            |                                   | Fallos                            |                                  |
|------------|--|-----------------------------------|-----------------------------------|-----------------------------------|----------------------------------|
|            |  | Fallos vida útil hasta 10% (nom.) | Fallos vida útil hasta 20% (nom.) | Fallos vida útil hasta 50% (nom.) | Fallos vida útil hasta 5% (nom.) |
| 20005115   | MASTERColour CDM-T 150W/942 G12 1CT    | 10000 h                           | 11000 h                           | 12000 h                           | 9000 h                           |
| 20801915   | MASTERColour CDM-T 250W/830 G12 1CT/12 | 7000 h                            | 12000 h                           | 15000 h                           | 3500 h                           |
| 21112515   | MASTERColour CDM-T 250W/942 G12 1CT/12 | 7000 h                            | 12000 h                           | 15000 h                           | 3500 h                           |
| 21126215   | MASTERColour CDM-T 35W/842 G12 1CT/12  | 10000 h                           | 11000 h                           | 12000 h                           | 9000 h                           |

### Requisitos de diseño de luminaria

| Order Code | Full Product Name                     | Temperatura de lámpara (máx) |
|------------|---------------------------------------|------------------------------|
| 19699615   | MASTERColour CDM-T 70W/830 G12 1CT/12 | 500 °C                       |
| 19697215   | MASTERColour CDM-T 35W/830 G12 1CT/12 | 500 °C                       |
| 19780115   | MASTERColour CDM-T 150W/830 G12 1CT   | 650 °C                       |
| 19927015   | MASTERColour CDM-T 70W/942 G12 1CT/12 | 500 °C                       |

| Order Code | Full Product Name                      | Temperatura de lámpara (máx) |
|------------|--|------------------------------|
| 20005115   | MASTERColour CDM-T 150W/942 G12 1CT    | 650 °C                       |
| 20801915   | MASTERColour CDM-T 250W/830 G12 1CT/12 | 700 °C                       |
| 21112515   | MASTERColour CDM-T 250W/942 G12 1CT/12 | 700 °C                       |
| 21126215   | MASTERColour CDM-T 35W/842 G12 1CT/12  | 500 °C                       |

### Datos técnicos de la luz (1/2)

| Order Code | Full Product Name                     | Coordenada X de cromacidad (nom.) | Coordenada Y de cromacidad (nom.) | Código de color | Designación de color | Temperatura del color con correlación (nom.) | Índice de reproducción cromática -IRC |  |
|------------|---------------------------------------|-----------------------------------|-----------------------------------|-----------------|----------------------|--|---------------------------------------|--|
|            |                                       |                                   |                                   |                 |                      |  | reproducción cromática (nom.)         | Flujo lumínico durante 10.000 horas (nom.) |
| 19699615   | MASTERColour CDM-T 70W/830 G12 1CT/12 | 0,434                             | 0,398                             | 830             | Blanco cálido (WW)   | 3000 K                                       | 84                                    | 70 %                                       |

## MASTERColour CDM-T

| Order Code | Full Product Name                      | Coordenada X de cromacidad (nom.) | Coordenada Y de cromacidad (nom.) | Código de color | Designación de color | Temperatura del color con correlación (nom.) | Índice de reproducción cromática -IRC (nom.) | Flujo lumínico durante 10.000 horas (nom.) |
|------------|--|-----------------------------------|-----------------------------------|-----------------|----------------------|--|--|--|
| 19697215   | MASTERColour CDM-T 35W/830 G12 1CT/12  | 0.434                             | 0.398                             | 830             | Blanco cálido (WW)   | 3000 K                                       | 83   | 50 %                                       |
| 19780115   | MASTERColour CDM-T 150W/830 G12 1CT    | 0.434                             | 0.398                             | 830             | Blanco cálido (WW)   | 3000 K                                       | 88   | 60 %                                       |
| 19927015   | MASTERColour CDM-T 70W/942 G12 1CT/12  | 0.371                             | 0.366                             | 942             | Blanco frío (CW)     | 4200 K                                       | 92   | 65 %                                       |
| 20005115   | MASTERColour CDM-T 150W/942 G12 1CT    | 0.371                             | 0.366                             | 942             | Blanco frío (CW)     | 4200 K                                       | 96   | 70 %                                       |
| 20801915   | MASTERColour CDM-T 250W/830 G12 1CT/12 | 0.434                             | 0.398                             | 830             | Blanco cálido (WW)   | 3000 K                                       | 85   | 92 %                                       |
| 21112515   | MASTERColour CDM-T 250W/942 G12 1CT/12 | 0.371                             | 0.366                             | 942             | Blanco frío (CW)     | 4200 K                                       | 91   | 86 %                                       |
| 21126215   | MASTERColour CDM-T 35W/842 G12 1CT/12  | 0.371                             | 0.366                             | 842             | Blanco frío (CW)     | 4200 K                                       | 84   | 70 %                                       |

