



BKL SERIES

AREA BACK-LIGHTS (1/3) - BKL0303A to BKL1007B

Posterior diffuse lighting system usually design to measure precisely or emphasize light-dark differences by contrast that allows to have good images of object's shape.

Are used to inspect profiles and edges also used for bright fields creation.

TECHNICAL DATA	BKL0303A	BKL0504B	BKL0505A	BKL0705B	BKL0707B	BKL1007B
ULTRA DIFFUSE LIGHT						
DIMENSIONS	40x34x22	52x55x22	62x55x22	75x75x22	86x77x22	89x107x22
ACTIVE SURFACE	30x30	40x50	50x50	50x70	70x70	70x100
WEIGHT	45g	85g	91g	185g	196g	255g
IP RATING	IP50	IP50	IP50	IP50	IP50	IP50
MOUNTING HOLES	(x2)M4 ∇ 6	(x4)M4 ∇ 6	(x4)M4 ∇ 6	(x6)M4 ∇ 6	(x6)M4 ∇ 6	(x6)M4 ∇ 6
CONNECTION (cable non-included)	2P male chassis connector. PIN 1 = +24V PIN 2 = 0V	2P male chassis connector. PIN 1 = +24V PIN 2 = 0V	2P male chassis connector. PIN 1 = +24V PIN 2 = 0V	2P male chassis connector. PIN 1 = +24V PIN 2 = 0V	2P male chassis connector. PIN 1 = +24V PIN 2 = 0V	2P male chassis connector. PIN 1 = +24V PIN 2 = 0V
MODIFIERS ¹	NO	NO	NO	NO	NO	NO
ACCESSORIES ²						
MAX. OPERATING HUMIDITY	85% non-condensing	85% non-condensing	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	0 - 40°C	0 - 40°C
STORAGE T°	0 - 60°C	0 - 60°C	0 - 60°C	0 - 60°C	0 - 60°C	0 - 60°C
HOUSING MATERIAL	Anodized aluminium	Anodized aluminium	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.

