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iLight Hybrid Spot M2 Type

iCore High Brightness Spot Light

Ultra-High-Brightness Light Source
Brightness exceeding a 600W-class light source

About 100 Times Brighter
than Standard LEDs
100X

Compact Design and Structural Flexibility
Coaxial, ring guide, and fiber compatible

Best match for iPulse
Reliably use iPulse's overdrive function

Stable Output Over Extended Operation
featuring Output Feedback Control

High-speed, High-magnification Inspection
Providing clear, bright images

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iLight Hybrid Spot M2 Type

Specifications

Hybrid Spot M2 Lighting

Model	Color	Wavelength	Power	Controller
ILS-HWS4800W-S46-5	White	5500K	4800W	IP-HYBRID-M2
ILS-HWS4800W-S46-5W	White	5500K	4800W	
ILS-HWS4800W-S46-10	White	5500K	4800W	

Strobe Controller

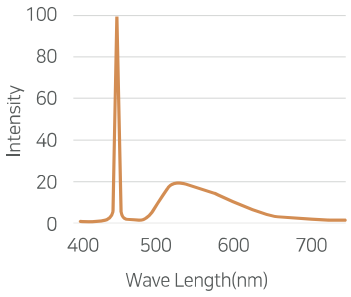
Model	Channel	Min. Pulse Width	Max. Frequency	Max. Output Power (Pulse)
IP-HYBRID-M2	1	0.25μs	300kHz	4800W

Lighting Cable

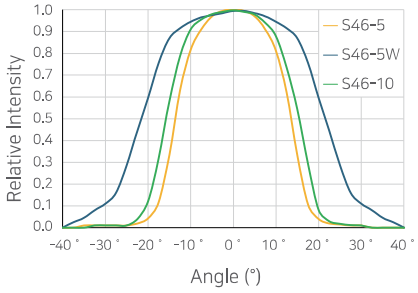
Model	Cable Length	Description
CA-H10-500-A1	500mm	Cable Ass'y M16 Cable 10Pin, UL 4C AWG 20 Shield
CA-H10-1000-A1	1,000mm	Cable Ass'y M16 Cable 10Pin, UL 4C AWG 20 Shield

Features

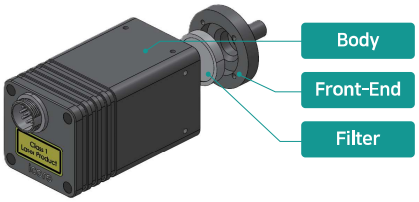
Spectrum



Angular Intensity Distribution



Filter-Slot-Structure

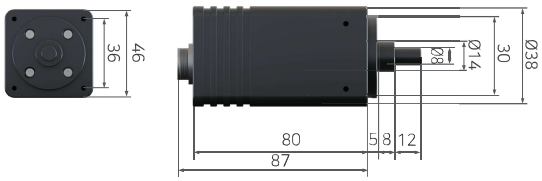


You can use a wide range of filters.



Dimensions (mm)

ILS-HWS4800W-S46-5/5W/10



IP-HYBRID-M2



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iLight

Hybrid Spot M1 Type

iCore High Brightness Spot Light

LED and Laser Combination
High Brightness Light Sorce

30 Times Brighter
than Standard LEDs

30X

Compact Design and Structural Flexibility
Coaxial, ring guide, and fiber compatible

