

PHILIPS Day-Brite CFI

Healthcare

DuoCare Patient Room Luminaire

DCE Series
Exam Function



Project: _____
Location: _____
Cat.No: _____
Type: _____
Lamps: _____ Qty: _____
Notes: _____

The Philips Day-Brite / Philips CFI DuoCare Patient Room Luminaire provides examination illumination for the patient room. The two luminaire system is positioned parallel to the sides of the patient bed. Each luminaire has a single T5 or T5HO lamp positioned with an asymmetrical reflector to provide a crossing pattern of illumination that minimizes shadows. The lensed door presents a smooth surface that is easy to clean and limits dust within the luminaire itself.

Ordering guide

Example: DCET5HOM12G120FR1SBF

Model no.	Master Satellite	Finish	Voltage ²	Door Frame	Options
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
4' nominal lengths DCET5 (1) F28T5 DCET5HO (1) F54T5HO	M6' Master with 6' whip M9' Master with 9' whip M12' Master with 12' whip M15' Master with 15' whip S' Satellite SA Individual (stand alone) fixture	G Grid mounting F Recessed with flange	120 277	FR1 Painted steel frame with hinge and stainless steel screws FR2 Painted extruded aluminum frame with hinge and stainless steel screws FR3 Clear anodized extruded aluminum frame with hinge and stainless steel screws	EM1^{3,4} Emergency ballast GMF Slow blow fuse EQC Earthquake clips

Footnotes

- Each patient bed application requires two (2) luminaires - a master and a satellite.
- 347V not available
- The EM1 is only available on a master luminaire or an individual (stand alone) luminaire.
- The emergency ballast operates the lamp in the master or individual fixture.

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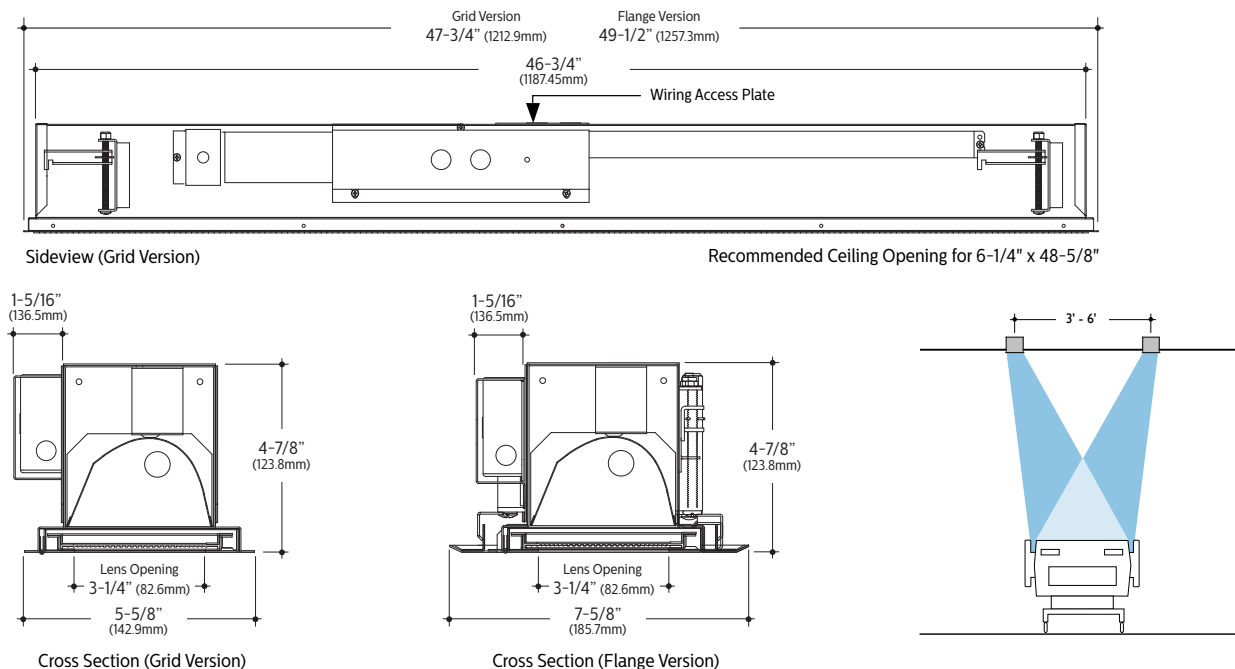
Features

- Small cross-section provides greater flexibility of positioning the luminaires.
- DuoCare Exam is available in either a grid or flange version.
- The housing and door frame have an antimicrobial paint finish that inhibits microbe growth for the life of the product.