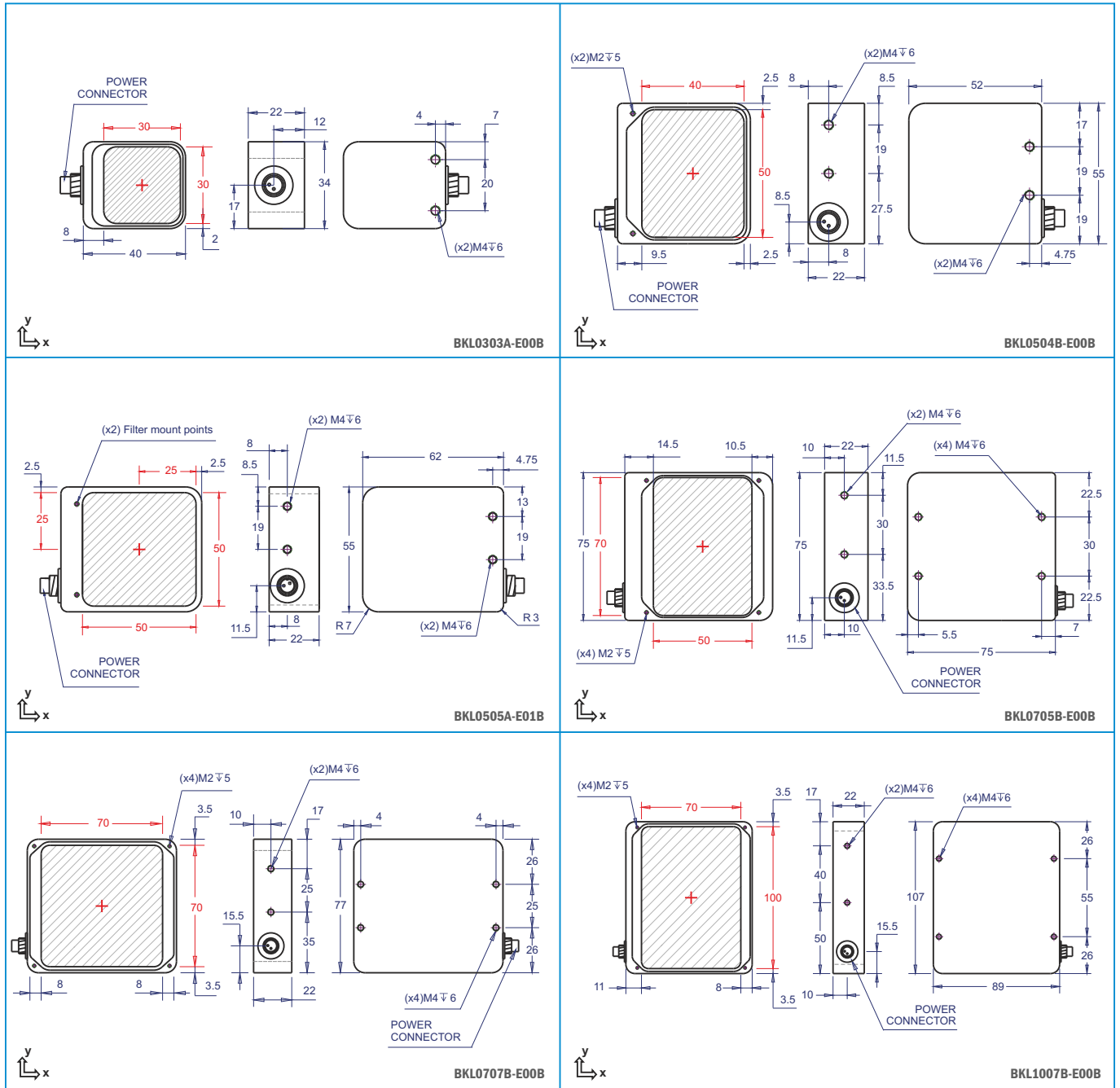
INSTANTANEOUS CONSUMPTION (Max.)	Lighting model*							WT*
	BKL0303A	BKL0504B	BKL0505A	BKL0705B	BKL0707B	BKL1007B		
TYPE C (24VDC)		1.6W	2W	3.1W	4.3W	6.4W	7.9W	-470C
		1.3W	1.6W	3.1W	2.9W	4.2W	4.8W	-525C
		1.1W	2.4W	3.8W	2.4W	3.1W	3.5W	-630C
		1.1W	2.6W	5.3W	2.4W	3.8W	4.8W	-880C
		1.1W	2.6W	5.3W	2.4W	3.8W	4.8W	-940C
		0.8W	2W	3.1W	4.3W	6.4W	7.9W	-W00C
TYPE P	No type P standard LED lighting systems on this series.							
TYPE S D _{max} = 1/20 Ton max= 2ms		440mA / 11W	165mA / 4W	705mA / 17W	895mA / 21W	1300mA / 31W	1320mA / 32W	-470S
		440mA / 11W	165mA / 4W	705mA / 17W	895mA / 21W	1300mA / 31W	1320mA / 32W	-525S
		220mA / 5.3W	550mA / 13W	705mA / 17W	1210mA / 29W	1760mA / 42W	2200mA / 53W	-630S
		220mA / 5.3W	550mA / 13W	705mA / 17W	550mA / 13W	880mA / 21W	1100mA / 26W	-880S
		220mA / 5.3W	550mA / 13W	705mA / 17W	550mA / 13W	880mA / 21W	1100mA / 26W	-940S
		440mA / 11W	225mA / 5.4W	705mA / 17W	895mA / 21W	1300mA / 31W	1630mA / 39W	-W00S

