

Rotaris TBS742

TBS742 TL5C60W/830 HFP O IP WH

TBS742 - MASTER TL5 Circular - 60 W - HF Performer - Opal - Standard

The defining visual characteristic of the Rotaris product range, which is based on the innovative TL5 Circular lamp, is its concentric circles. The semi-high-gloss aluminum centerpiece is surrounded by an opal or clear lamp cover, the inside of which has a prismatic structure, again in concentric circles. Continuing outwards, the high-reflectance optic is made of the same semi-high-gloss aluminum. With the TBS740, the outer rim of the luminaire, which forms one piece with the optic, interfaces with the ceiling, ensuring the smooth visual integration of Rotaris in the space. With the TBS742, the circular form is integrated in a square metal tile, which makes it the ideal fit for standard visible or concealed ceiling grids (625 x 625). Glare is controlled in all viewing directions by Omnidirectional Luminance Control technology. Within the Rotaris family, a complete range of surface-mounted, recessed and suspended luminaires is available.

Product data

• General information

Product family code	TBS742 [TBS742]
Number of lamps	1 [1 pc]
Lamp family code	TL5C [MASTER TL5 Circular]
Lamp power	60 W [60 W]
Lamp color code	830 [830 warm white]
Kombipack	K [Lamp(s) included]
Gear	HFP [HF Performer]
Optical cover	O [Opal]
Emergency lighting	No [-]
Lighting control unit	No [-]
Separate switching	No [-]
Internal wiring	STD [Standard]
Fuse	No [-]
Connection	No [-]
Safety class	CLI [Safety class I]
IP code	IP20 [Finger-protected]
IK code	IK02 [0.2 J standard]
Suspension/ mounting	No [-]
Infill plate	IP [Standard]
Color	WH [White]
Glow-wire test	850/5 [Temperature 850 °C, duration 5 s]
Flammability mark	F [For mounting on normally flammable surfaces]
Safety device	No [-]
Centre luminaire	No [-]
European Community mark	CE [CE mark]
ENEC mark	ENEC [ENEC mark]

• Electrical

Supply voltage	220-240 V [220 to 240 V]

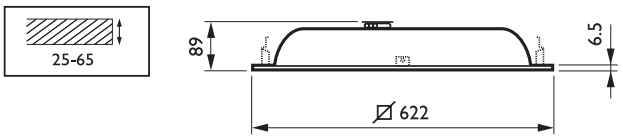
• Product Data

Order code	910501651903
Full product code	910501651903
Full product name	TBS742 TL5C60W/830 HFP O IP WH
Order product name	TBS742 1xTL5C60W/830 HFP O IP WH
Pieces per pack	1
Packs per outerbox	1
Bar code on pack - EAN1	8711559635101
Bar code on outerbox - EAN3	8711559635101
Logistic code(s) - 12NC	910501651903
Net weight per piece	4.000 kg

