

















DKL SERIES

DARKFIELD LIGHTS








Generally used to illuminate objects from camera axis with a small angle, emphasizing small cracks, lines and reliefs of the piece to be inspected and also eliminating the brightness and shadows. This series of direct light darkfields is specially thought for providing a huge amount of light to highlight edges and possible variations in height when taking photographs.

TECHNICAL DATA	DKL1813A	DKL2418A	DKL3223A	DKL4130A
 DIRECT LIGHT				
DIMENSIONS	188x188x13	240x240x13	337x337x13	394x394x13
INNER Ø	130	180	230	300
RWD (mm)	<10	<15	<20	<20
WEIGHT	340g	430g	930g	1180g
IP RATING	IP50	IP50	IP50	IP50
MOUNTING HOLES	(x8)Ø4▽THRU	(x8)Ø4▽THRU	(x8)Ø4▽THRU	(x8)Ø5▽THRU
CONNECTION	Pre-cabled with free terminals 2x0.5mm ² Length = 1.8m BN = +24V BU = 0V	Pre-cabled with free terminals 2x0.5mm ² Length = 1.8m BN = +24V BU = 0V	Pre-cabled with free terminals 2x0.5mm ² Length = 1.8m BN = +24V BU = 0V	Pre-cabled with free terminals 2x0.5mm ² Length = 1.8m BN = +24V BU = 0V
MODIFIERS ¹	NO	NO	NO	NO
ACCESSORIES ²				
MAX. OPERATING HUMIDITY	85% non-condensing	85% non-condensing	85% non-condensing	85% non-condensing
OPERATING T°	0 - 40°C	0 - 40°C	0 - 40°C	0 - 40°C
STORAGE T°	0 - 60°C	0 - 60°C	0 - 60°C	0 - 60°C
HOUSING MATERIAL	Anodized aluminium	Anodized aluminium	Anodized aluminium	Anodized aluminium

(1) Optional modifications on the standard lighting system from manufacturing.
(2) Accessories are non-included. More information in accessories section.