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

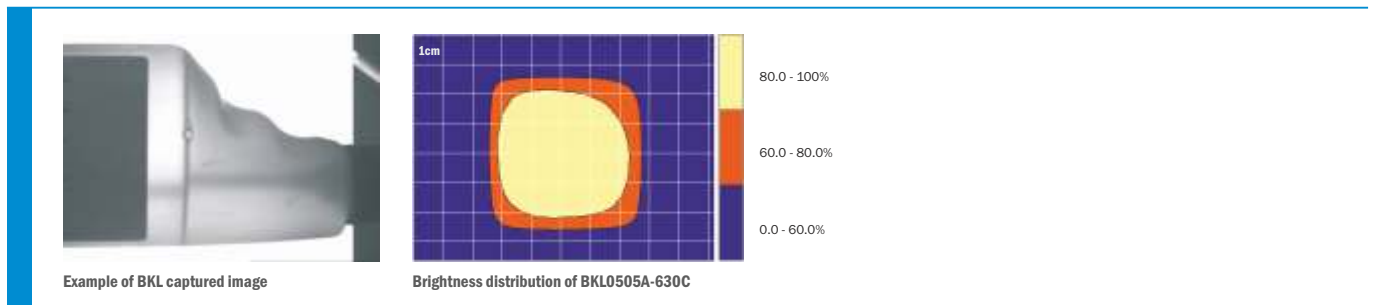
UV- (365nm) UV (400nm) BLUE (470nm) GREEN (525nm) RED (630nm) IR (880nm) IR+ (940nm) WHITE



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



ADDITIONAL INFORMATION





BKL SERIES

AREA BACK-LIGHTS (2/3) - BKL1010A to BKL2010A

Posterior diffuse lighting system usually design to measure precisely or emphasize light-dark differences by contrast that allows to have good images of object's shape.

Are used to inspect profiles and edges also used for bright fields creation.

TECHNICAL DATA	BKL1010A	BKL1510A	BKL1515B	BKL1818A	BKL2005A	BKL2010A
ULTRA DIFFUSE LIGHT						
DIMENSIONS	116x106x22	116x154x22	169x157x22	194x184x22	66x204x22	116x207x22
ACTIVE SURFACE	100x100	100x150	150x150	180x180	50x200	100x200
WEIGHT	305g	435g	620g	770g	370g	515g
IP RATING	IP50	IP50	IP50	IP50	IP50	IP50
MOUNTING HOLES	(x6)M4∇6	(x7)M4∇6	(x7)M4∇6	(x7)M4∇6	(x7)M4∇6	(x7)M4∇6
CONNECTION (cable non-included)	2P male chassis connector. PIN 1 = +24V PIN 2 = 0V	2P male chassis connector. PIN 1 = +24V PIN 2 = 0V	2P male chassis connector. PIN 1 = +24V PIN 2 = 0V	2P male chassis connector. PIN 1 = +24V PIN 2 = 0V	2P male chassis connector. PIN 1 = +24V PIN 2 = 0V	2P male chassis connector. PIN 1 = +24V PIN 2 = 0V
MODIFIERS ¹	NO	NO	NO	NO	NO	NO
ACCESSORIES ²						
MAX. OPERATING HUMIDITY	85% non-condensing	85% non-condensing	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	0 - 40°C	0 - 40°C
STORAGE T°	0 - 60°C	0 - 60°C	0 - 60°C	0 - 60°C	0 - 60°C	0 - 60°C
HOUSING MATERIAL	Anodized aluminium	Anodized aluminium	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*
		BKL1010A	BKL1510A	BKL1515B	BKL1818A	BKL2005A	BKL2010A	
TYPE C (24VDC)		9.2W	12W	17W	24W	8.4W	21W	-470C
		7.6W	8.3W	12W	17W	7.6W	15W	-525C
		7.6W	8.5W	11W	19W	5W	13W	-630C
		11W	12W	16W	27W	7.6W	19W	-880C
		11W	12W	16W	27W	7.6W	19W	-940C
		9.2W	12W	17W	24W	8.4W	25W	-W00C
TYPE P		No type P standard LED lighting systems on this series.						
TYPE S Dmax= 1/20 Ton max= 2ms		2110mA / 51W	2970mA / 71W	4355mA / 105W	5940mA / 143W	2110mA / 51W	5280mA / 127W	-470S
		2110mA / 51W	2970mA / 71W	4355mA / 105W	5940mA / 143W	2110mA / 51W	5280mA / 127W	-525S
		3520mA / 84W	4950mA / 119W	7620mA / 174W	9900mA / 238W	3520mA / 84W	8800mA / 211W	-630S
		2640mA / 63W	2970mA / 71W	3960mA / 95W	6600mA / 158W	1760mA / 42W	4400mA / 106W	-880S
		2640mA / 63W	2970mA / 71W	3960mA / 95W	6600mA / 158W	1760mA / 42W	4400mA / 106W	-940S
		2605mA / 63W	3665mA / 88W	5370mA / 129W	2605mA / 63W	2605mA / 63W	6510mA / 156W	-W00S