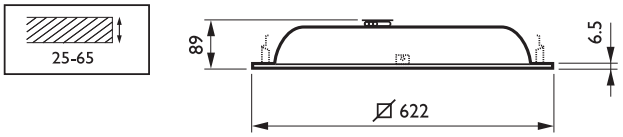


PHILIPS

Dimensional drawing



TBS742 TL5C60W/830 HFP O IP WH



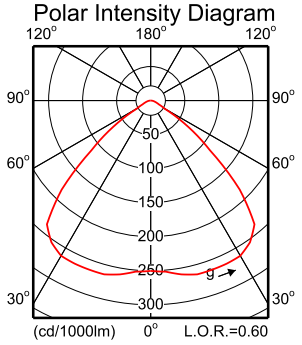
TBS742 TL5C60W/830 HFP O IP WH

Photometric data

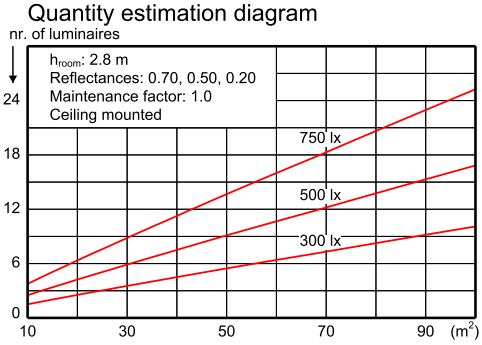
TBS742 1xTL5C60W HFP

1 x 5000 lm

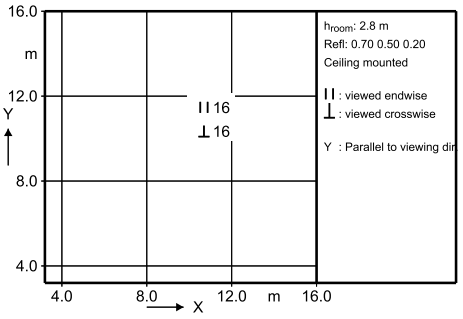
Polar Intensity Diagram



Quantity estimation diagram



UGR diagram



Light output ratio	0.60
Service upward	0.00
Service downward	0.60
CIE flux code	67 96 99 100 60
S/H ratio crosswise	max. 1.5
lengthwise	max. 1.6
UGRcen (4Hx8H, 0.25H)	15
EN12464-1	65 deg, 1000 cd/m2
CIBSE: LG3	65 deg, 1000 cd/m2
UTE71-121:	0.60C + 0.00T

Utilisation factor table

Room Index k	Reflectances (%) for ceiling, walls and working plane (CIE)											
	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00	
	0.50	0.50	0.50	0.50	0.50	0.30	0.30	0.10	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	0.00	
0.60	0.36	0.34	0.36	0.35	0.34	0.30	0.30	0.28	0.30	0.28	0.27	
0.80	0.43	0.40	0.42	0.41	0.40	0.36	0.36	0.33	0.35	0.33	0.32	
1.00	0.48	0.45	0.47	0.46	0.44	0.41	0.40	0.38	0.40	0.38	0.37	
1.25	0.53	0.49	0.52	0.50	0.48	0.45	0.45	0.42	0.44	0.42	0.41	
1.50	0.56	0.51	0.55	0.53	0.51	0.48	0.47	0.45	0.47	0.45	0.44	
2.00	0.62	0.55	0.60	0.57	0.55	0.52	0.52	0.50	0.51	0.49	0.48	
2.50	0.65	0.57	0.63	0.60	0.57	0.55	0.54	0.53	0.53	0.52	0.51	
3.00	0.67	0.59	0.65	0.61	0.58	0.57	0.56	0.54	0.55	0.54	0.52	
4.00	0.70	0.60	0.68	0.63	0.60	0.58	0.57	0.56	0.56	0.56	0.54	
5.00	0.71	0.61	0.69	0.64	0.60	0.59	0.58	0.57	0.57	0.57	0.55	

Ceiling mounted

Luminance Table

Plane / Cone	0.0	45.0	90.0
45.0	5472	5472	5472
50.0	3597	3597	3597
55.0	2313	2313	2313
60.0	874	874	874
65.0	555	555	555
70.0	441	441	441
75.0	349	349	349
80.0	289	289	289
85.0	192	192	192
90.0	0	0	0

(cd/m2)

LVW1342400

2012-05-03

TBS742 1xTL5C60W HFP



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2013, July 9
data subject to change



Rotaris TBS742

TBS742 TL5C60W/830 HFP O BR IP WH

TBS742 - MASTER TL5 Circular - 60 W - HF Performer - Opal - Bracket - Standard

The defining visual characteristic of the Rotaris product range, which is based on the innovative TL5 Circular lamp, is its concentric circles. The semi-high-gloss aluminum centerpiece is surrounded by an opal or clear lamp cover, the inside of which has a prismatic structure, again in concentric circles. Continuing outwards, the high-reflectance optic is made of the same semi-high-gloss aluminum. With the TBS740, the outer rim of the luminaire, which forms one piece with the optic, interfaces with the ceiling, ensuring the smooth visual integration of Rotaris in the space. With the TBS742, the circular form is integrated in a square metal tile, which makes it the ideal fit for standard visible or concealed ceiling grids (625 x 625). Glare is controlled in all viewing directions by Omnidirectional Luminance Control technology. Within the Rotaris family, a complete range of surface-mounted, recessed and suspended luminaires is available.

