

UNIFIED GLARE RATING (UGR) OF ELR MODULAR PRO SELECTION FIXTURES WITH RESPECTIVE LED MODULES OR LED ENGINES



		UGR at Beam Angles of Respective LED Modules / LED Engines													
Fixture Category	Fixture Series	20C, 20P 20CLE, 20PLE			COIN, 35N, 50N, 50C, 50P 50CLO, 50CLE, 50PLE				100C, 100P 100CLO, 100CLE, 100PLE				300P, 500P, 700P 300PLE, 500PLE		
		Glare Indices based on 810lm Total Luminous Flux			Glare Indices based on 1500lm Total Luminous Flux				Glare Indices based on 3000lm Total Luminous Flux				Glare Indices based on 8000lm Total Luminous Flux		
		15°	25°	40°	10°	20°	35°	60°	12°	20°	35°	60°	15°	35°	60°
Reduced Glare Downlight Luminaire	Vasari 3 Pro	N/A	N/A	N/A	<19	<15	<15	<15	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Vasari 3	N/A	N/A	N/A	<19	<15	<15	<15	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Vasari 4	N/A	N/A	N/A	<19	<15	<15	<15	<19	<15	<15	<15	N/A	N/A	N/A
	Vasari 6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<19	<10	<10	<15	<10	<15	<15
	Veco 2	<19	<19	<19	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Veco 3	N/A	N/A	N/A	<19	<15	<15	<15	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Veco 4	N/A	N/A	N/A	<19	<15	<15	<15	<19	<15	<15	<15	N/A	N/A	N/A
	Antares 3	N/A	N/A	N/A	<19	<15	<15	<15	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Pavo 3	N/A	N/A	N/A	<19	<15	<15	<15	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pinhole Downlight Luminaire	Alti 3	N/A	N/A	N/A	<19	<10	<15	<15	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Castor 2	<15	<15	<15	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Castor 3 Mini	N/A	N/A	N/A	<19	<10	<15	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Castor 4 Mini	N/A	N/A	N/A	<19	<10	<10	N/A	<19	<10	<10	N/A	N/A	N/A	N/A
	Eclipse 2	<15	<15	<15	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Eclipse 3 Pro	N/A	N/A	N/A	<19	<10	<15	<15	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Eclipse 3	N/A	N/A	N/A	<19	<10	<15	<15	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Eclipse 4	N/A	N/A	N/A	<19	<10	<10	<10	<19	<10	<10	<10	N/A	N/A	N/A
	Eclio 3	N/A	N/A	N/A	<19	<10	<15	<15	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Orion 2	<15	<15	<15	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Snoot Downlight Luminaire	Artis 3	N/A	N/A	N/A	<19	<10	<15	<15	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Artis 4	N/A	N/A	N/A	<19	<10	<10	<10	<19	<10	<10	<10	N/A	N/A	N/A
	Piazzo 3	N/A	N/A	N/A	<19	<10	<15	<15	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Piazzo 4	N/A	N/A	N/A	<19	<10	<10	<10	<19	<10	<10	<10	N/A	N/A	N/A
Track Mount Luminaire	Snoop 3 Track	N/A	N/A	N/A	<19	<15	<15	<15	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Snoop 4 Track	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<19	<15	<15	<15	N/A	N/A	N/A
	Scope 3 Track	N/A	N/A	N/A	<19	<15	<15	<15	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Scorpius 3 Track	N/A	N/A	N/A	<19	<15	<15	<15	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Single Point Mount Luminaire	Snoop 2 Single Point	<19	<19	<19	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Snoop 3 Single Point	N/A	N/A	N/A	<19	<15	<15	<15	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Snoop 4 Single Point	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<19	<15	<15	<15	N/A	N/A	N/A
	Scope 3 Single Point	N/A	N/A	N/A	<19	<15	<15	<15	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Surface Mount Luminaire	Snoop 2 Surface	<19	<19	<19	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Snoop 3 Surface	N/A	N/A	N/A	<19	<15	<15	<15	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Snoop 4 Surface	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<19	<15	<15	<15	N/A	N/A	N/A
	Veco 3 Surface	N/A	N/A	N/A	<19	<15	<15	<15	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Artis 3 Surface	N/A	N/A	N/A	<19	<10	<15	<15	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Artis 4 Surface	N/A	N/A	N/A	<19	<10	<10	<10	<19	<10	<10	<10	N/A	N/A	N/A
Wall Mount Luminaire	Snoop 2 Wall Mount	<19	<19	<19	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Snoop 3 Wall Mount	N/A	N/A	N/A	<19	<15	<15	<15	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pendant Mount Luminaire	Snoop 3 Pendant	N/A	N/A	N/A	<19	<15	<15	<15	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Snoop 4 Pendant	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<19	<15	<15	<15	N/A	N/A	N/A
High Bay Luminaire	Nova 6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<10	<15	<15
Outdoor Surface Mount Luminaire	Snoop 3 Surface	N/A	N/A	N/A	<19	<15	<15	<15	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Snoop 4 Surface	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<19	<15	<15	<15	N/A	N/A	N/A
	Nebula 2 Surface	<15	<15	<15	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Nebula 3 Surface	N/A	N/A	N/A	<19	<10	<15	<15	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Nebula 4 Surface	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<19	<10	<10	<10	N/A	N/A	N/A
Outdoor Wall Mount Luminaire	Snoop 3 Wall Mount	N/A	N/A	N/A	<19	<15	<15	<15	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Nebula 2 Wal Mount	<15	<15	<15	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Nebula 3 Wall Mount	N/A	N/A	N/A	<19	<10	<15	<15	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Nebula 4 Wall Mount	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<19	<10	<10	<10	N/A	N/A	N/A
Outdoor Canopy Luminaire	Snoop 3 Canopy	N/A	N/A	N/A	<19	<15	<15	<15	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Snoop 4 Canopy	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<19	<15	<15	<15	N/A	N/A	N/A
	Nebula 2 Canopy	<15	<15	<15	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Nebula 3 Canopy	N/A	N/A	N/A	<19	<10	<15	<15	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Nebula 4 Canopy	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<19	<10	<10	<10	N/A	N/A	N/A
Outdoor Tree Spike Luminaire	Snoop 3 Tree Spike	N/A	N/A	N/A	<19	<15	<15	<15	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Snoop 4 Tree Spike	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<19	<15	<15	<15	N/A	N/A	N/A
	Nebula 2 Tree Spike	<15	<15	<15	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Nebula 3 Tree Spike	N/A	N/A	N/A	<19	<10	<15	<15	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Nebula 4 Tree Spike	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<19	<10	<10	<10	N/A	N/A	N/A
Outdoor In Ground Luminaire	Nebula 2 In Ground	<15	<15	<15	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Nebula 3 In Ground	N/A	N/A	N/A	<19	<10	<15	<15	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*The above values are based on conditions:

- Ceiling Reflection Factor = 70%
- Walls Reflection Factor = 50%
- Floor Reflection Factor = 20%
- Room Size: X = 4H, Y = 8H
- Spacing-to-Height-Ratio = 1.00

UNIFIED GLARE RATING (UGR) OF ELR SPECIAL CRAFT SELECTION LUMINAIRES



Luminaire Category	Luminaire Series	LED Power (W)	Total Luminous Flux that Glare Indices is based on (lm)	UGR at Respective Beam Angles				
				13°	29°	41°	60°	16°x36°
Linear Downlight Luminaire	Lynx 2	4	410	<10	<10	<10	<10	<10
	Lynx 4	8	820	<10	<10	<10	<10	<10
	Lynx 8	16	1625	<10	<10	<10	<10	<10
	Lynx 12	24	2400	<10	<10	<10	<10	<10

Luminaire Category	Luminaire Series	LED Power (W)	Total Luminous Flux that Glare Indices is based on (lm)	UGR at Respective Beam Angles			
				15°	24°	33°	13°x45°
Linear Downlight Luminaire	Xlyk 3	6	459	<10	<10	<10	<10
	Xlyk 5	10	766	<10	<10	<10	<10
	Xlyk 10	20	1531	<10	<10	<10	<10

*The above values are based on conditions:

- Ceiling Reflection Factor = 70%
- Walls Reflection Factor = 50%
- Floor Reflection Factor = 20%
- Room Size: X = 4H, Y = 8H
- Spacing-to-Height-Ratio = 1.00