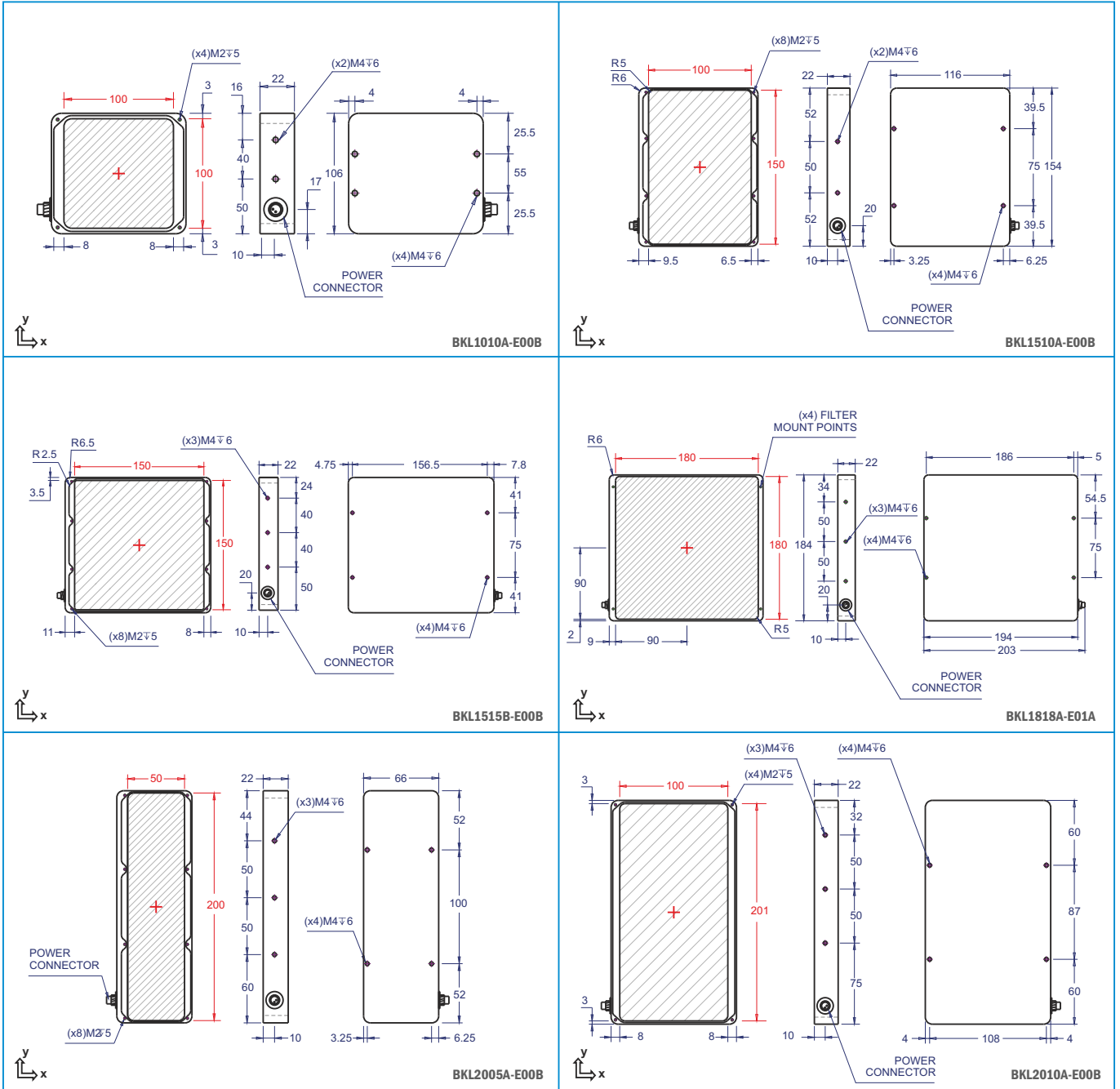
Take note that consumption table is for guidance. To refer to real values, consult product label when purchasing. | *ORDER REFERENCE = Lighting model + WT