Best match for iPulse
Reliably use iPulse's overdrive function

Stable Output Over Extended Operation
Good alternative to Xenon lamp

High-speed, High-magnification Inspection
Providing clear, bright images

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iLight Hybrid Spot M1 Type

Specifications

Hybrid Spot M1 Lighting

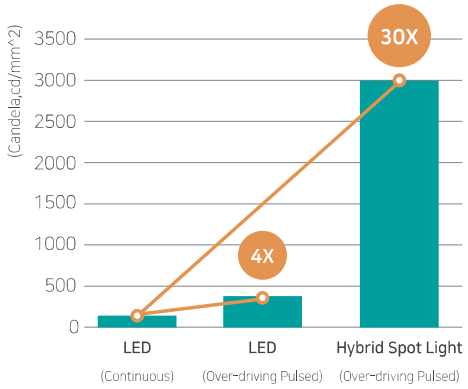
Model	Color	Wavelength / Kelvin	Power	Controller
ILS-HWS1600G-D46	Green	540nm	DC : 10W Pulse : 1600W	IP-HYBRID-M1
ILS-HWS1600W-D46	White	5500K	DC : 10W Pulse : 1600W	IP-HYBRID-M1

Strobe Controller

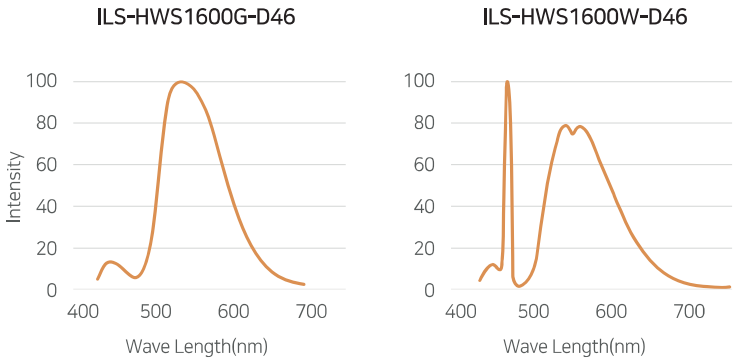
Model	Channel	Min. Pulse Width	Max. Frequency	Max. Output Power (Pulse)
IP-HYBRID-M1	1	0.25μs	300kHz	4800W

Benefits

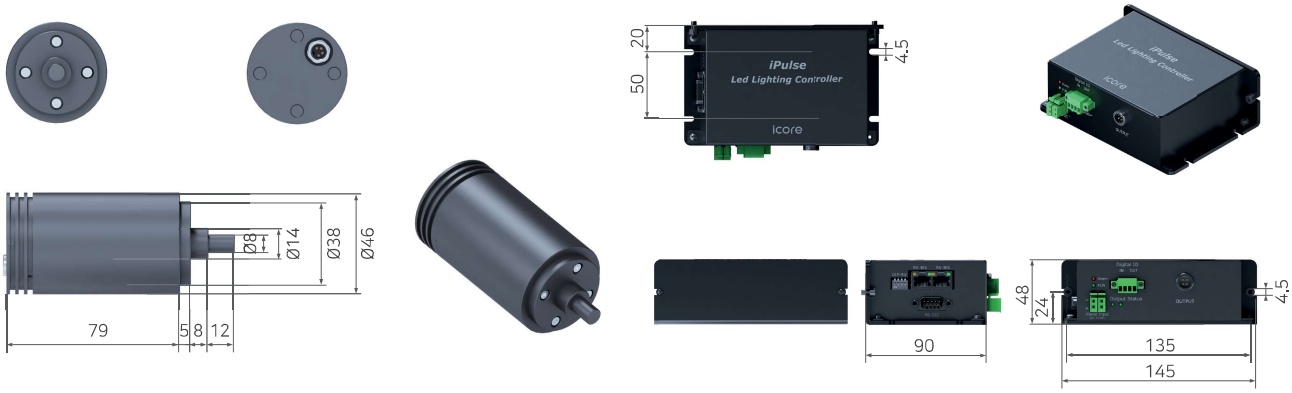
Hybrid Spot Light



Hybrid Spot Spectrum



Dimensions (mm)