Product data

• General information

Product family code	TBS742 [TBS742]
Number of lamps	1 [1 pc]
Lamp family code	TL5C [MASTER TL5 Circular]
Lamp power	60 W [60 W]
Lamp color code	830 [830 warm white]
Kombipack	K [Lamp(s) included]
Gear	HFP [HF Performer]
Optical cover	O [Opal]
Emergency lighting	No [-]
Lighting control unit	No [-]
Separate switching	No [-]
Internal wiring	STD [Standard]
Fuse	No [-]
Connection	No [-]
Safety class	CLI [Safety class I]
IP code	IP20 [Finger-protected]
IK code	IK02 [0.2 J standard]
Suspension/ mounting	BR [Bracket]
Infill plate	IP [Standard]
Color	WH [White]
Glow-wire test	850/5 [Temperature 850 °C, duration 5 s]
Flammability mark	F [For mounting on normally flammable surfaces]
Safety device	No [-]
Centre luminaire	No [-]
European Community mark	CE [CE mark]
ENEC mark	ENEC [ENEC mark]

• Electrical

Supply voltage	220-240 V [220 to 240 V]

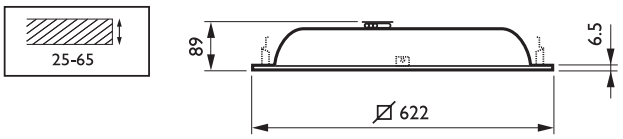
• Product Data

Order code	910501652303
Full product code	910501652303
Full product name	TBS742 TL5C60W/830 HFP O BR IP WH
Order product name	TBS742 1xTL5C60W/830 HFP O BR IP WH
Pieces per pack	0
Packs per outerbox	1
Bar code on outerbox - EAN3	8711559635149
Logistic code(s) - 12NC	910501652303
Net weight per piece	4.000 kg

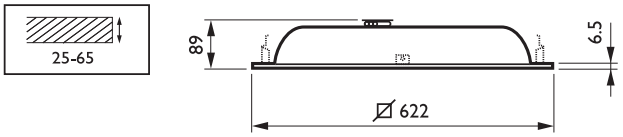


PHILIPS

Dimensional drawing



TBS742 TL5C60W/830 HFP O BR IP WH



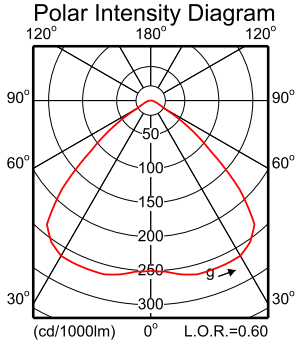
TBS742 TL5C60W/830 HFP O BR IP WH

Photometric data

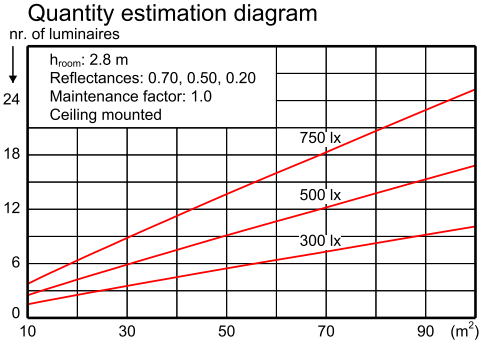
TBS742 1xTL5C60W HFP

1 x 5000 lm

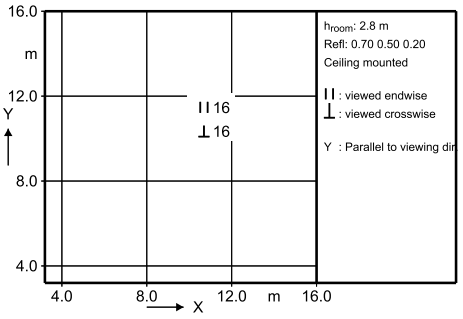
Polar Intensity Diagram



Quantity estimation diagram



UGR diagram



Light output ratio	0.60
Service upward	0.00
Service downward	0.60
CIE flux code	67 96 99 100 60
S/H ratio crosswise	max. 1.5
lengthwise	max. 1.6
UGRcen (4Hx8H, 0.25H)	15
EN12464-1	65 deg, 1000 cd/m2
CIBSE: LG3	65 deg, 1000 cd/m2
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Utilisation factor table