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

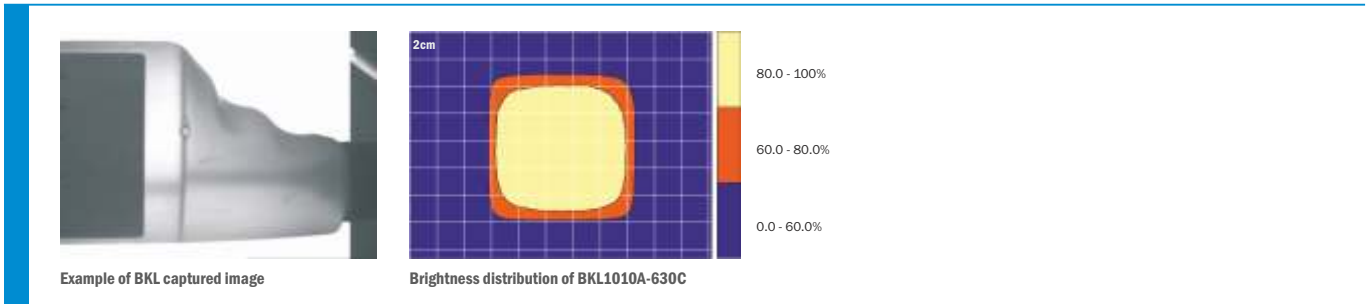




► **TECHNICAL DRAWINGS** (All units in millimeters, if not indicated)



► **ADDITIONAL INFORMATION**





BKL SERIES

AREA BACK-LIGHTS (3/3) - BKL2222A to BKL3005A

Posterior diffuse lighting system usually design to measure precisely or emphasize light-dark differences by contrast that allows to have good images of object's shape.

Are used to inspect profiles and edges also used for bright fields creation.

TECHNICAL DATA	BKL2222A	BKL2515B	BKL2518A	BKL3005A
ULTRA DIFFUSE LIGHT				
DIMENSIONS	239x227x22	169x257x22	198x255x22	69x204x22
ACTIVE SURFACE	220x220	150x250	180x250	50x300
WEIGHT	1195g	1015g	1125g	585g
IP RATING	IP50	IP50	IP50	IP50
MOUNTING HOLES	(x10)M4 ∇ 6	(x10)M4 ∇ 6	(x10)M4 ∇ 6	(x10)M4 ∇ 6
CONNECTION (cable non-included)	2P male chassis connector. PIN 1 = +24V PIN 2 = 0V	2P male chassis connector. PIN 1 = +24V PIN 2 = 0V	2P male chassis connector. PIN 1 = +24V PIN 2 = 0V	2P male chassis connector. PIN 1 = +24V PIN 2 = 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*	
	BKL2222A	BKL2515B	BKL2518A	BKL3005A		
TYPE C (24VDC)		38W	24W	28W	11W	-470C
		27W	18W	26W	10W	-525C
		23W	19W	24W	7.6W	-630C
		23W	24W	24W	5.5W	-880C
		23W	24W	24W	5.5W	-940C
		38W	24W	28W	11W	-W00C
TYPE P	No type P standard LED lighting systems on this series.					
TYPE S D _{max} = 1/20 Ton max= 2ms		9505mA / 228W	7390mA / 177W	13430mA / 322W	2705mA / 65W	-470S
		9505mA / 228W	7390mA / 177W	13430mA / 322W	2705mA / 65W	-525S
		15840mA / 380W	12320mA / 296W	18150mA / 436W	4100mA / 98W	-630S
		7920mA / 190W	6710mA / 161W	8250mA / 198W	2640mA / 63W	-880S
		7920mA / 190W	6710mA / 161W	8250mA / 198W	2640mA / 63W	-940S
		11720mA / 281W	9115mA / 219W	13430mA / 322W	3035mA / 73W	-W00S