### Datos técnicos de la luz (2/2)

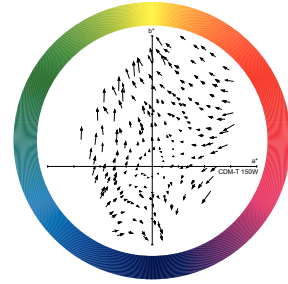
| Order Code | Full Product Name                      | Flujo lumínico durante 2.000 horas (mín.) | Flujo lumínico durante 2.000 horas (mín.) | Flujo lumínico 5.000 horas (máx.) | Flujo lumínico 5.000 horas (nom.) | Eficacia lumínica (nom.) | Flujo lumínico (nom.) | Flujo lumínico (nominal) (mín.) | Flujo lumínico (nominal) (nom.) | Ratio lúmenes escotópicos/fotópicos |
|------------|--|---|---|-----------------------------------|-----------------------------------|--------------------------|-----------------------|---------------------------------|---------------------------------|-------------------------------------|
| 19699615   | MASTERColour CDM-T 70W/830 G12 1CT/12  | 75 %                                      | 85 %                                      | 70 %                              | 80 %                              | 85 lm/W                  | 6200 lm               | 5600 lm                         | 6200 lm                         | -                                   |
| 19697215   | MASTERColour CDM-T 35W/830 G12 1CT/12  | 70 %                                      | 80 %                                      | 60 %                              | 70 %                              | 79 lm/W                  | 3100 lm               | -                               | 3100 lm                         | -                                   |
| 19780115   | MASTERColour CDM-T 150W/830 G12 1CT    | 65 %                                      | 75 %                                      | 60 %                              | 70 %                              | 88 lm/W                  | 13000 lm              | 11700 lm                        | 13000 lm                        | -                                   |
| 19927015   | MASTERColour CDM-T 70W/942 G12 1CT/12  | 75 %                                      | 85 %                                      | 65 %                              | 75 %                              | 85 lm/W                  | 6200 lm               | -                               | 6200 lm                         | -                                   |
| 20005115   | MASTERColour CDM-T 150W/942 G12 1CT    | 75 %                                      | 85 %                                      | 70 %                              | 80 %                              | 82 lm/W                  | 12100 lm              | 10900 lm                        | 12100 lm                        | -                                   |
| 20801915   | MASTERColour CDM-T 250W/830 G12 1CT/12 | -   | 98 %                                      | -                                 | 97 %                              | 111 lm/W                 | 27750 lm              | 24780 lm                        | 27750 lm                        | 1,30                                |
| 21112515   | MASTERColour CDM-T 250W/942 G12 1CT/12 | -   | 98 %                                      | -                                 | 94 %                              | 105 lm/W                 | 26250 lm              | 23400 lm                        | 26250 lm                        | 1,75                                |
| 21126215   | MASTERColour CDM-T 35W/842 G12 1CT/12  | 80 %                                      | 90 %                                      | 75 %                              | 85 %                              | 77 lm/W                  | 3000 lm               | -                               | 3000 lm                         | -                                   |