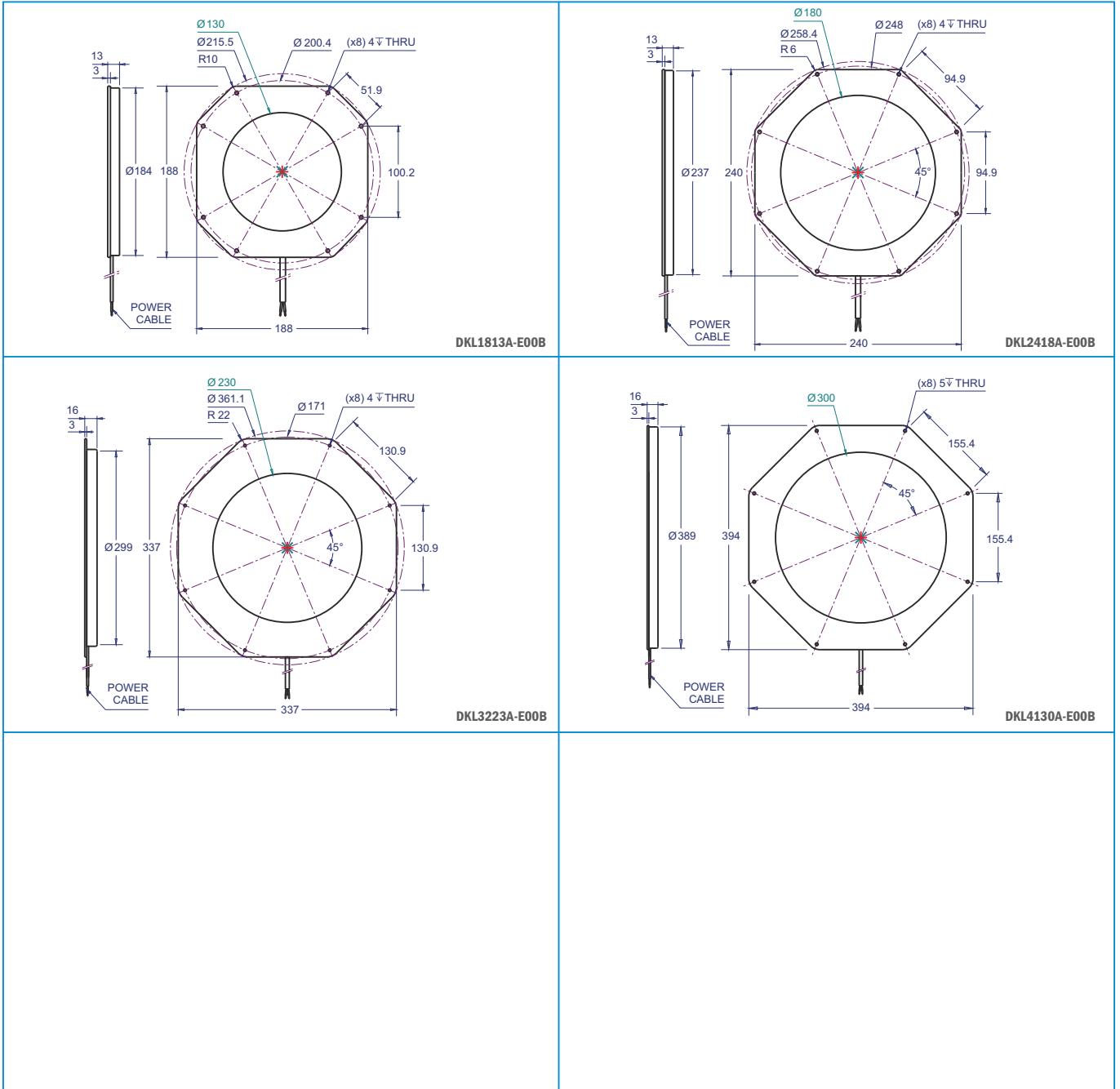
INSTANTANEOUS CONSUMPTION (Max.)	Lighting model*				WT*	
	DKL1813A	DKL2418A	DKL3223A	DKL4130A		
TYPE C (24VDC)	 B	5W	7.6W	20W	27W	-470C
	 G	5W	7.6W	20W	27W	-525C
	 R	5W	5W	18W	20W	-630C
	 i	2.9W	5.3W	12W	19W	-880C
	 IR+	2.9W	5.3W	12W	19W	-940C
TYPE P (24VDC) D _{max} = 1/2 Ton max= 60s	 UV-	6.4W	9.5W	25W	34W	-365P
	 U	6.4W	9.5W	25W	34W	-400P
	 W	6.4W	9.5W	25W	42W	-W00P
TYPE S D _{max} = 1/20 Ton max= 2ms	 UV-	1055mA / 25W	1585mA / 38W	4225mA / 101W	5630mA / 135W	-365S
	 U	1320mA / 32W	1585mA / 38W	5280mA / 127W	7040mA / 169W	-400S
	 B	1320mA / 32W	1585mA / 38W	5280mA / 127W	7040mA / 169W	-470S
	 G	1320mA / 32W	1585mA / 38W	5280mA / 127W	7040mA / 169W	-525S
	 R	880mA / 21W	1320mA / 32W	3520mA / 84W	5630mA / 135W	-630S
	 i	1045mA / 25W	1880mA / 45W	4180mA / 100W	6690mA / 161W	-880S
	 IR+	1045mA / 25W	1880mA / 45W	4180mA / 100W	6690mA / 161W	-940S
	 W	1320mA / 32W	1585mA / 38W	5280mA / 127W	7040mA / 169W	-W00S

Take note that consumption table is for guidance. To refer to real values, consult product label when purchasing. | *ORDER REFERENCE = Lighting model + WT

 UV- (365nm)  UV (400nm)  BLUE (470nm)  GREEN (525nm)  RED (630nm)  IR (880nm)  IR+ (940nm)  WHITE



► **TECHNICAL DRAWINGS** (All units in millimeters, if not indicated)



► **ADDITIONAL INFORMATION**



Example of DKL captured image