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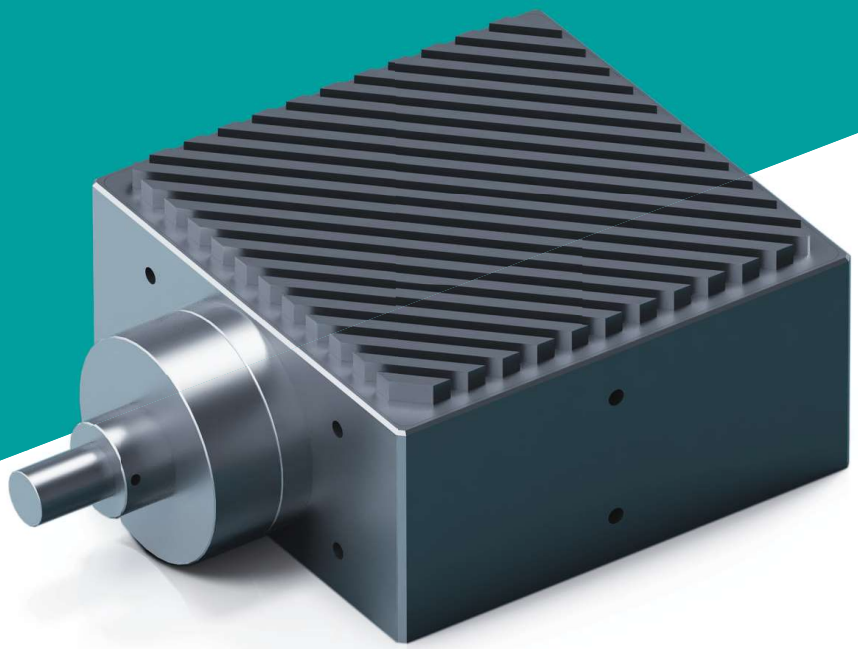
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ILS-RGB80A-COA



iLight

RGB Coaxial Spot Light

Independent RGB Control
Separate R/G/B channels

Compact Design
Optimized for iPulse integration

Various Color Output
Individual or combined RGB operation

Dichroic Mirror Optics
Maintains optical alignment

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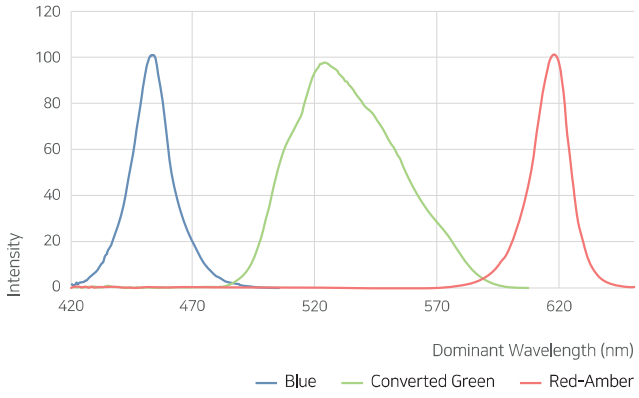
iLight RGB Coaxial Spot Light

Specifications

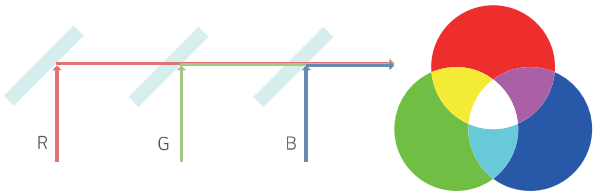
Model	Color	Wavelength	Current	Power	Controller
ILS-RGB80A-COA	Red	613nm	4A	20W	IP-4P4S-3C IP-4P4S-50A
	Green	555nm	5A	30W	
	Blue	455nm	5A	30W	