### Mecánicos y de carcasa

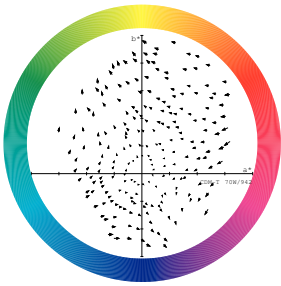
| Order Code | Full Product Name                     | Forma de la bombilla | Order Code | Full Product Name                      | Forma de la bombilla |
|------------|---------------------------------------|----------------------|------------|--|----------------------|
| 19699615   | MASTERColour CDM-T 70W/830 G12 1CT/12 | T19                  | 20005115   | MASTERColour CDM-T 150W/942 G12 1CT    | T19                  |
| 19697215   | MASTERColour CDM-T 35W/830 G12 1CT/12 | T19                  | 20801915   | MASTERColour CDM-T 250W/830 G12 1CT/12 | T24                  |
| 19780115   | MASTERColour CDM-T 150W/830 G12 1CT   | T19                  | 21112515   | MASTERColour CDM-T 250W/942 G12 1CT/12 | T24                  |
| 19927015   | MASTERColour CDM-T 70W/942 G12 1CT/12 | T19                  | 21126215   | MASTERColour CDM-T 35W/842 G12 1CT/12  | T19                  |

# MASTERColour CDM-T

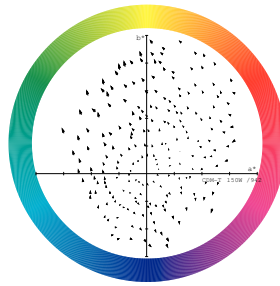
## Colour Rendering Diagrams



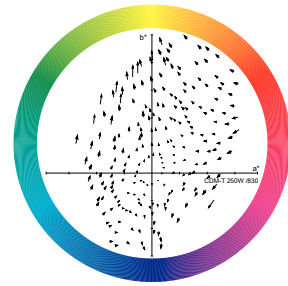
LDCR\_CDM-T\_150W\_830-Colour rendering diagram



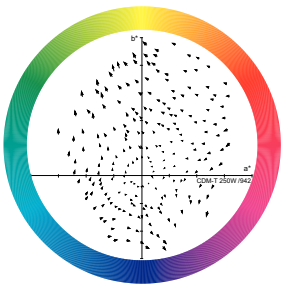
LDCR\_CDM-T\_70W\_942-Colour rendering diagram



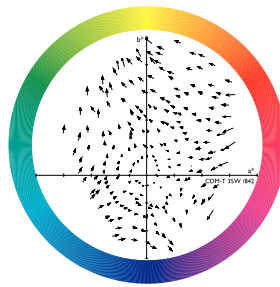
LDCR\_CDM-T\_150W\_942-Colour rendering diagram



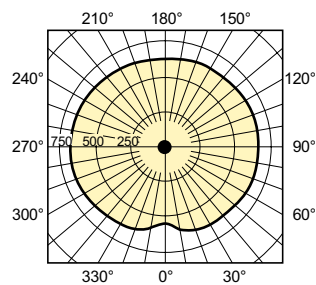
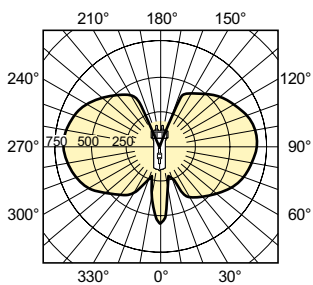
LDCR\_CDM-T\_250W\_830-Colour rendering diagram

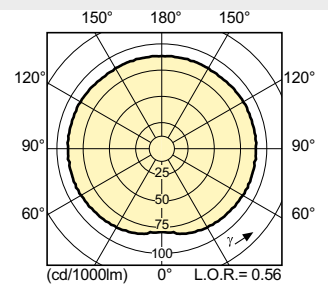
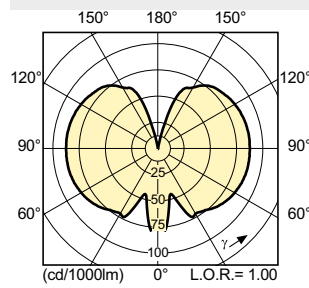
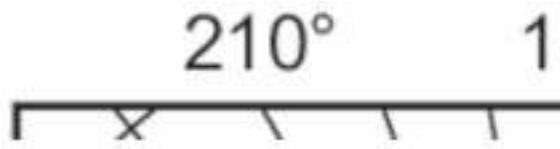