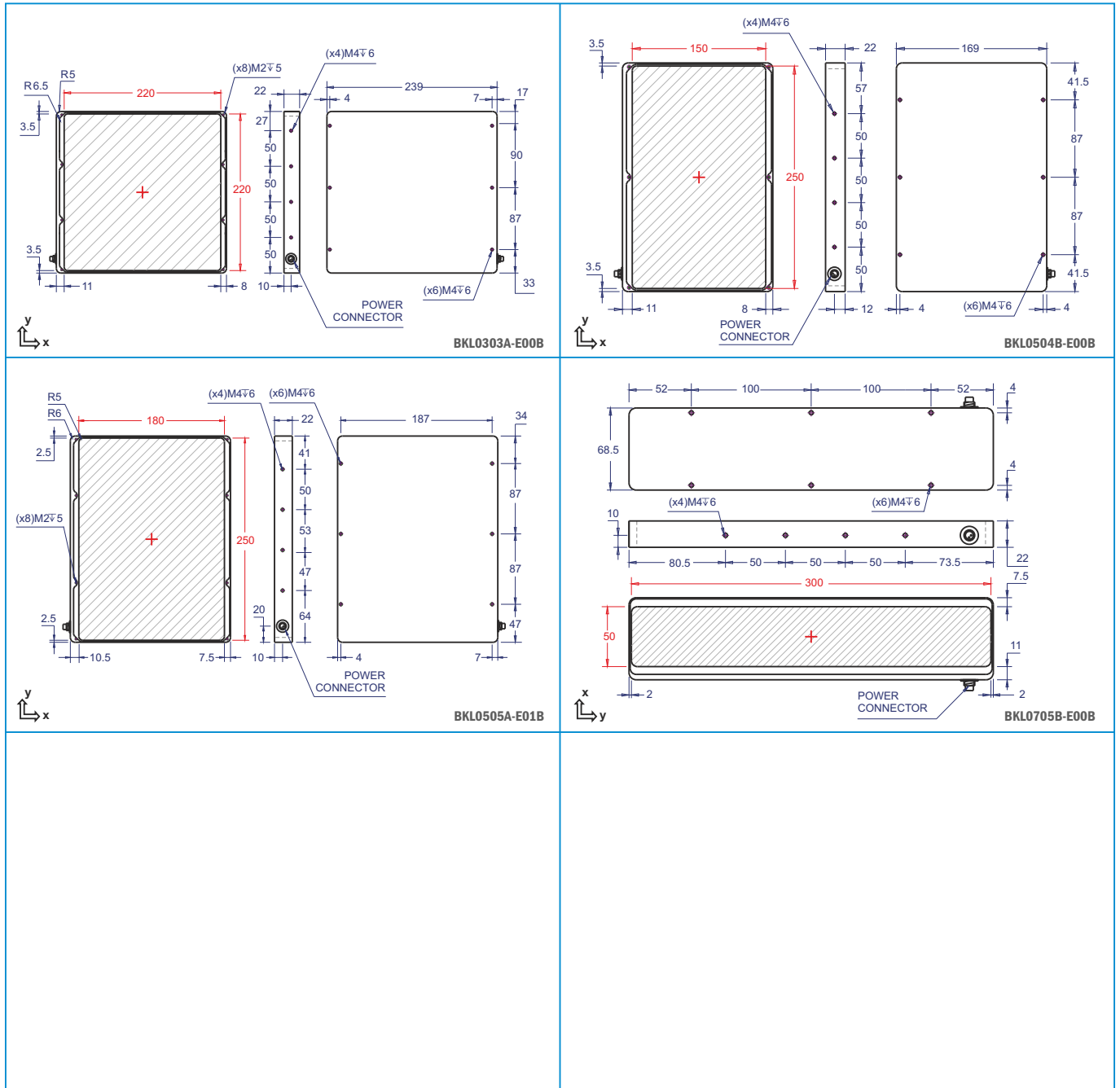
Take note that consumption table is for guidance. To refer to real values, consult product label when purchasing. | *ORDER REFERENCE = Lighting model + WT

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

