

DCW114

TAKTON



Benefits:

- High efficacy up to 163 lm/W
- High flux with components for industrial use
- Reliable LED technology – maintenance-free
- Direct replacement for conventional waterproof luminaires in terms of light performance, installation flexibility and length

FUNCTIONALITY

Initial LED luminaire efficacy:

116 – 150 lm/W depending on type

Optical cover:

Injection molded acrylic (PMMA). As option injection molded polycarbonate (PC)

Color Rendering Index (CRI):

> 80

Power supply:

Industrial driver Philips or Tridonic included

Light source:

OSRAM LED chips

ELECTRICAL PARAMETERS	Driver efficiency nominal: 0,87-0,92 depends on type Electrical isolation class IEC: Class I as a standard, Class II on request Input Frequency: 50-60 Hz Power factor nominal: 0,95 Input voltage: 220 – 240 V Power consumption: 49-125 W depending on type
MECHANICAL PARAMETERS	Ingress protection: IP65, (IP66, IP67 as option) Impact resistance: IK05, IK10 as option Installation: on surface Body material: Flame retardant glass-fibre reinforced polyester
OVERTIME PERFORMANCE	Driver service life time @10% failures: 50000-100 000 hours depends on type Initial system efficacy: 158-164Lm/W depends on type Luminous flux system tolerance: +/- 7% Median useful life of LED source: L80B20 - 50000 or 100000 hours depending on type Power consumption tolerance: +/- 7%
ENVIROMENTAL CONDITIONS	Ambient temperature range: -20+35 C

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GENERAL INFORMATION

Flammability:

Not fire resistant

CE mark:

CE mark

ROHS mark:

ROHS mark

Application:

- Parking garages
- Warehouses
- General lighting

PRODUCT FAMILY RANGE

Code	Type	Power, W	Initial luminous flux	Efficacy Lm/W	Color, K	Diffuser	Ingress protection code
700151252607**	DCW 114-120 LED080 49W 840 HE PMMA	49	8000	163	4000	Opal	IP 65
700151252608**	DCW 114-120 LED103 66W 840 HE PMMA	66	10300	156	4000	Opal	IP 65
700151252609**	DCW 114-150 LED120 78W 840 HE PMMA	78	12000	153	4000	Opal	IP 65
700151252014*	DCW 114-120 LED145 99W 840 High flux	99	14560	145	4000	Opal	IP 65
700151252019*	DCW 114-150 LED190 125W 840 High flux	125	19000	145	4000	Opal	IP 65

*Driver PHILIPS IXT and LED modules PHILIPS

**Driver Tridonic LED modules MST, LED chips OSRAM

Description	Number of luminaires per MCB		
	B10	B16	C10
DCW 114-120 LED080 49W 840 HE PMMA	15	24	25
DCW 114-120 LED103 66W 840 HE PMMA	15	24	25
DCW 114-150 LED120 78W 840 HE PMMA	14	22	23
DCW 114-120 LED145 99W 840 High flux	14	22	23
DCW 114-150 LED190 125W 840 High flux	8	12	12