Specifications

- **Construction:** 20 gauge cold rolled steel housing painted after fabrication. The housing is gasketed where it meets the door frame. The flange is formed from 18 gauge cold rolled steel.
- **Door Frame:** The door is available in cold rolled steel or extruded aluminum. The one-piece, cold rolled steel version is fabricated from 20 gauge material and painted. The extruded aluminum door has mitered corners and can be selected either in a clear or painted finish. All door options have a full length stainless steel hinge and stainless steel screws to secure the door to the housing.
- **Reflectors:** DuoCare Exam utilizes a specular aluminum reflector assembly.
- **Lens:** A custom acrylic lens (nominal .065" thickness) with linear prisms provides asymmetrical control. The linear prisms are oriented toward the interior of the luminaire allowing a smooth room-side surface for easy wipe down.
- **Finish:** The housing, painted door frames and flange are painted after fabrication with white polyester powder coat paint. The finish has an antimicrobial additive to inhibit the growth of microbes.
- **Lamps:** One T5 or T5HO lamp is provided with each luminaire. 3500K is the standard color temperature. Alternative color temperatures can be specified. Consult factory.
- **Switching:** It is recommended that DuoCare Exam be switched at the wall where it can be controlled by the healthcare staff.
- **Electrical:** Electronic, high power factor ballast.
- **Installation:** DuoCare can be specified for either grid or flange applications. A pair of luminaires are required for each patient bed – a master and a satellite. The master luminaire containing the ballast is shipped with an interconnect whip to connect the satellite luminaire. The interconnect whip is pre-wired and has plugs to further simplify the installation. The individual (stand alone) model is identical to a master model but without the interconnect whip.
- **Listing:** cULus listed for damp locations.
- **Warranty:** 5 year limited warranty.

Dimensions



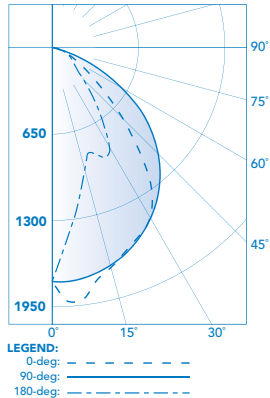
Some luminaires use fluorescent or high intensity discharge (HID) lamps that contain small amounts of mercury. Such lamps are labeled, "Contain Mercury" and/or the symbol "HG". Lamps that contain mercury must be disposed of in accordance with local requirements. Information regarding lamp recycling and disposal can be found at www.lamprecycle.org

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Exam Function

DCET5HO

(1) 54W T5HO Fluorescent -
4450 lumens per lamp
Report No.: ITL62364
Efficiency: 72.2%



CO-EFFICIENTS OF UTILIZATION | Effective floor cavity reflectance=20%

rc rw	80				70				50				30				10				0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	0	86	86	86	86	84	84	84	84	80	80	80	77	77	77	74	74	74	72	72	0
1	80	77	74	72	78	75	73	71	72	70	69	70	68	67	67	66	65	63	63	63	0
2	74	69	64	61	72	67	63	60	65	62	59	63	60	57	60	58	56	55	55	55	0
3	68	61	56	52	66	60	56	52	58	54	51	56	53	50	55	52	49	48	48	48	0
4	63	55	50	45	61	54	49	45	53	48	44	51	47	44	49	46	43	42	42	42	0
5	58	50	44	40	57	49	44	40	48	43	39	46	42	39	45	41	38	37	37	37	0
6	54	45	40	35	53	45	39	35	44	39	35	42	38	35	41	37	34	33	33	33	0
7	51	42	36	32	49	41	36	32	40	35	31	39	35	31	38	34	31	30	30	30	0
8	47	38	33	29	46	38	32	29	37	32	28	36	32	28	35	31	28	27	27	27	0
9	44	35	30	26	43	35	30	26	34	29	26	33	29	26	33	29	26	24	24	24	0
10	42	33	27	24	41	32	27	24	32	27	24	31	27	24	30	26	24	22	22	22	0

CANDLEPOWER DISTRIBUTION

Vertical Angle	Horizontal Angle				
	0°	45°	90°	135°	180°
0°	1758	1758	1758	1758	1758
5°	1923	1908	1759	1536	1422
15°	1714	1762	1693	1136	954
25°	1559	1562	1571	781	912
35°	1307	1317	1382	787	653
45°	758	1032	1127	575	330
55°	352	586	807	277	205
65°	173	237	400	147	144
75°	79	87	115	82	82
85°	8	11	10	22	26
90°	0	0	0	0	0

ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt.
0-30	1178	26.5	36.7
0-40	1857	41.7	57.8
0-60	2848	64.0	88.6
0-90	3213	72.2	100.0
90-180	0	0.0	0.0
0-180	3213	72.2	100.0