Room Index k	Reflectances (%) for ceiling, walls and working plane (CIE)											
	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00	
	0.50	0.50	0.50	0.50	0.50	0.30	0.30	0.10	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	0.00	
0.60	0.36	0.34	0.36	0.35	0.34	0.30	0.30	0.28	0.30	0.28	0.27	
0.80	0.43	0.40	0.42	0.41	0.40	0.36	0.36	0.33	0.35	0.33	0.32	
1.00	0.48	0.45	0.47	0.46	0.44	0.41	0.40	0.38	0.40	0.38	0.37	
1.25	0.53	0.49	0.52	0.50	0.48	0.45	0.45	0.42	0.44	0.42	0.41	
1.50	0.56	0.51	0.55	0.53	0.51	0.48	0.47	0.45	0.47	0.45	0.44	
2.00	0.62	0.55	0.60	0.57	0.55	0.52	0.52	0.50	0.51	0.49	0.48	
2.50	0.65	0.57	0.63	0.60	0.57	0.55	0.54	0.53	0.53	0.52	0.51	
3.00	0.67	0.59	0.65	0.61	0.58	0.57	0.56	0.54	0.55	0.54	0.52	
4.00	0.70	0.60	0.68	0.63	0.60	0.58	0.57	0.56	0.56	0.56	0.54	
5.00	0.71	0.61	0.69	0.64	0.60	0.59	0.58	0.57	0.57	0.57	0.55	

Ceiling mounted

Luminance Table

Plane / Cone	0.0	45.0	90.0
45.0	5472	5472	5472
50.0	3597	3597	3597
55.0	2313	2313	2313
60.0	874	874	874
65.0	555	555	555
70.0	441	441	441
75.0	349	349	349
80.0	289	289	289
85.0	192	192	192
90.0	0	0	0

(cd/m2)

LVW1342400

2012-05-03

TBS742 1xTL5C60W HFP



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2013, July 9
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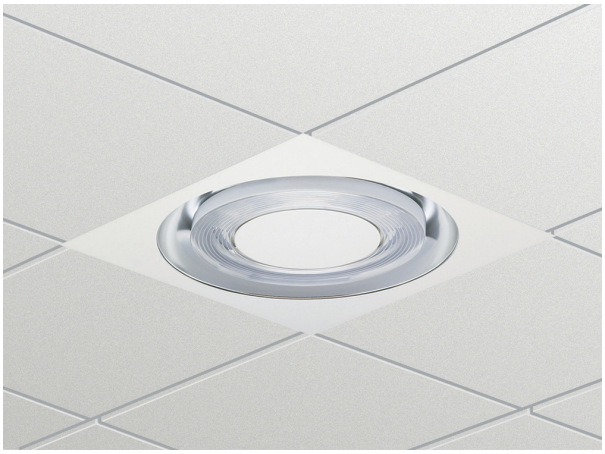

Rotaris TBS742

TBS742 TL5C60W/830 HFP P IP WH

TBS742 - MASTER TL5 Circular - 60 W - HF Performer - Clear prismatic - Standard

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Lamp color code	830 [830 warm white]
Kombipack	K [Lamp(s) included]
Gear	HFP [HF Performer]
Optical cover	P [Clear prismatic]
Emergency lighting	No [-]
Lighting control unit	No [-]
Separate switching	No [-]
Internal wiring	STD [Standard]
Fuse	No [-]
Connection	No [-]
Safety class	CLI [Safety class I]
IP code	IP20 [Finger-protected]
IK code	IK02 [0.2 J standard]
Suspension/ mounting	No [-]
Infill plate	IP [Standard]
Color	WH [White]
Glow-wire test	850/5 [Temperature 850 °C, duration 5 s]
Flammability mark	F [For mounting on normally flammable surfaces]
Safety device	No [-]
Centre luminaire	No [-]
European Community mark	CE [CE mark]
ENEC mark	ENEC [ENEC mark]

• Electrical

Supply voltage	220-240 V [220 to 240 V]

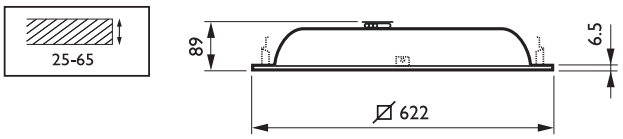
• Product Data

Order code	910501651803
Full product code	910501651803
Full product name	TBS742 TL5C60W/830 HFP P IP WH
Order product name	TBS742 1xTL5C60W/830 HFP P IP WH
Pieces per pack	0
Packs per outerbox	1
Bar code on outerbox - EAN3	8711559635095
Logistic code(s) - 12NC	910501651803
Net weight per piece	4.000 kg