Benefit

RGB Spot Spectrum

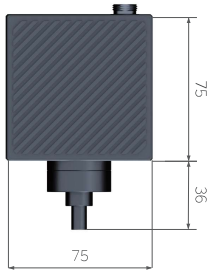


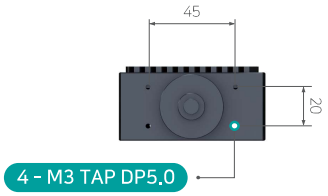
Dichroic Mirror Design

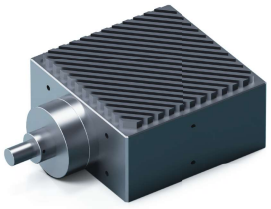


Independent control by channel
for diverse color output

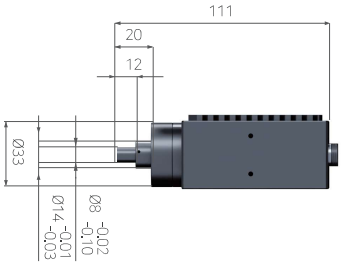
Dimensions (mm)

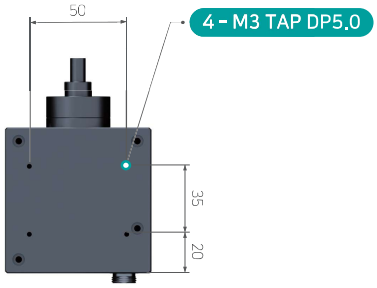












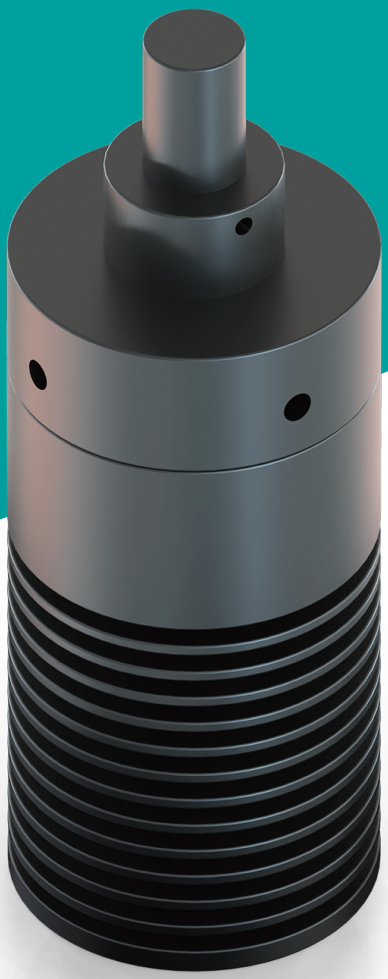
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iLight

High-Brightness Spot Light (29mm)

Features

- Light source for coaxial illuminating
- Light source for high magnification
- Light source for spot illuminating
- Light source for telecentric & objective lens
- Saving space and energy
- Best match for iPulse

iLight High-Brightness Spot Light

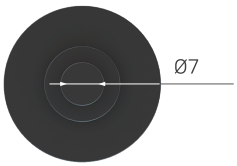
Specifications

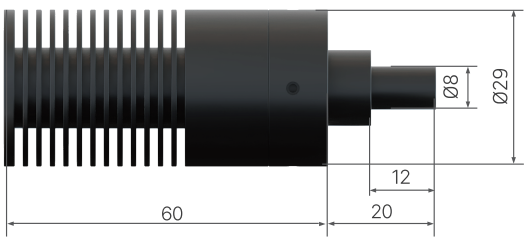
Model	Color	Wavelength / Kelvin	Power	Current	Controller
ILS-R5A-D29	Red	620nm	5W	2.5A	IP-1P1S-20A IP-1P1S-50A
ILS-R10A-D29		620nm	10W	4A	
ILS-G10A-D29	Green	520nm	10W	3A	
ILS-G20A-D29		520nm	20W	5A	
ILS-B10A-D29	Blue	460nm	10W	3A	
ILS-B20A-D29		460nm	20W	5A	
ILS-W20A-D29	White	6500K	20W	5A	
ILS-UV5A-D29	UV	405nm	5W	1.5A	IP-1P1S-20A

Dimensions (mm)









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iLight

Projection Light (45mm)