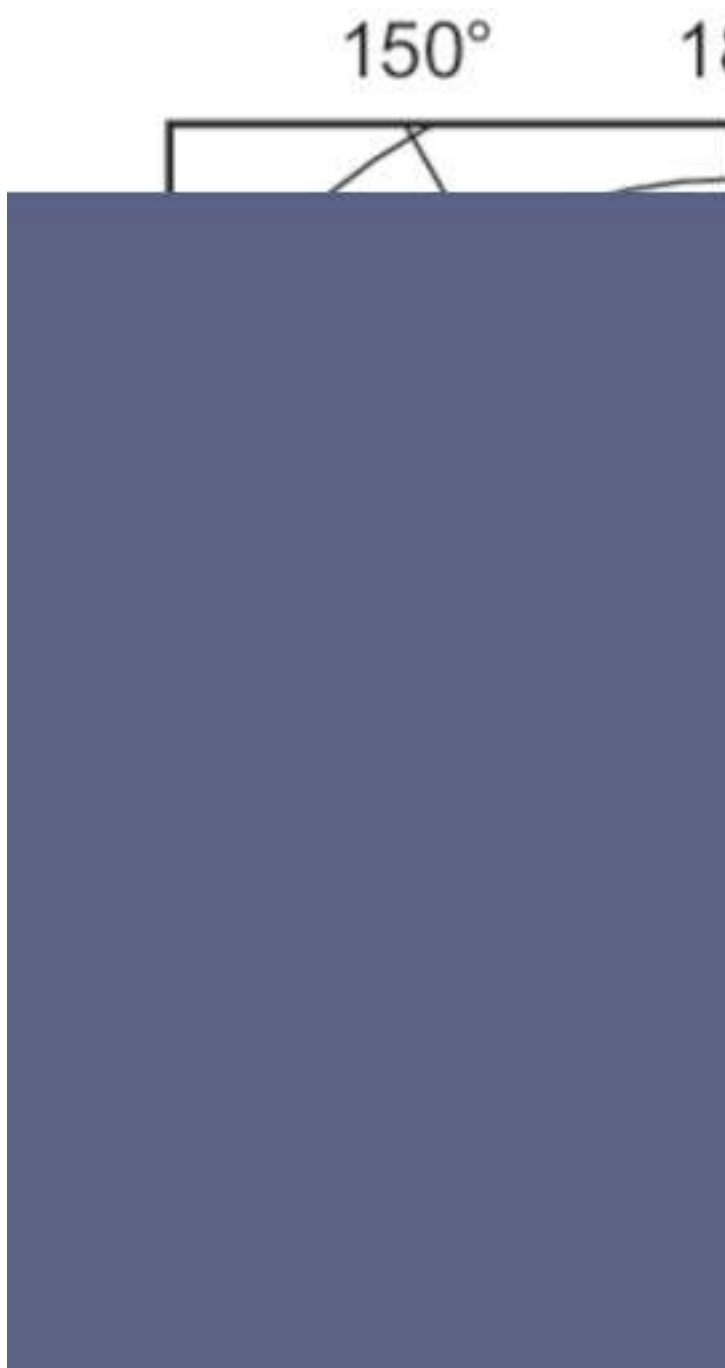
LDCR\_CDM-T\_250W\_942-Colour rendering diagram



LDCR\_CDM-T\_35W\_842\_942-Colour rendering diagram



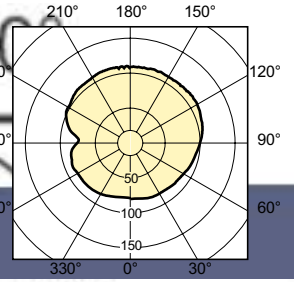
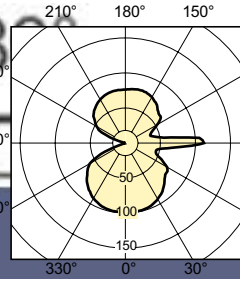




150°

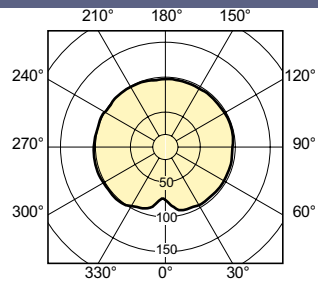
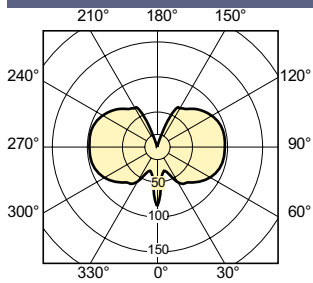
180°

150°



210°

180°



## MASTERColour CDM-T