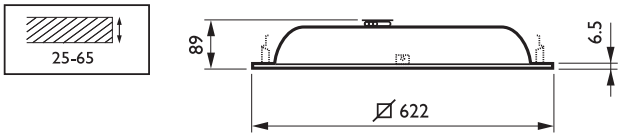


PHILIPS

Dimensional drawing



TBS742 TL5C60W/830 HFP P IP WH



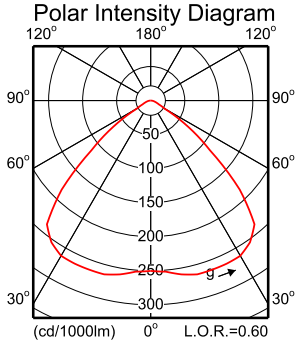
TBS742 TL5C60W/830 HFP P IP WH

Photometric data

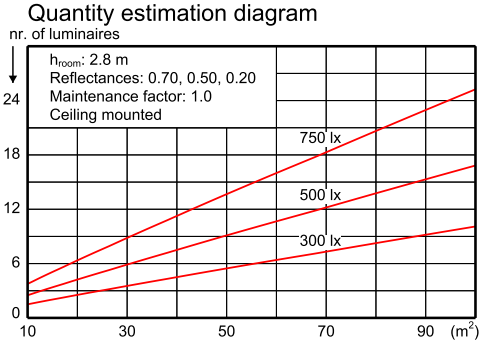
TBS742 1xTL5C60W HFP

1 x 5000 lm

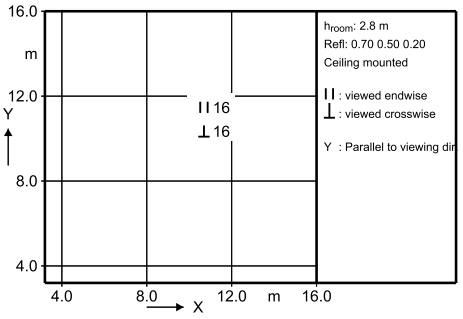
Polar Intensity Diagram



Quantity estimation diagram



UGR diagram



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Service downward	0.60
CIE flux code	67 96 99 100 60
S/H ratio crosswise	max. 1.5
lengthwise	max. 1.6
UGRcen (4Hx8H, 0.25H)	15
EN12464-1	65 deg, 1000 cd/m2
CIBSE: LG3	65 deg, 1000 cd/m2
UTE71-121:	0.60C + 0.00T

Utilisation factor table

Room Index k	Reflectances (%) for ceiling, walls and working plane (CIE)											
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	0.50	0.50	0.50	0.50	0.50	0.30	0.30	0.10	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	0.00	
0.60	0.36	0.34	0.36	0.35	0.34	0.30	0.30	0.28	0.30	0.28	0.27	
0.80	0.43	0.40	0.42	0.41	0.40	0.36	0.36	0.33	0.35	0.33	0.32	
1.00	0.48	0.45	0.47	0.46	0.44	0.41	0.40	0.38	0.40	0.38	0.37	
1.25	0.53	0.49	0.52	0.50	0.48	0.45	0.45	0.42	0.44	0.42	0.41	
1.50	0.56	0.51	0.55	0.53	0.51	0.48	0.47	0.45	0.47	0.45	0.44	
2.00	0.62	0.55	0.60	0.57	0.55	0.52	0.52	0.50	0.51	0.49	0.48	
2.50	0.65	0.57	0.63	0.60	0.57	0.55	0.54	0.53	0.53	0.52	0.51	
3.00	0.67	0.59	0.65	0.61	0.58	0.57	0.56	0.54	0.55	0.54	0.52	
4.00	0.70	0.60	0.68	0.63	0.60	0.58	0.57	0.56	0.56	0.56	0.54	
5.00	0.71	0.61	0.69	0.64	0.60	0.59	0.58	0.57	0.57	0.57	0.55	

Ceiling mounted

Luminance Table

Plane / Cone	0.0	45.0	90.0
45.0	5472	5472	5472
50.0	3597	3597	3597
55.0	2313	2313	2313
60.0	874	874	874
65.0	555	555	555
70.0	441	441	441
75.0	349	349	349
80.0	289	289	289
85.0	192	192	192
90.0	0	0	0

(cd/m2)