Features

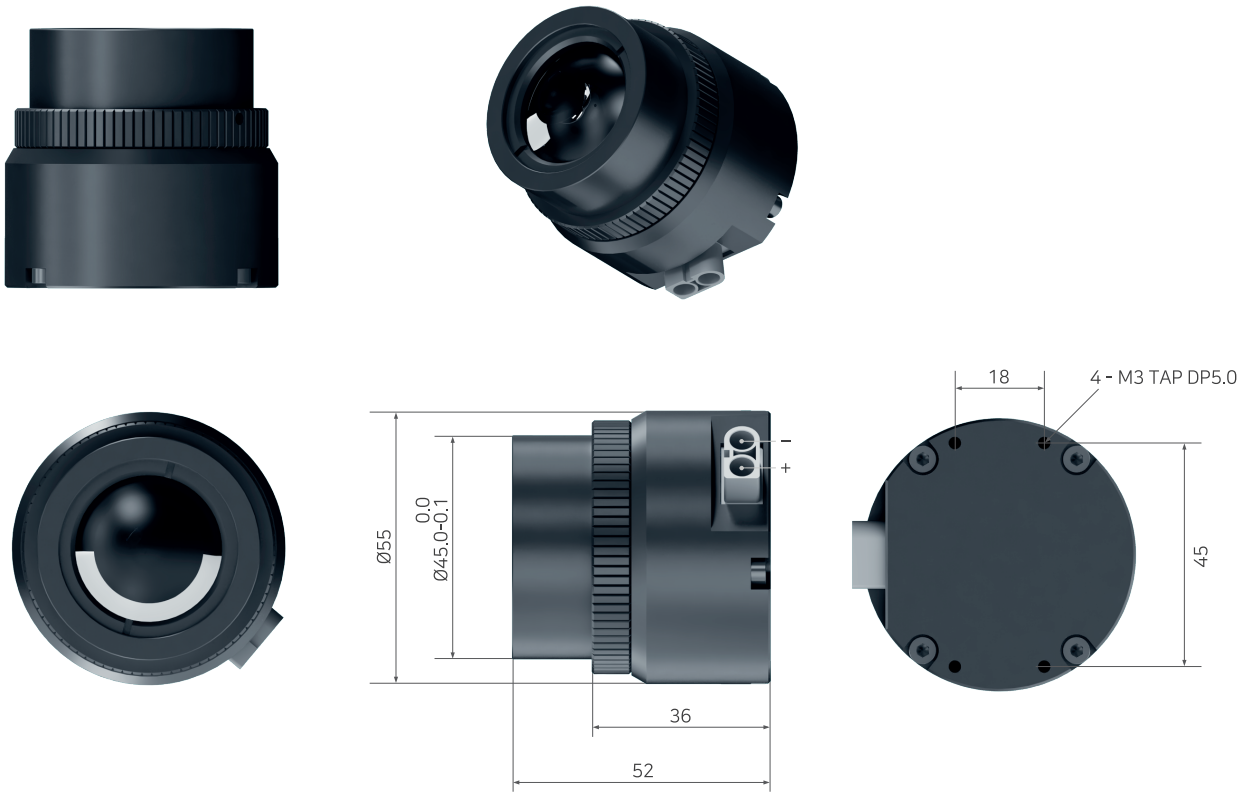
- Uniform-output spotlight
- Light source for high magnification
- Light source for spot illuminating
- Best match for iPulse

iLight Projection Light (45mm)

Specifications

Model	Color	Wavelength	Focal Length(mm)	Power	Controller
ILS-R90A-D45	Red	620nm	50/∞	DC : 90W	IP-1P1S-200A IP-2P2S-200A
ILS-G90A-D45	Green	520nm	50/∞	DC : 90W	
ILS-B90A-D45	Blue	460nm	50/∞	DC : 90W	
ILS-W90A-D45	White	6500K	50/∞	DC : 90W	

Mechanical Dimensions



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