LVW1342400

2012-05-03

TBS742 1xTL5C60W HFP



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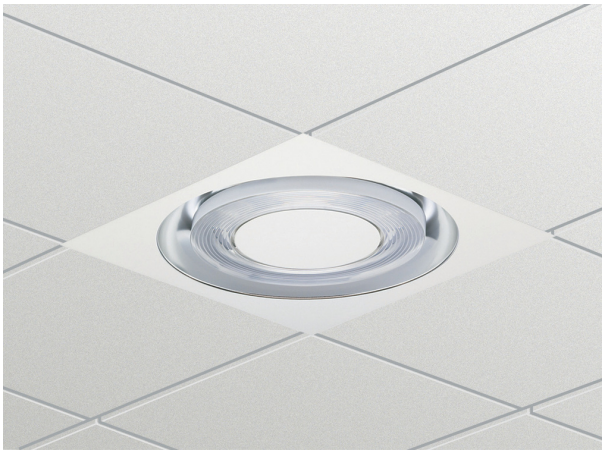


Rotaris TBS742

TBS742 TL5C60W/840 HFP P BR IP WH

TBS742 - MASTER TL5 Circular - 60 W - HF Performer - Clear prismatic - Bracket - Standard

The defining visual characteristic of the Rotaris product range, which is based on the innovative TL5 Circular lamp, is its concentric circles. The semi-high-gloss aluminum centerpiece is surrounded by an opal or clear lamp cover, the inside of which has a prismatic structure, again in concentric circles. Continuing outwards, the high-reflectance optic is made of the same semi-high-gloss aluminum. With the TBS740, the outer rim of the luminaire, which forms one piece with the optic, interfaces with the ceiling, ensuring the smooth visual integration of Rotaris in the space. With the TBS742, the circular form is integrated in a square metal tile, which makes it the ideal fit for standard visible or concealed ceiling grids (625 x 625). Glare is controlled in all viewing directions by Omnidirectional Luminance Control technology. Within the Rotaris family, a complete range of surface-mounted, recessed and suspended luminaires is available.

Product data

• General information

Product family code	TBS742 [TBS742]
Number of lamps	1 [1 pc]
Lamp family code	TL5C [MASTER TL5 Circular]
Lamp power	60 W [60 W]
Lamp color code	840 [840 cool white]
Kombipack	K [Lamp(s) included]
Gear	HFP [HF Performer]
Optical cover	P [Clear prismatic]
Emergency lighting	No [-]
Lighting control unit	No [-]
Separate switching	No [-]
Internal wiring	STD [Standard]
Fuse	No [-]
Connection	No [-]
Safety class	CLI [Safety class I]
IP code	IP20 [Finger-protected]
IK code	IK02 [0.2 J standard]
Suspension/ mounting	BR [Bracket]
Infill plate	IP [Standard]
Color	WH [White]
Glow-wire test	850/5 [Temperature 850 °C, duration 5 s]
Flammability mark	F [For mounting on normally flammable surfaces]
Safety device	No [-]
Centre luminaire	No [-]
European Community mark	CE [CE mark]
ENEC mark	ENEC [ENEC mark]

• Electrical

Supply voltage	220-240 V [220 to 240 V]

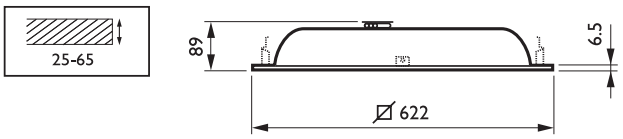
• Product Data

Order code	910501653103
Full product code	910501653103
Full product name	TBS742 TL5C60W/840 HFP P BR IP WH
Order product name	TBS742 1xTL5C60W/840 HFP P BR IP WH
Pieces per pack	0
Packs per outerbox	1
Bar code on outerbox - EAN3	8711559635583
Logistic code(s) - 12NC	910501653103
Net weight per piece	4.000 kg

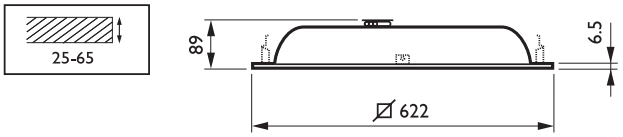


PHILIPS

Dimensional drawing



TBS742 TL5C60W/840 HFP P BR IP WH



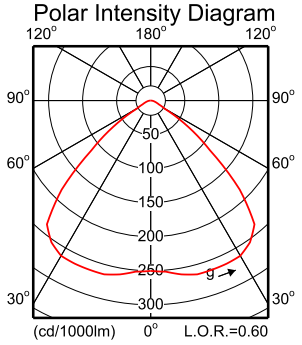
TBS742 TL5C60W/840 HFP P BR IP WH

Photometric data

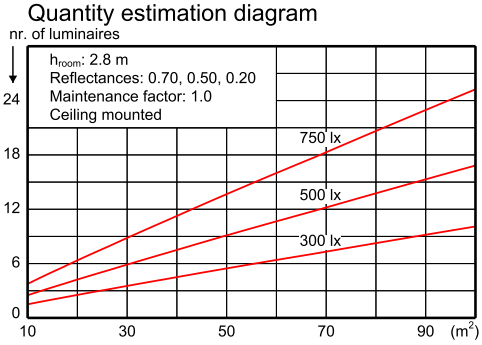
TBS742 1xTL5C60W HFP

1 x 5000 lm

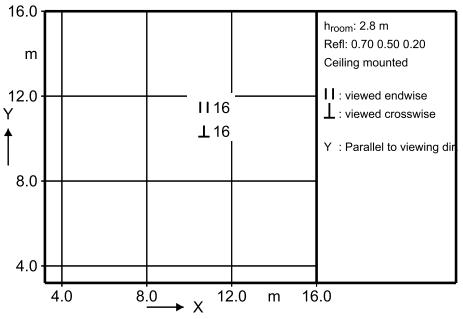
Polar Intensity Diagram



Quantity estimation diagram



UGR diagram



Light output ratio	0.60
Service upward	0.00
Service downward	0.60
CIE flux code	67 96 99 100 60
S/H ratio crosswise	max. 1.5
lengthwise	max. 1.6
UGRcen (4Hx8H, 0.25H)	15
EN12464-1	65 deg, 1000 cd/m2
CIBSE: LG3	65 deg, 1000 cd/m2
UTE71-121:	0.60C + 0.00T

Utilisation factor table

Room Index k	Reflectances (%) for ceiling, walls and working plane (CIE)											
	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00	
	0.50	0.50	0.50	0.50	0.50	0.30	0.30	0.10	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	0.00	
0.60	0.36	0.34	0.36	0.35	0.34	0.30	0.30	0.28	0.30	0.28	0.27	
0.80	0.43	0.40	0.42	0.41	0.40	0.36	0.36	0.33	0.35	0.33	0.32	
1.00	0.48	0.45	0.47	0.46	0.44	0.41	0.40	0.38	0.40	0.38	0.37	
1.25	0.53	0.49	0.52	0.50	0.48	0.45	0.45	0.42	0.44	0.42	0.41	
1.50	0.56	0.51	0.55	0.53	0.51	0.48	0.47	0.45	0.47	0.45	0.44	
2.00	0.62	0.55	0.60	0.57	0.55	0.52	0.52	0.50	0.51	0.49	0.48	
2.50	0.65	0.57	0.63	0.60	0.57	0.55	0.54	0.53	0.53	0.52	0.51	
3.00	0.67	0.59	0.65	0.61	0.58	0.57	0.56	0.54	0.55	0.54	0.52	
4.00	0.70	0.60	0.68	0.63	0.60	0.58	0.57	0.56	0.56	0.56	0.54	
5.00	0.71	0.61	0.69	0.64	0.60	0.59	0.58	0.57	0.57	0.57	0.55	

Ceiling mounted

Luminance Table

Plane / Cone	0.0	45.0	90.0
45.0	5472	5472	5472
50.0	3597	3597	3597
55.0	2313	2313	2313
60.0	874	874	874
65.0	555	555	555
70.0	441	441	441
75.0	349	349	349
80.0	289	289	289
85.0	192	192	192
90.0	0	0	0

(cd/m2)

LVW1342400

2012-05-03

TBS742 1xTL5C60W HFP



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2013, July 9
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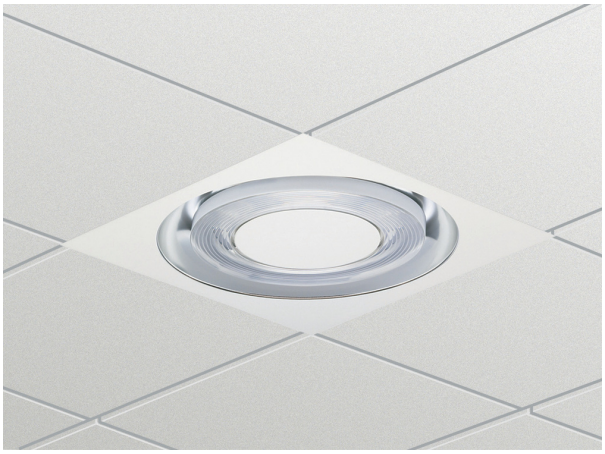

Rotaris TBS742

TBS742 TL5C60W/840 HFP P IP WH

TBS742 - MASTER TL5 Circular - 60 W - HF Performer - Clear prismatic - Standard

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Kombipack	K [Lamp(s) included]
Gear	HFP [HF Performer]
Optical cover	P [Clear prismatic]
Emergency lighting	No [-]
Lighting control unit	No [-]
Separate switching	No [-]
Internal wiring	STD [Standard]
Fuse	No [-]
Connection	No [-]
Safety class	CLI [Safety class I]
IP code	IP20 [Finger-protected]
IK code	IK02 [0.2 J standard]
Suspension/ mounting	No [-]
Infill plate	IP [Standard]
Color	WH [White]
Glow-wire test	850/5 [Temperature 850 °C, duration 5 s]
Flammability mark	F [For mounting on normally flammable surfaces]
Safety device	No [-]
Centre luminaire	No [-]
European Community mark	CE [CE mark]
ENEC mark	ENEC [ENEC mark]

• Electrical

Supply voltage	220-240 V [220 to 240 V]

• Product Data

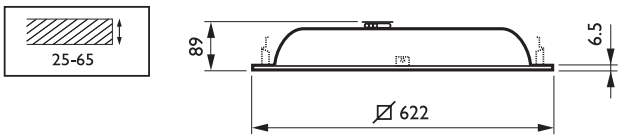
Order code	910501653003
Full product code	910501653003
Full product name	TBS742 TL5C60W/840 HFP P IP WH
Order product name	TBS742 1xTL5C60W/840 HFP P IP WH
Pieces per pack	0
Packs per outerbox	1
Bar code on outerbox - EAN3	8711559635576
Logistic code(s) - 12NC	910501653003
Net weight per piece	4.000 kg



PHILIPS

Rotaris TBS742

Dimensional drawing



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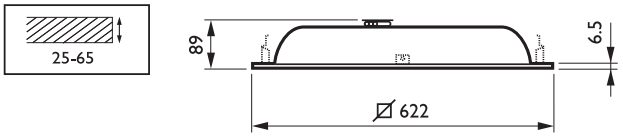


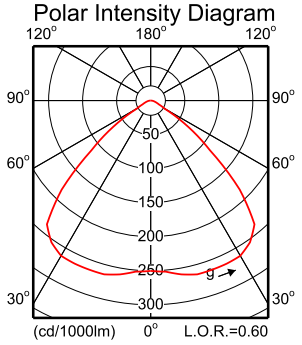
TBS742 TL5C60W/840 HFP P IP WH

Photometric data

TBS742 1xTL5C60W HFP

1 x 5000 lm

Polar Intensity Diagram



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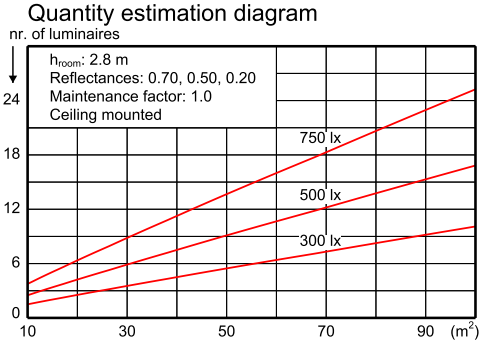
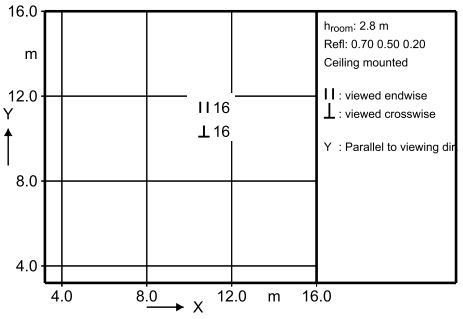


UGR diagram



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70.0	441	441	441
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80.0	289	289	289
85.0	192	192	192
90.0	0	0	0

(cd/m2)

LVW1342400

2012-05-03

TBS742 1xTL5C60W HFP



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